

AN-NAJAH NATIONAL UNIVERSITY



FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY
Computer Engineering Department

Software Graduation Project

HR management system

Group members: Aida Bustami, Aseel Bustami

Supervisor: Dr.Raed Qadi

Presented in partial fulfillment of the requirements for Bachelor degree in
computer engineering

August, 2022

Contents

Abstract:.....	7
Chapter 2: Constraints, Standards/Codes and earlier course work.....	9
Constrains	9
Chapter 3: Literature Review	10
Chapter 4 : System Features and Implementation.....	12
Chapter 5:Conclusion and Future work	91
Conclusion	91
Future Work:	91

List of Figures

Figure 1:Standersds	10
Figure 2 Freshteam	12
Figure 3: Factorial	13
Figure 4: Log in page	14
Figure 5 Forgot password	15
Figure 6: email New password	15
Figure 7: Home screen overview	17
Figure 8:Dark mode	18
Figure 9:Notifications	18
Figure 10:Review Uploaded file for time off request from manager	19
Figure 11:Review time off request from employee	20
Figure 12:Accepted for interview	21
Figure 13:Employee Schedule	21
Figure 14:Room Schedule	22
Figure 15:Schedule interview	22
Figure 16:Interview is added to room reservation	23
Figure 17:Interview is added to the employee's calendar	23
Figure 18: Accepted third interview	24
Figure 19:Rejected after second interview	24
Figure 20:Online Users	26
Figure 21:Real time chat	27
Figure 22:Out the office	28
Figure 23:Show upcoming events and Holidays	28
Figure 24:Add new Administrator	30
Figure 25:Export PDF and excel file	30
Figure 26:Edit information	31
Figure 27>Delete Adminstartor	31
Figure 28:Search teachniques	32
Figure 29:Clock history and location	33
Figure 30:Edit and delete records	33
Figure 31:Track location	34
Figure 32>Delete employee	35
Figure 33:Add employee	39
Figure 34:View profile employee	42
Figure 35:Reset password	42
Figure 36:Measurment for strength of password	42
Figure 37:Add team	43
Figure 38:View team members	44

Figure 39: Delete Event..... 45

Figure 40:More Details Event 45

Figure 41:Add event (1) 46

Figure 42:Recurrence rule..... 48

Figure 43:Add event (2) 50

Figure 44:send invitation email..... 51

Figure 45:add to calendar..... 52

Figure 46:Search event..... 53

Figure 47:company's policy Time off 53

Figure 48:Company'policy holiday..... 54

Figure 49:Company's policy bill types 54

Figure 50:company's policy branches/offices 55

Figure 51:Add income bill 57

Figure 52:Mnager's email..... 58

Figure 53:Salaries payments 59

Figure 54:Expense payments for each office 59

Figure 55:Income payments 60

Figure 56:Expense tracker..... 61

Figure 57:Post new job..... 63

Figure 58:sign up applicant 64

Figure 59:applicant sign in 64

Figure 60:Applicant home page 64

Figure 61:Applicant upload CV 65

Figure 62:Applied jobs history 67

Figure 63:Mark as finished job 69

Figure 64:Reopen job 70

Figure 65:login and reset password 70

Figure 66:Home page 71

Figure 67:Out the office Figure 68: Drawer navigator 71

Figure 69:Profile 72

Figure 70 :Clock history and clock history chart for each employee..... 72

Figure 71:Work hours shifts and location tracking 73

Figure 72:Time off requests history and search bar 73

Figure 73:Details of time off request 74

Figure 74:Notifications..... 74

Figure 75:review time off request and accept it 75

Figure 76:Attached files to time off request..... 75

Figure 77: Calendar/add/delete/update and send invitation..... 76

Figure 78:Send invitation and receive 77

Figure 79:Accept invitation and add to calendar 77

Figure 80:Post new job..... 78

Figure 81:teams add/delete	78
Figure 82:Employees and search bar	79
Figure 83:Employee Profile	80
Figure 84: Add new Expense/delete bill	80
Figure 85:Date range picker and search	81
Figure 86:Income history/add income bill/delete bill	81
Figure 87:Salaries payments and search by date	82
Figure 88:Manage Net Income	82
Figure 89:Chat List and conversation	83
Figure 90:Home screen/clock in and save location	84
Figure 91:Reset password.....	84
Figure 92:Drawer navigator	85
Figure 93:Notifications/send time off request.....	85
Figure 94:Clock history/shifts management/Location.....	86
Figure 95:Send request off.....	86
Figure 96:Time off history request	87
Figure 97:Details of request/edit the request by uploading a file	87
Figure 98:Recruitment/responsible jobs details and applicants	88
Figure 99:Evaluation of manager for the applicant.....	88
Figure 100:ADD/update/delete event.....	89
Figure 101:team	89
Figure 102 : Employee drawer navigator / team page.....	90

Abstract:

We want to design a system for Human Resources which will simplify their job and make it much easier by creating mobile app and website that implements the following functions:

***Efficient time tracking**: The HR can track each employee total work hours, the time clocked in and clocked out.

***Track the location**: The HR can know the location of each employee while clocked in.

*Know who **is out the office** easily: The HR can see all the employees that are in vacation, sick leave, parental leave, work from home on the calendar view

***Reply to the pending requests** (time off/out of office/work from home) from employees: The HR can accept or deny the request based on the company's policy like the max. number of time off days allowed.

***Scheduling events** on the calendar and notify the employees by sending invitation to join event

*Show the **upcoming events and holidays**.

***live chat and Notifications**: The HR can send message to any employee directly

***Have access to all the employees**: each employee has a profile contains work information, personal information, contract and documents like health insurance.

***Have a profile for each team** in the company which has the team leader, manager and the employees.

***Recruitment**: posting new jobs and notify the responsible manager of the job. Tracking the status of the posted jobs and the status of applicants for each job.

***Company's policy**: The HR can modify the system like editing the allowed number of time off days, The bills types, the Holiday days and the branches of the company.

***Expenses**: The HR can track the expenses for each month, see the new hired employees, track the employees who have increase in salary and use charts to show statistics.

Chapter 1: Introduction

Working as HR requires you to get involved in many different tasks and responsibilities like Monitoring performance and productivity levels to ensure that the business is operating efficiently and hitting output goals ,also identifying problems areas and taking necessary actions to turn things around. This can sometimes be overwhelming for smaller teams or companies with limited resources.

HR handle the management of employees, teams, events, holidays, expenses, recruitment, attendance, work hours and location so to make tracking of all these tasks easier we provide a mobile app for both the employee and the HR and website that can create a direct communication channel between the employee and the HR, so the HR can monitor the organization in an efficient way.



Chapter 2: Constraints, Standards/Codes and earlier course work

Constrains

Limited resources React and React Native documentation includes only the basis, which required doing more search to achieve what we aim to. Also, it is required to know about Android Studio, JSX, and additional libraries. Moreover, using MongoDB and Firebase needed search and effort to do our best.

GOOGLE API KEY: We want to track the location of each employee while clocked in so we used expo-location and react-native-maps libraries in mobile app and react-leaflet in react website because not having the key we could not in the website translating the coordinates to address we could do that in react native because it depends only on react-native-maps

Standards/Codes

1-Database Back-end

we used Node.js it is a server side open-source platform built on Google Chrome's JavaScript Engine (V8 Engine), it is a suitable language to connect the back-end because It offered scalability and parallel code execution. It introduced a new logic and approach for JavaScript server-side development. It is also light and fast. We used MongoDB as a document database, it makes it easy to store structured or unstructured data. It uses a JSON-like format to store documents which directly maps to native objects in most modern programming language. MongoDB can also handle data of all sorts in a scalable way. We built our chat with Monogdb and socket.io to have real time chat and get the online users list.

2-Mobile Application and Website

We decided to use React and React Native libraries to build the front-end of our project due to many reasons: for React, it supports front-end web for building user interfaces and web applications. It follows the concept of reusable components. for React Native, it allows us to use ReactJS to build reusable components and communicate with native components. React

and React Native built by JavaScript language which has strong supports for many libraries and tools, it is an object-oriented programming language that supports the interface, classes, abstraction, inheritance, and many other features. Another advantage of using React and React Native in our application is that they provide us with smooth learning curve for basics according to its well-written documentation.

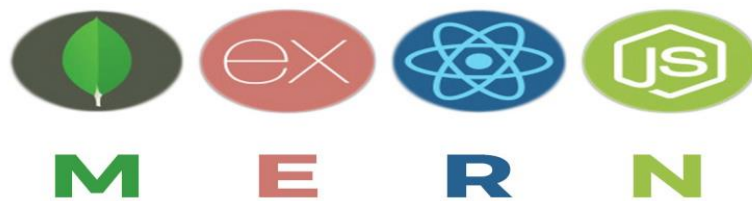


Figure 1:Standards

3-Earlier work

The courses were taken during our study in the Computer Engineering Department taught us many basics and ideas that helped us develop this app, such as Object Oriented Programming, Web Programming, Algorithms and Complexity and Critical thinking and research, we took online courses about React, React Native, Node.js, MongoDB and Firebase which facilitate the process of implementing and developing our project then report it.

Chapter 3: Literature Review

Developing HR management system is really a challenge. As a result of that many projects tried to find a solution for this problem.

This section will represent some case studies and similar ideas that is related to the same main idea .For each previous case study, the section will include how those previous case studies handled and solved the problem.

* Case Study 1:

monday.com - all-in-one HR software

monday.com is an open platform that makes it easier for HR managers to build custom solutions for their team's needs. Thus, this ultimate software has been praised by many human resources managers for its **clean UI**, **simple system**, and **engaging core HR functions**.

Employee development				
New Hires				
	Position	Person	Evaluation	Check-in
Penny Proud	#Full stack engineer		Follow up	Sep 11
Johanna Elliott	#Product designer		Scheduled	Jan 19
Anna Catmire	#Product consultant		Stuck	Dec 16

Existing employees				
	Position	Person	Evaluation	Check-in
Maayan Wexer Dagan	#Copywriter		Complete	Feb 16
Erica Weissman	#Product consultant		Complete	Feb 11
Julia Feldman	#Copywriter		Stuck	Feb 12
Eddie Mitchell	#Motion Designer		Complete	Sep 22

Figure 2:Employee Monday

In terms of features, this HR management software meets all the necessary ones, including:

- *Employee onboarding,
- *360-degree feedback with features,
- *Performance management, payroll management, and workforce management,
- *Self-service portal,
- *Applicant tracking,
- *Data visualization with a lot of charts to choose from,
- *Benefits, time off, compensation, and recruitment management,

*Employee scheduling throughout the entire employee lifecycle,

*Integrations with several payroll software, which enable you to perform a payroll run automation.

Case Study 2:

Freshteam by Freshworks – Competent HR Software Solution

Freshteam acts as a smart all-in-one software for HR teams.

With Freshteam, you get to make sure your HR efforts are up to date with the 2022 standards, from hiring to onboarding, time tracking, employee data, and day-to-day workflows of the HR team.

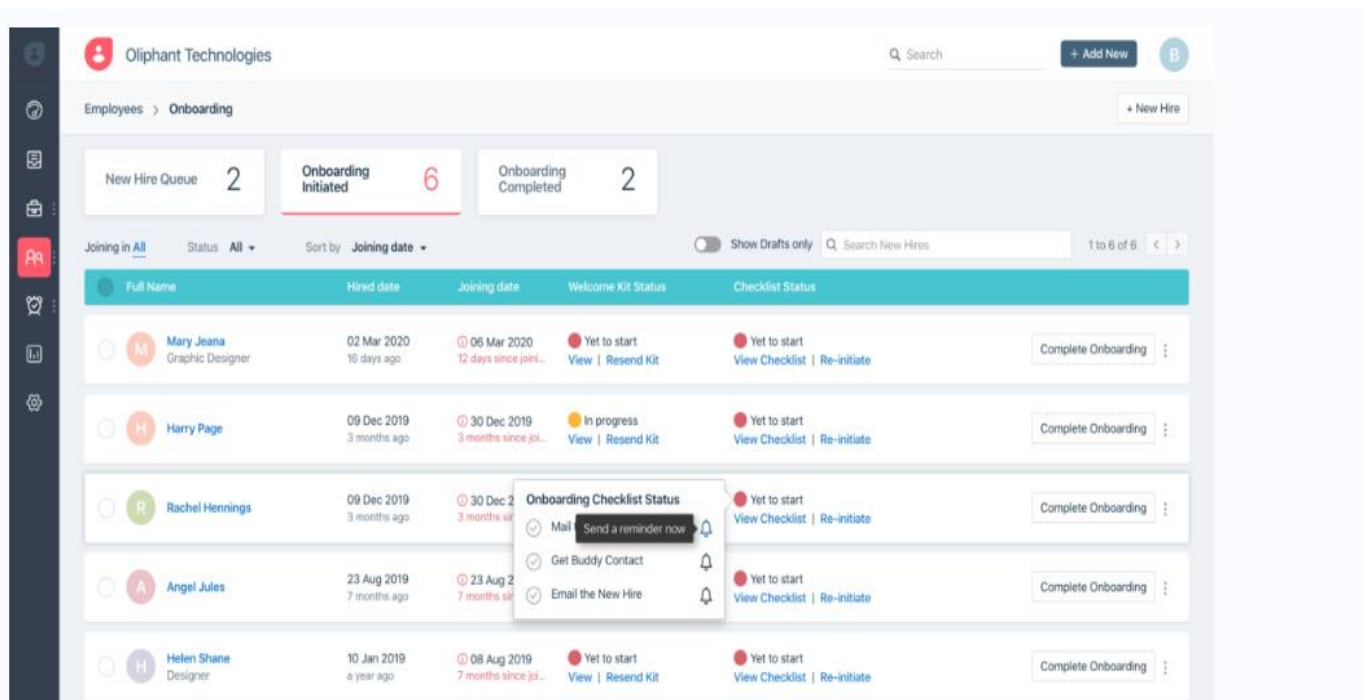


Figure 2 Freshteam

Case study 3:

Retable – Best for Boosting Employee Performance

Retable is a data management platform that saves not only HR teams but also all departments from inefficient workloads. It allows you to **manage** both your **internal and external HR processes** as a team from a single platform, with HR-specific spreadsheet templates.

With smart and easy-to-use spreadsheets and customizable forms integrated into the spreadsheets, Retable makes your data management and HR processes organized and systematic, which saves you from boring and complex spreadsheets.

Case study 4:

Factorial HR

Factorail is an HR software designed for employee scheduling and time tracking. It comes with a self-service portal and payroll management.

With Factorial, employees can easily track time from any location in real time. Employees can time-track on smartphones and tablets as well as desktops since it offers HR application software as well.

Factorial allows employees to clock themselves in. The self-service feature is one of the must-have features for almost any HR management software

The image shows the Factorial HR software interface. At the top, there is a navigation bar with the Factorial logo on the left and menu items: Product, Solutions, Resources, and Pricing. On the right side of the navigation bar, there is a user profile icon labeled 'L'. Below the navigation bar, the main content area is divided into three columns of features:

- Time management**
 - Time off**: Manage time off requests from employees.
 - Time tracking**: Track each employee's workday and increase productivity.
 - Shift Management**: Set workschedules for employees.
- Talent management**
 - Employee Performance**: Track employee development to make better decisions.
 - Talent Acquisition**: Find and recruit top talent for your company.
 - Onboarding / Offboarding**: Organize onboardings and offboardings for employees.
 - Training Management**: Track your employees' training.
 - Goals & OKR Tracking**: Track employees' goals daily.
- Legal & Finance**
 - Payroll Management**: We help you centralize and automate your payroll, from start to finish.
 - Expenses**: Manage employee and company expenses.
 - Electronic Signature**: Sign legal documents online.

Figure 3: Factorial

Chapter 4: Methodology

As mentioned before, we used React and React Native library. We installed dependencies like Node.js, express, mongoose, expo go app, and android studio for windows operating system, we used socket.io to have real time chat.

We used firebase real time database to build real time notification system, also we used the firebase storage because it can store large files in fast and simple way .We used react Syncfusion library it has reusable UI components very responsive but there was no clear documentation about how to use these components with Mongodb and Node.js, but we could manage this by trying to understand the basics from the documentation provided to have clear image about the solution.

After finishing the react website we moved to develop the react native app using expo go app and android studio because react-native uses also JavaScript and it has similarity with react. We used a lot of expo libraries like expo-document-picker, expo-location ,expo-image-picker,... we used react-native-maps to show the location on the map and track the location of the employee while clocked and store the locations as array in mongodb but in August,2022 they have done changes to expo go app to release 46 SDK so react-native-maps stopped working for some reason, the expo go team suggested a solution by using expo-dev-client and eas build and install some dependencies then it worked correctly.

Chapter 4: System Features and Implementation

4.1.1 Human Resources Website:

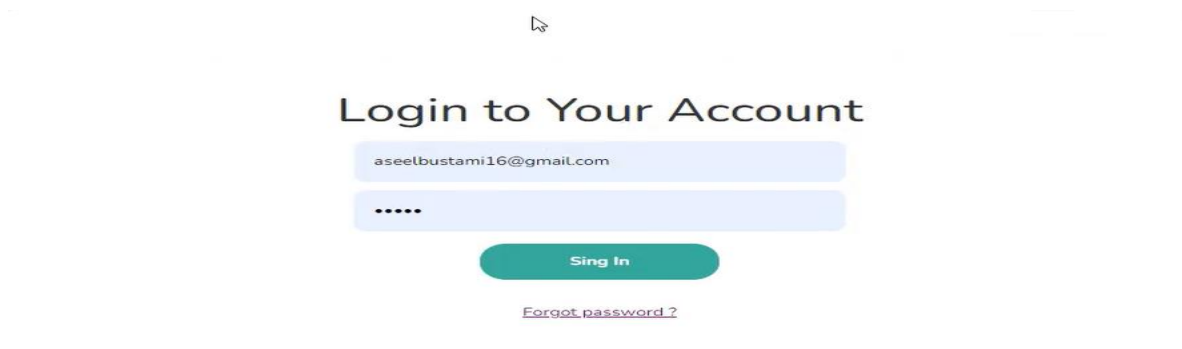


Figure 4: Log in page

Login to Your Account

Email

SEND NEW PASSWORD

CANCEL

[Forgot password ?](#)

Figure 5 Forgot password

When you write your email a new password will be sent in email

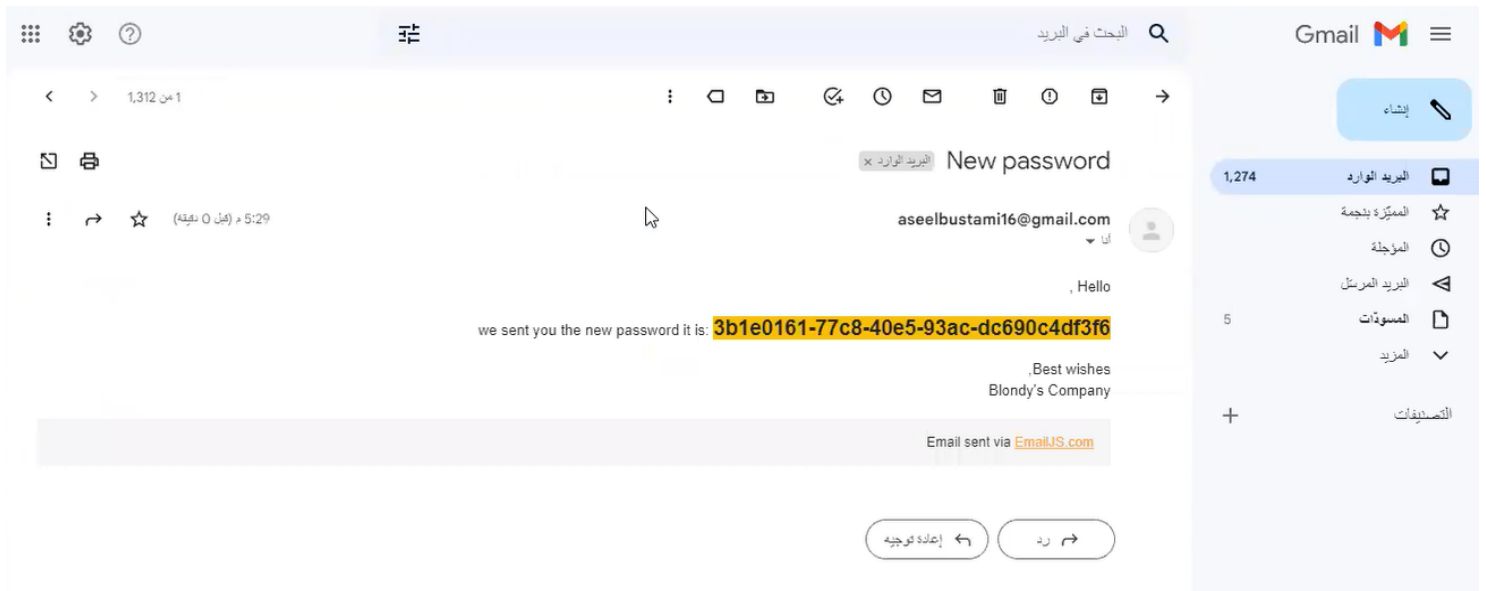


Figure 6: email New password

- You
- Dashboard
- Administrators
- Reset My password
- Your company
- Time tracking
- Out the office
- Employee Schedule
- Employee
- Team
- schedule events
- Company's policy
- Expenses
- Recruitment
- Posted Jobs
- communication
- chat

Clocked in

0

more details →

Work from Home

1

more details →

Out of office

1

more details →

Upcoming events

Subject : test event
Date : 2022-08-25
[more details](#)



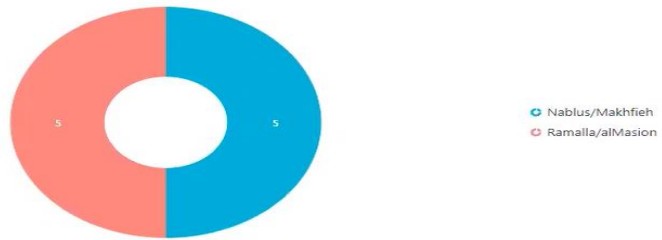
Upcoming Holidays

Subject : Christmas Day
Date : 2022-12-24
[more details](#)

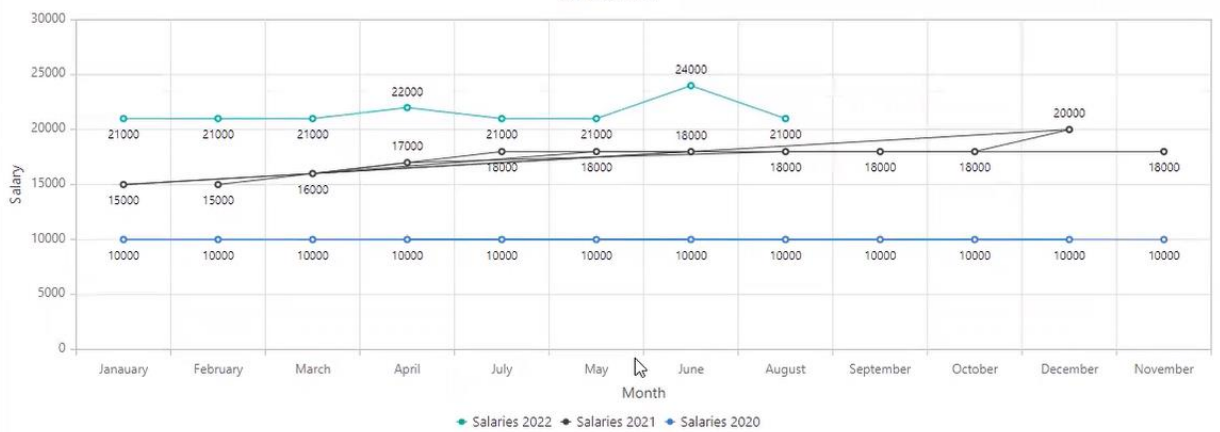
Subject : Christmas Eve
Date : 2022-12-25
[more details](#)



Disribution of employees between branches



Salaries chart



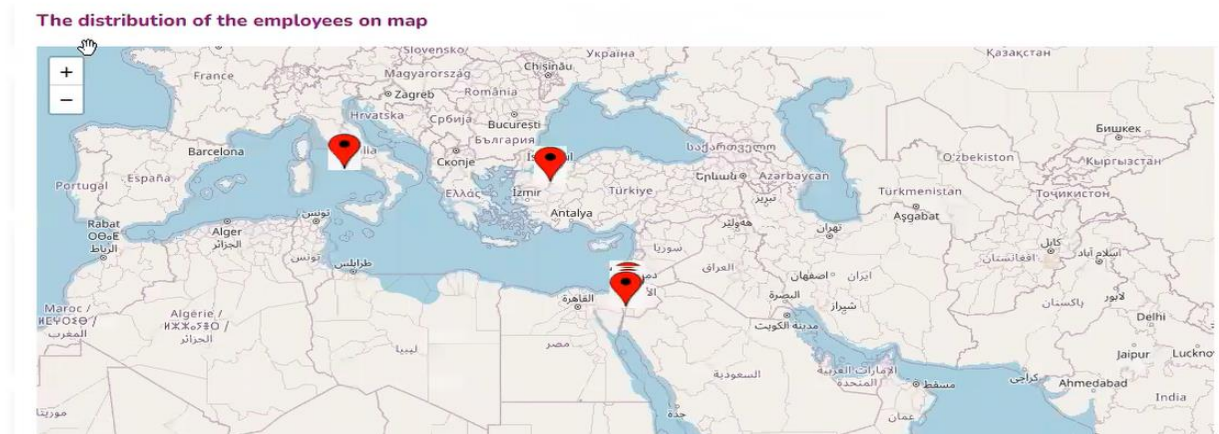
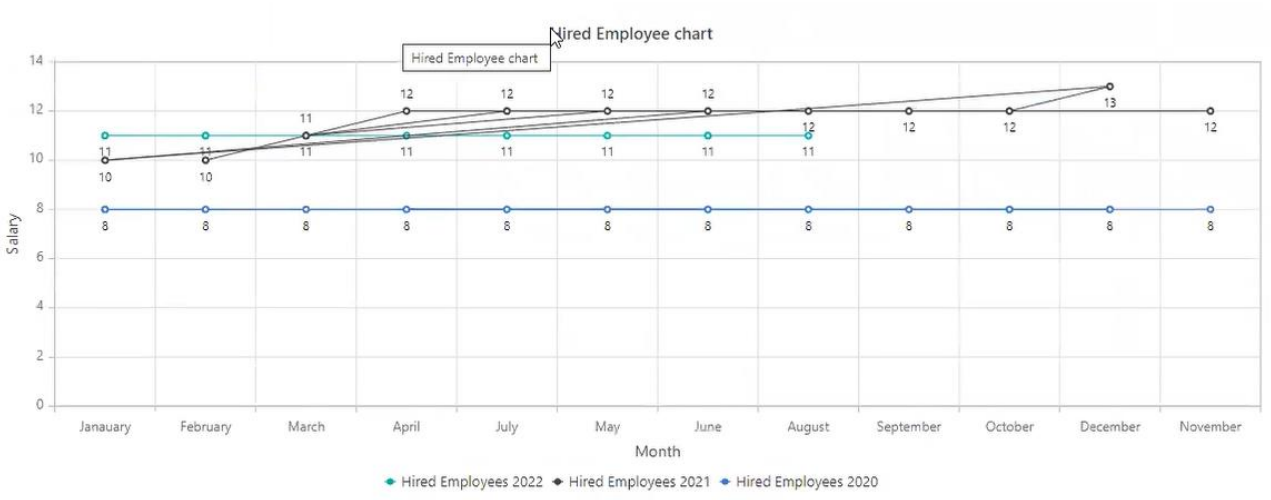


Figure 7: Home screen overview

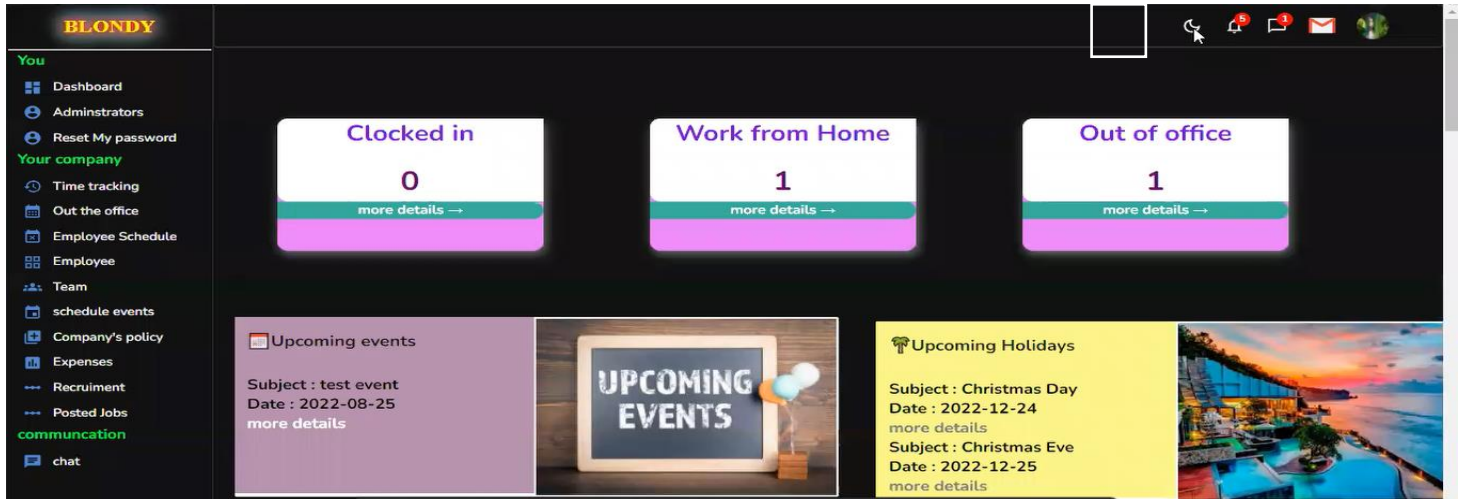


Figure 8:Dark mode

Notification real time system using firebase real time database

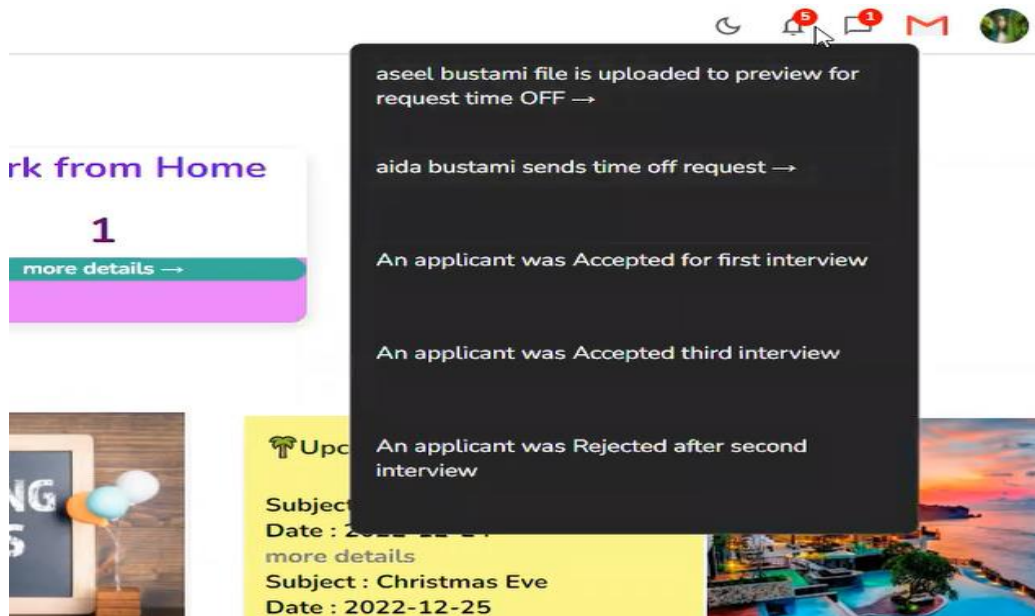
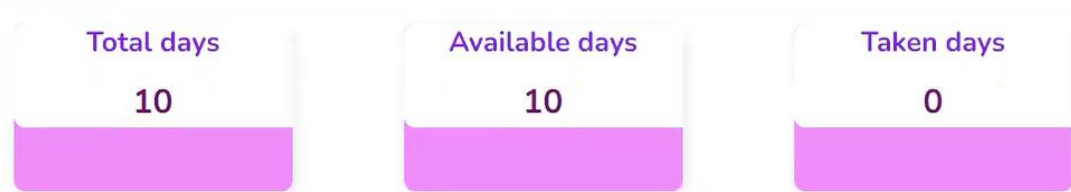


Figure 9:Notifications

The first notification came from manager asked for time off request:

aseel bustami time off history:



it shows the available days of sick leave request type, because the manager asked for sick leave type

Review time off request (2022-08-23)

Employees will be notified of any approvals or rejections to their time off request

Type: Sick leave

Description: ffffff

Starting date: 29/08/22

Ending date: 31/08/22

Attached files:
Creative_Manager_Resume.pdf

ACCEPT

REJECT

Figure 10: Review Uploaded file for time off request from manager

If the manager sends time off request he might have the need to upload file like medical report ...

HR can review the request then accept or reject

The second notification came from employee asked for time off request, so this request is delivered to HR and the manager of the employee both of them will respond to the request , the HR can know the response of the manager to this request:

aida bustami time off history:



Review time off request (2022-08-23)

🔔 Employees will be notified of any approvals or rejections to their time off request

Manager Response : accepted

Type:

Description:

Starting date:

Ending date:

aida bustami 2022-09-08-----2022-09-16

Figure 11:Review time off request from employee

HR receive email in case the applicant for job is accepted or rejected based on remaining days and the other team members status. For example here the applicant is accepted for first interview so HR must schedule interview.

Interviews scheduling

Responsible Manager aseel_bustami@yahoo.com/aseel bustami
Job title Senior Software engineer
Applicant email ahmad@yahoo.com
Applicant status Accepted for first interview
Applicant phone number 98454642

SCHEDULE INTERVIEW

Figure 12: Accepted for interview

Scheduling interview after looking to the managers schedule and making sure it is available and room reservations

Employees timeline

August 2022

Week Timeline | Month Timeline

Resources	1 M	2 T	3 W	4 T	5 F	6 S	7 S	8 M	9 T	10 W	11 T	12 F	13 S	14 S	15 M	16 T	17 V
HP																	
aseel bustami			3:24p - 5:5 text	3j Intern	6p inte												
elon musk																	
NUTANIX																	
aida bustami																	
sara abdalla																	
khaled bustami																	
Microsoft office																	
Mai Bustami																	
leonardo bustami																	

Figure 13: Employee Schedule

Schedule Room

August 31, 2022

TODAY TIMELINE DAY TIMELINE WEEK

Aug 31, Wednesday

Rooms	Type	Capacity	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM
Ramalla/1	Conference	20				Lunch Break					
Ramalla/2	Conference	7				Lunch Break		Client meeting 1:00 PM - 5:00 PM			
Ramalla/3	Conference	5				Lunch Break					
Ramalla/4	Conference	15				Lunch Break		Client meeting 1:00 PM - 2:00 PM			
Ramalla/5	Conference	25				Lunch Break					
Nablus/1	Conference	10				Lunch Break	client meetin... 12:00 PM - 1:00 PM				
Nablus/2	Conference	20				Lunch Break					

localhost:3000/

Figure 14: Room Schedule

HR schedules interview and it is added automatically to the managers calendar and the meeting room is reserved.

added successfully to calendar

vs scheduling

@yahoo.com/aseel bustami

engineer

.com

interview

member

9/1/2022 1:00 PM

9/1/2022 2:00 PM

Select new Responsible manager

aida bustami

Applicant email

ahmad@yahho.com

Select Room

Nablus/1

CREATE MEETING CANCEL

SCHEDULE INTERVIEW

Figure 15: Schedule interview

After the interview is scheduled:

			Sep 1, Thursday								
Rooms	Type	Capacity	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Ramalla/1	Conference	20		Lunch Break							
Ramalla/2	Conference	7		Lunch Break							
Ramalla/3	Conference	5		Lunch Break							
Ramalla/4	Conference	15		Lunch Break							
Ramalla/5	Conference	25		Lunch Break							
Nablus/1	Conference	10		Lunch Break			Interview 1:00 PM - 2:00 P...				
Nablus/2	Conference	20		Lunch Break							
Nablus/3	Conference	8		Lunch Break							
Nablus/4	Conference	30		Lunch Break							

Figure 16: Interview is added to room reservation

Employees timeline

September 1, 2022

WeekTimeline Month Timeline

Resources	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm
HP													
aseel bustami													
NUTANIX													
aida bustami								Interview					
sara abdalla													
khaled bustami													
Microsoft office													
Mai Bustami													
leonardo bustami													
leo bbb													
Apple													

Figure 17: Interview is added to the employee's calendar

An applicant is accepted third interview means that this applicant passed three technical interviews successfully and one interview left with HR so HR has to decide after the fourth interview.

Interviews scheduling

Responsible Manager aseel_bustami@yahoo.com/aseel bustami	
Job title Senior Software engineer	
Applicant email sarabustami@yahoo.com	I
Applicant status Accepted third interview	
Applicant phone number 598454631	

ACCEPT

REJECT

Figure 18: Accepted third interview

An applicant rejected after second interview =>we let know the HR about all the managers decisions about the applicants to keep all recruitment process clear

Interviews scheduling

Responsible Manager
aseel_bustami@yahoo.com/aseel bustami

Job title
Senior Software engineer

Applicant email
ahmad@yahoo.com

Applicant status
Rejected after second interview

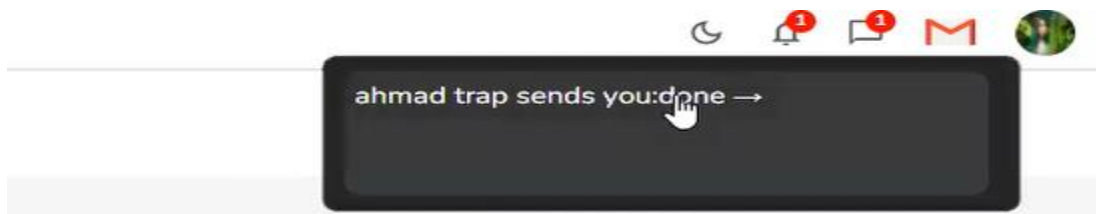
Applicant phone number
98454642

ACCEPT

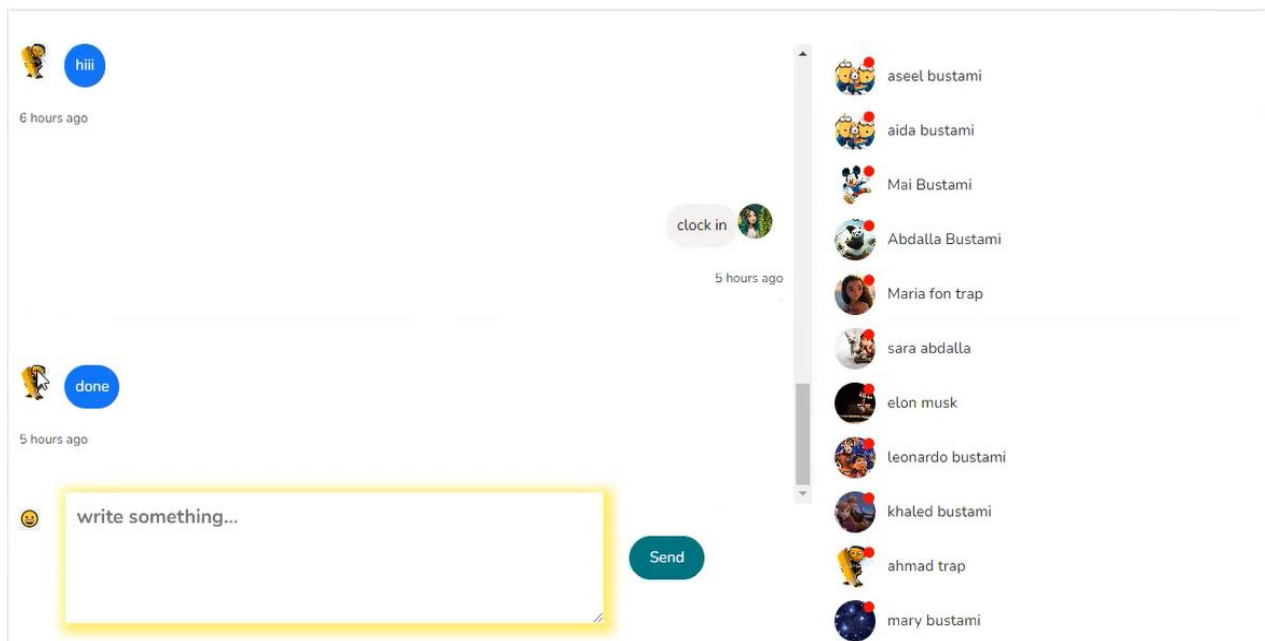


Figure 19: Rejected after second interview

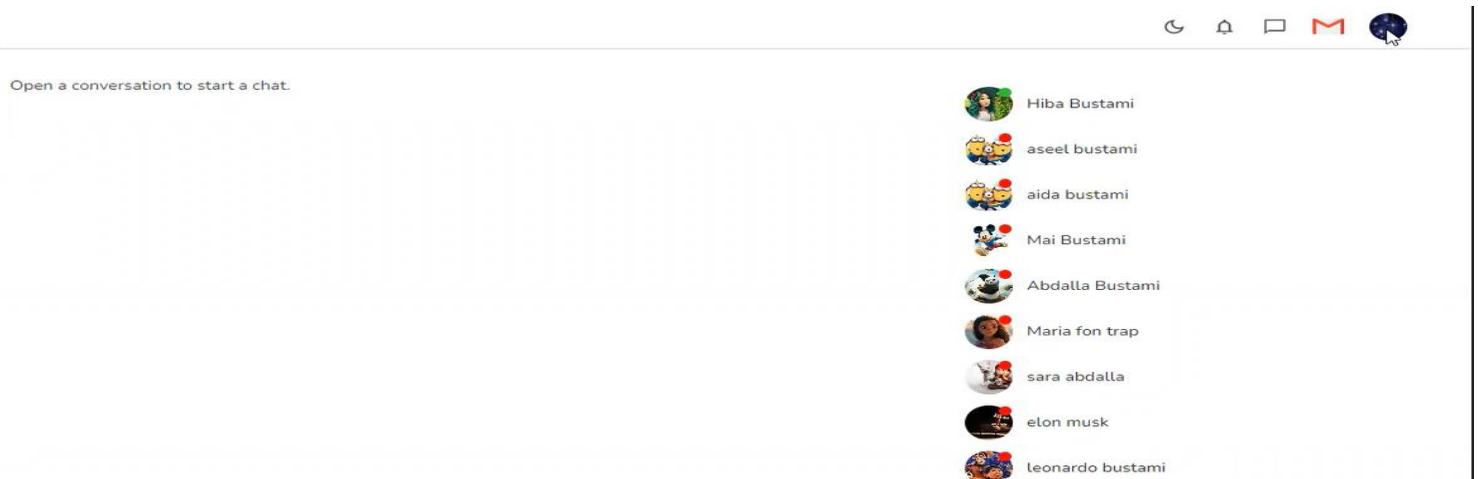
Unread messages notifications:



on Click=>



We can see all the employees are offline but we opened from another account to get the online users



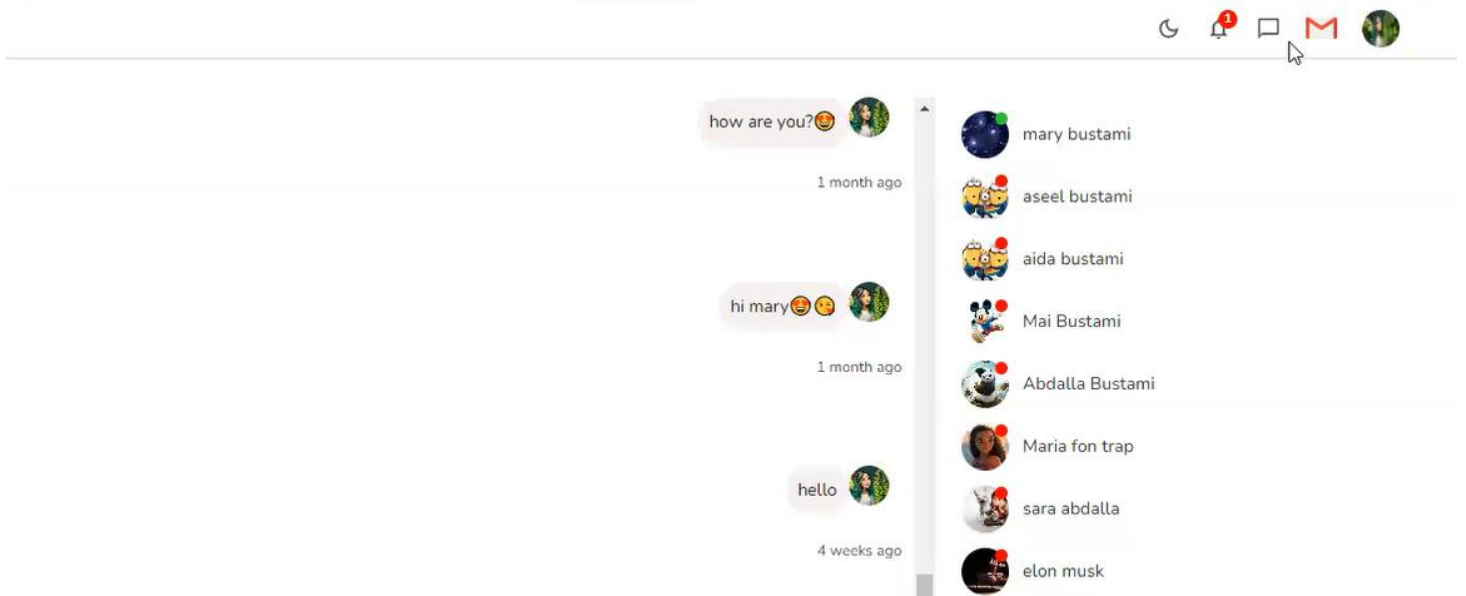
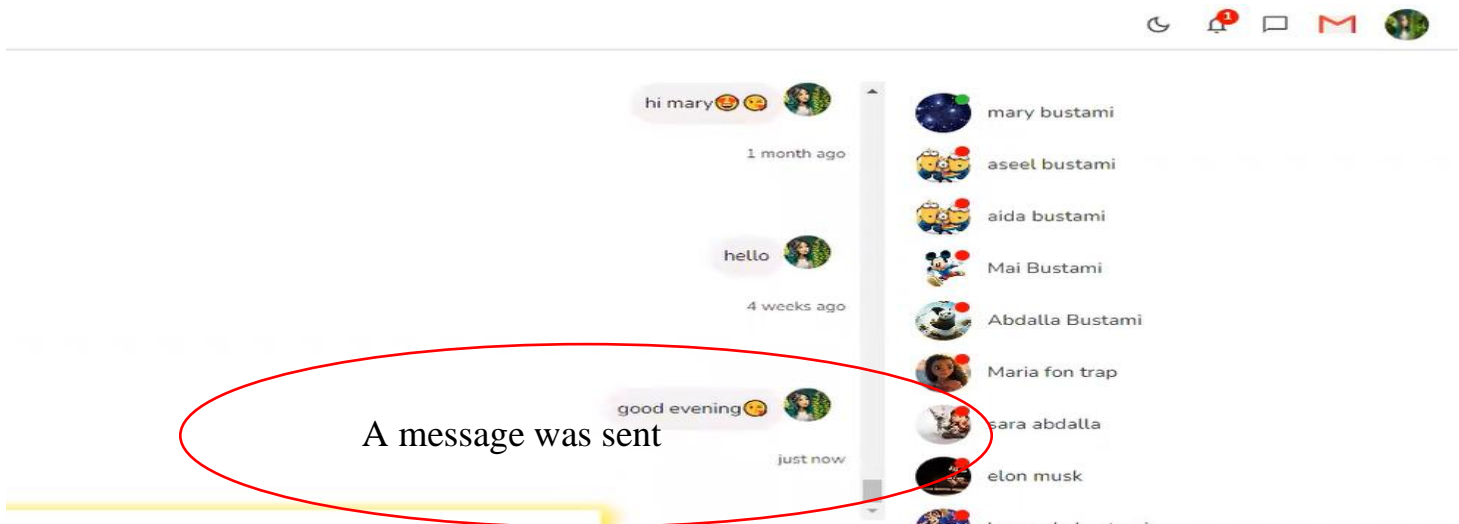
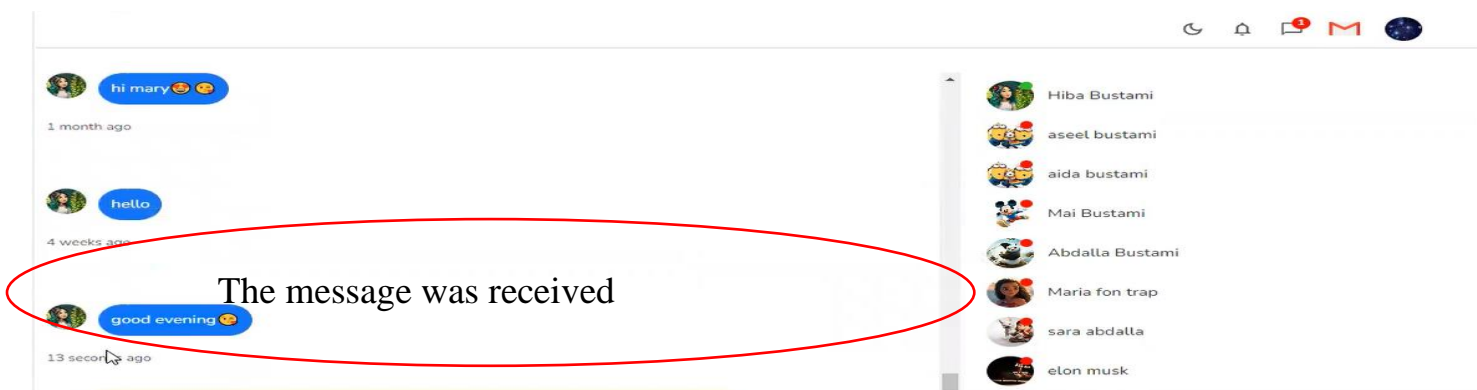


Figure 20: Online Users



A message was sent



The message was received

When a user log out:



Immediately it disappears from online users:

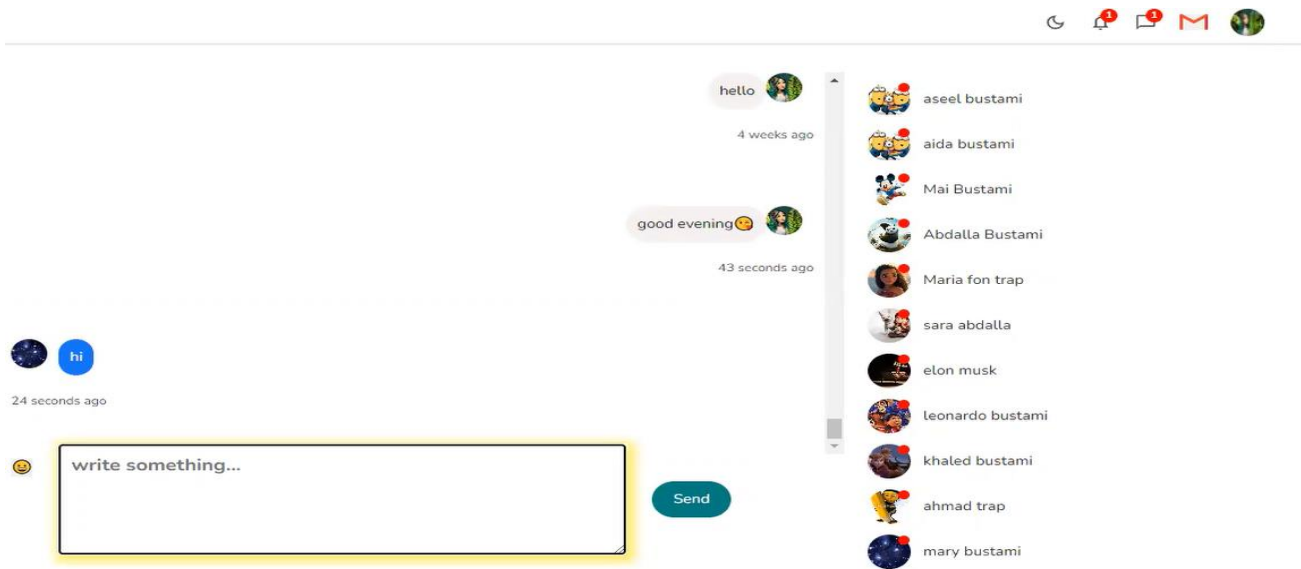


Figure 21:Real time chat

We show in dashboard the number of clocked in employees at the current moment also the number of employees working from home also the number of employees who are not working like in vacation or sick leave.....



To see more details about who is out the office we navigate to out the office page.

We show then in week timeline and month timeline each type has a color to be more user friendly UI

✈️ Out the office timeline

August 2022

WeekTimeline Month Timeline

Resources	15 M	16 T	17 W	18 T	19 F	20 S	21 S	22 M	23 T	24 W	25 T	26 F	27 S	28 S	29 M	30 T	31 W
HP																	
aseel bustami								Work from Home									
elon musk																	
NUTANIX																	
aida bustami						Vacation									Vacation		
sara abdalla																	
khaled bustami																	
Microsoft office																	
Mai Bustami																	
leonardo bustami																	

Figure 22: Out the office

📅 Upcoming events

Subject : test event
Date : 2022-08-25
[more details](#)



🌴 Upcoming Holidays

Subject : Christmas Day
Date : 2022-12-24
[more details](#)
Subject : Christmas Eve
Date : 2022-12-25
[more details](#)







Figure 23: Show upcoming events and Holidays

Administrator information page:

Adminstrtors information

+ Add new Administrator PDF Export Excel Export

Name	Email	Branch	Hiring date	phone Nu...	Job Tiltle	
Hiba Bustami	aseelbustami16@g...	Nablus/Makhfieh	2019-09-16	5984544631	HR	 
mary bustami	mari@yahoo.com	Ramallah/atMasion	2022-08-06	598888888	Human resources	 

1 of 1 pages (2 items)

We can add an administrator by +add new Adminstartor so this modal appears:

X

GENERAL INFORMATION WORK INFORMATION CONTRACT

First Name
sara

Last Name
bustami

Email
sara@ya

20

Female

000-221-5151

Address
California

X

GENERAL INFORMATION WORK INFORMATION CONTRACT



Password
47fba61c-6862-4cf5-ac3a-208b07934293

GENERATE PASSWORD

Nablus/Makhfieh

Human resources

Bank Account
243548989

Hiring Date
  . / . / . .

X

GENERAL INFORMATION WORK INFORMATION CONTRACT

Salary per month currency dollar
3000

ADD THE EMPLOYEE

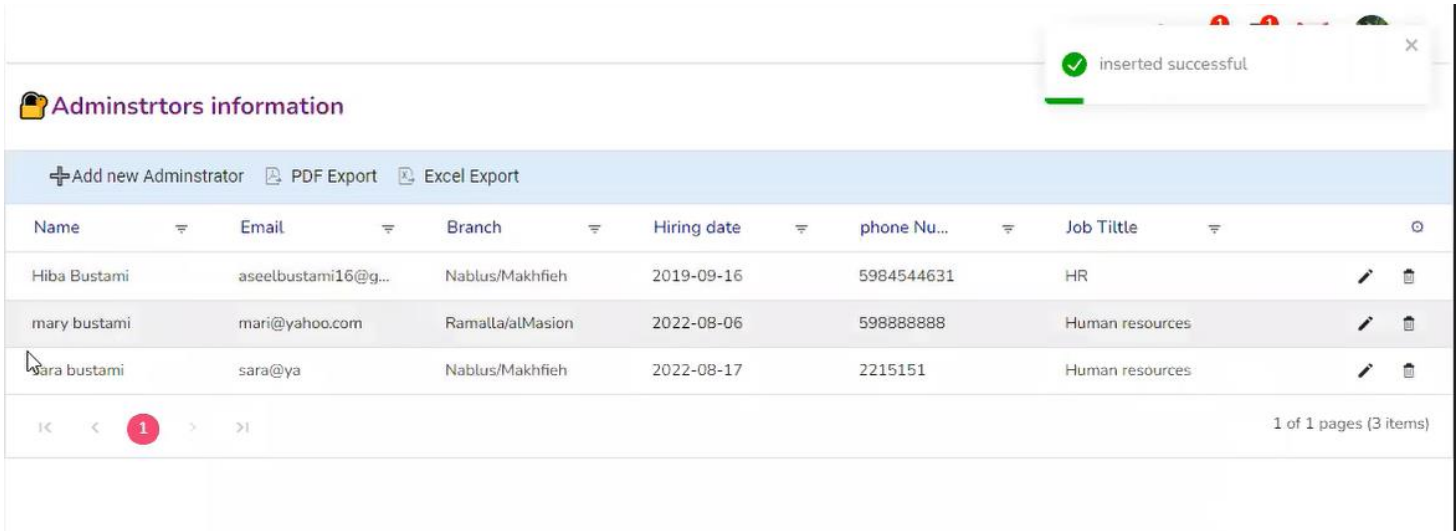


Figure 24: Add new Adminstrator

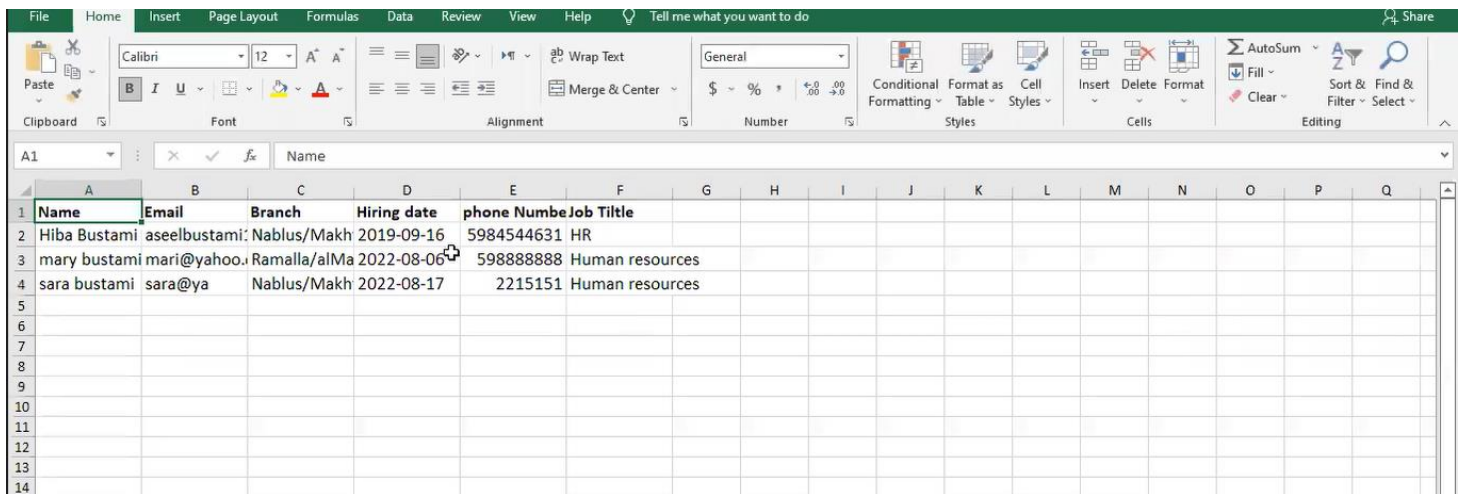
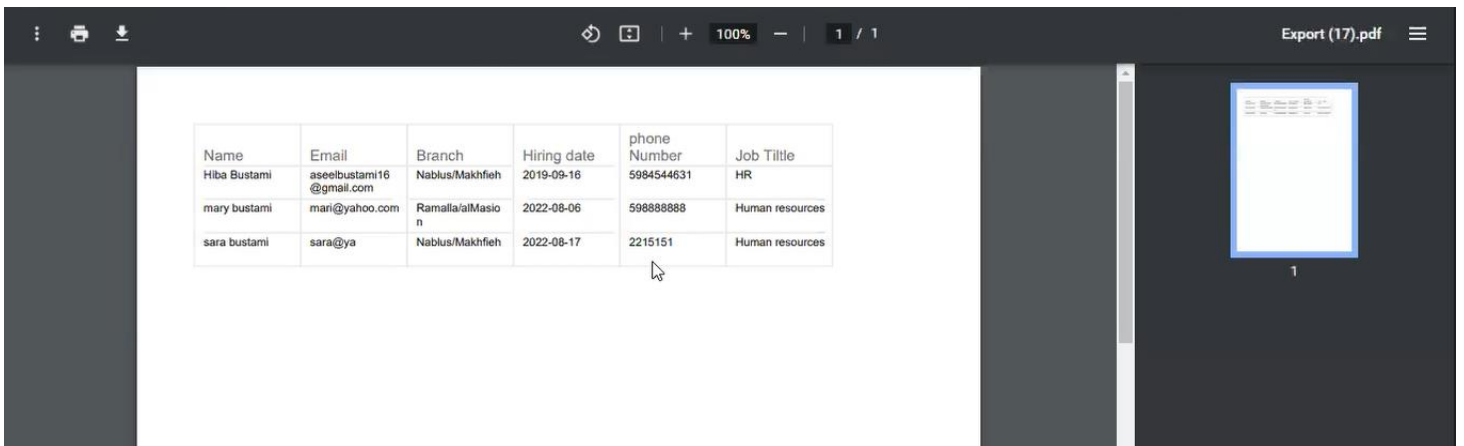


Figure 25: Export PDF and excel file

Adminstrtors information

+ Add new Administrator PDF Export Excel Export

Name	Email	Branch	Hiring date	phone Nu...	Job Tittle
Hiba Bustami	aseelbustami16@g...	Nablu/Makhfieh	2019-09-16	5984544631	HR
mary bustami	mari@yahoo.com	Ramalla/alMasion	2022-08-06	598888888	Human resources
sara bustami	sara@yahoo.com	Nablu/Makhfieh	2022-08-17	2215151	Human resources

1 of 1 pages (3 items)

successfully done

Adminstrtors information

+ Add new Administrator PDF Export Excel Export

Name	Email	Branch	Hiring date	phone Nu...	Job Tittle
Hiba Bustami	aseelbustami16@g...	Nablu/Makhfieh	2019-09-16	5984544631	HR
mary bustami	mari@yahoo.com	Ramalla/alMasion	2022-08-06	598888888	Human resources
sara bustami	sara@yahoo.com	Nablu/Makhfieh	2022-08-17	2215151	Human resources

1 of 1 pages (3 items)

Figure 26:Edit information

When delete We do not delete the record from database but what we do we put termination date for this record

Adminstrtors information

+ Add new Administrator PDF Export Excel Export

Name	Email	Branch	Hiring date	phone Nu...	Job Tittle
Hiba Bustami	aseelbustami16@g...	Nablu/Makhfieh	2019-09-16	5984544631	HR
mary bustami	mari@yahoo.com	Ramalla/alMasion	2022-08-06	598888888	Human resources
sara bustami	sara@yahoo.com	Nablu/Makhfieh	2022-08-17	2215151	Human resources

1 of 1 pages (3 items)

successfully done

Adminstrtors information

+ Add new Administrator PDF Export Excel Export

Name	Email	Branch	Hiring date	phone Nu...	Job Tittle
Hiba Bustami	aseelbustami16@g...	Nablu/Makhfieh	2019-09-16	5984544631	HR
mary bustami	mari@yahoo.com	Ramalla/alMasion	2022-08-06	598888888	Human resources

1 of 1 pages (2 items)

Figure 27:Delete Adminstartor

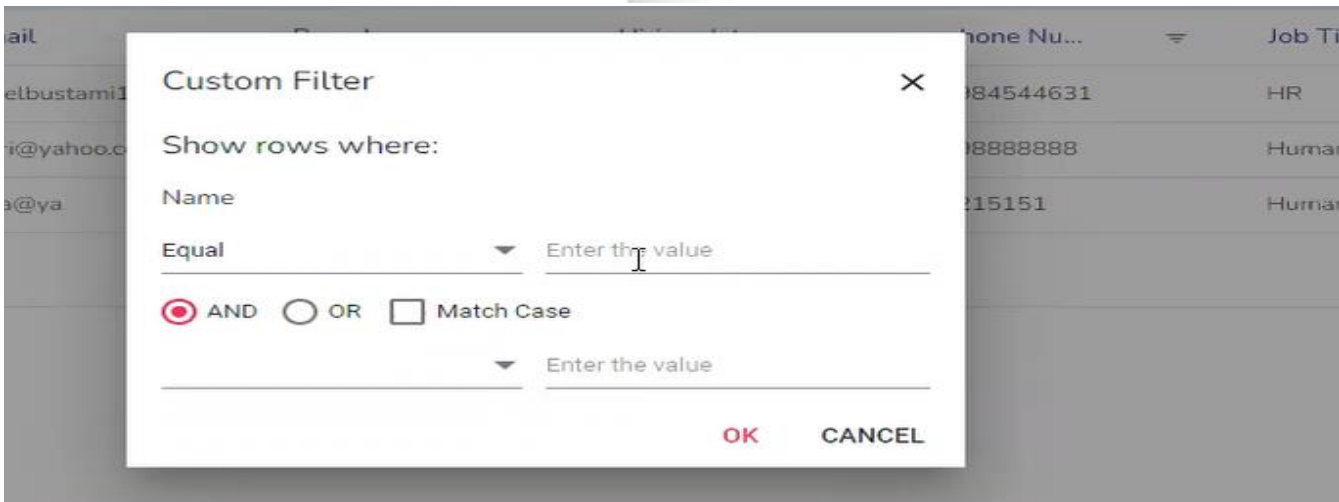
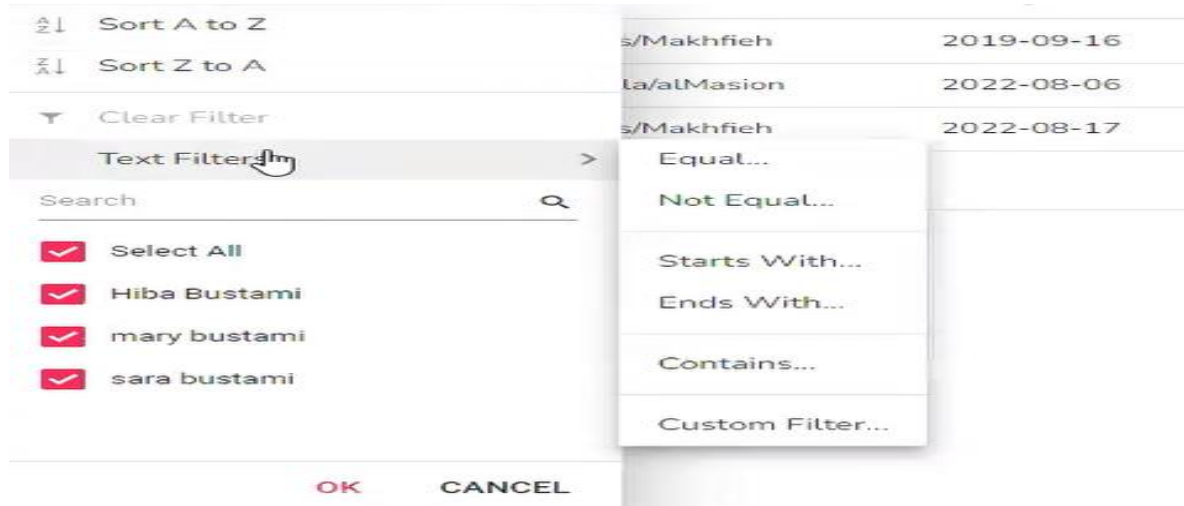


Figure 28: Search techniques

Tracking time and location for the employees: if the employee worked less than 8 hours color: red but more than 8 hours color: green

You can keep track of the total work hours for each employee during the work

Name	Email	Clockin	Clockin	Clockout	Clockout	Dura...
ahmad trap	ahmad@yahoo...	06:22:31	2022/08/23	06:39:43	2022/08/23	0H: 17M: 12S
ahmad trap	ahmad@yahoo...	06:56:22	2022/08/23	06:58:23	2022/08/23	0H: 2M: 1S
aseel bustami	aseel_bustami...	09:02:00	2022/08/23	09:02:16	2022/08/23	0H: 0M: 16S
aida bustami	aida_bustami@...	01:55:43	2022/08/21	07:19:49	2022/08/21	5H: 23M: 6S
aseel bustami	aseel_bustami...	08:59:37	2022/08/17	09:00:00	2022/08/17	0H: 0M: 22S
aseel bustami	aseel_bustami...	09:06:36	2022/08/17	09:06:46	2022/08/17	0H: 0M: 10S
aseel bustami	aseel_bustami...	09:09:31	2022/08/17	09:11:16	2022/08/17	0H: 1M: 45S
aseel bustami	aseel_bustami...	09:13:43	2022/08/17	09:16:11	2022/08/17	0H: 2M: 28S
aseel bustami	aseel_bustami...	06:03:19	2022/08/16	06:09:23	2022/08/16	0H: 6M: 4S
aseel bustami	aseel_bustami...	06:55:39	2022/08/16	08:39:58	2022/08/16	1H: 44M: 19S
aseel bustami	aseel_bustami...	06:55:39	2022/08/16	12:55:39	2022/08/16	0H: 9M: 0S
aseel bustami	aseel_bustami...	08:41:27	2022/08/16	08:49:15	2022/08/16	0H: 7M: 48S

Name	Email	Clockin	Clockin	Clockout	Clockout	Dura...	
aseel bustami	aseel_bustami...	08:52:06	2022/08/16	08:52:55	2022/08/16	0H: 0M: 49S	✎ 🗑 ...
aseel bustami	aseel_bustami...	12:39:26	2022/08/16	12:40:02	2022/08/16	0H: 0M: 36S	✎ 🗑 ...
aseel bustami	aseel_bustami...	04:00:43	2022/08/16	04:06:35	2022/08/16	0H: 5M: 52S	✎ 🗑 ...
aseel bustami	aseel_bustami...	11:30:27	2022/08/15	11:44:29	2022/08/15	0H: 14M: 25S	✎ 🗑 ...
aseel bustami	aseel_bustami...	11:46:37	2022/08/15	11:56:48	2022/08/15	0H: 6M: 11S	✎ 🗑 ...
aseel bustami	aseel_bustami...	02:12:21	2022/08/15	03:11:43	2022/08/15	0H: 59M: 22S	✎ 🗑 ...
aseel bustami	aseel_bustami...	10:00:09	2022/08/14	10:03:08	2022/08/14	0H: 2M: 39S	✎ 🗑 ...
aseel bustami	aseel_bustami...	08:37:13	2022/08/09	04:43:32	2022/08/09	0H: 6M: 19S	✎ 🗑 ...
aseel bustami	aseel_bustami...	05:05:01	2022/08/09	05:06:23	2022/08/09	0H: 1M: 22S	✎ 🗑 ...
aseel bustami	aseel_bustami...	05:21:32	2022/08/07	05:44:48	2022/08/07	0H: 23M: 16S	✎ 🗑 ...
aseel bustami	aseel_bustami...	11:00:21	2022/08/06	11:10:32	2022/08/06	0H: 10M: 11S	✎ 🗑 ...

Figure 29: Clock history and location

Name	Email	Clockin	Clockin	Clockout	Clockout	Dura...	
aseel bustami	aseel_bustami...	08:52:06	2022/08/16	08:52:55	2022/08/16	0H: 0M: 49S	✎ 🗑 Save X ...

Name	Email	Clockin	Clockin	Clockout	Clockout	Dura...	
aseel bustami	aseel_bustami...	08:52:06	2022/08/16	08:52:55	2022/08/16	0H: 0M: 49S	✎ 🗑

Figure 30: Edit and delete records

When show location pressed we can track the location of the employees during their work hours

show location PDF Export Excel Export							
Name	Email	Clockin	Clockin	Clockout	Clockout	Dura...	
ahmad trap	ahmad@yahoo...	06:22:31	2022/08/23	06:39:43	2022/08/23	0H: 17M: 12S	✎ 🗑 ...
ahmad trap	ahmad@yahoo...	06:56:22	2022/08/23	06:59:23	2022/08/23	0H: 2M: 15S	✎ 🗑 ...
aseel bustami	aseel_bustami...	09:02:00	2022/08/23	09:02:16	2022/08/23	0H: 0M: 16S	✎ 🗑 ...
aida bustami	aida_bustami@...	01:55:43	2022/08/21	07:19:49	2022/08/21	0H: 24M: 6S	✎ 🗑 ...

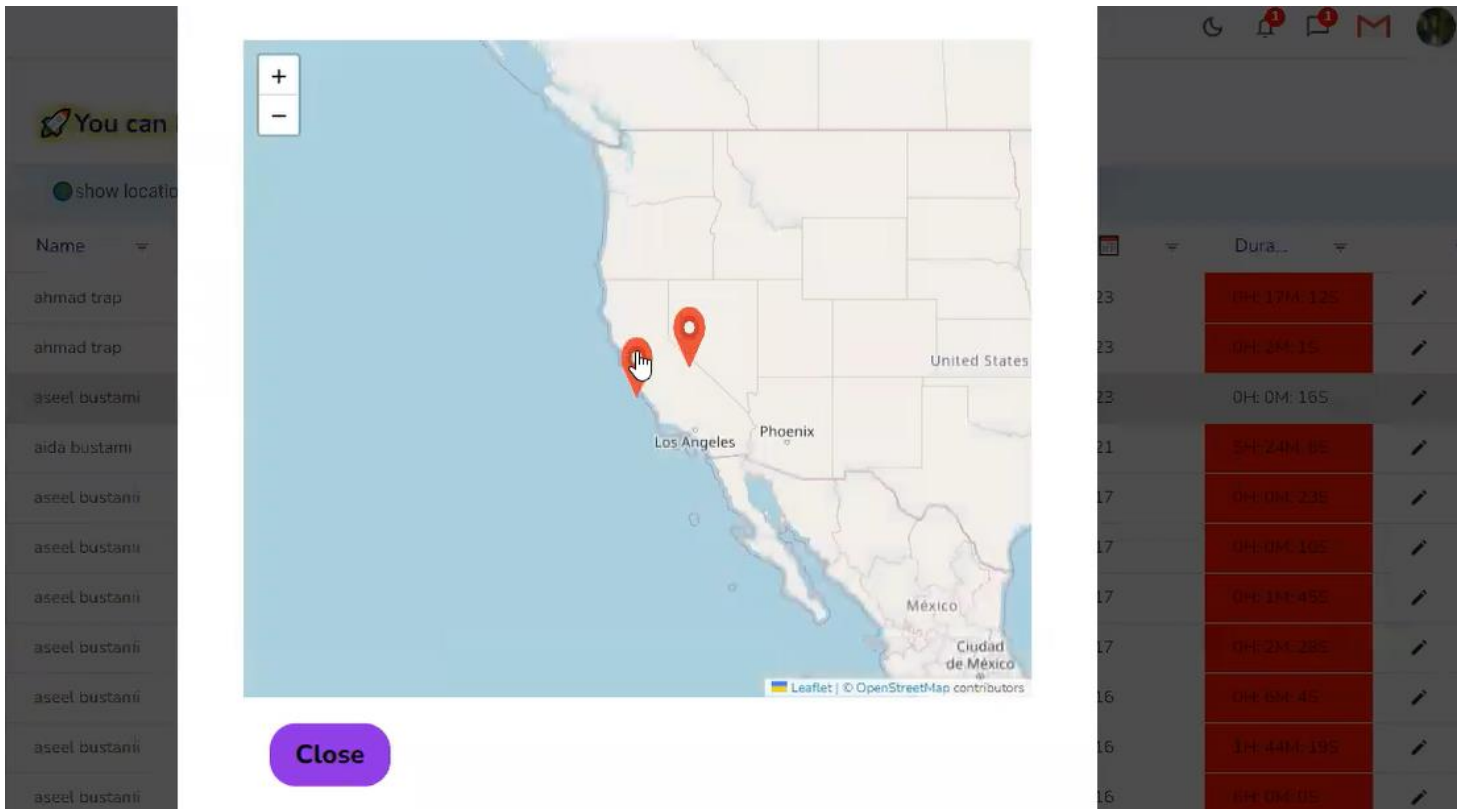


Figure 31:Track location

Employees Management:

Employees Inforamtion

[+ Add new Employee](#)
[View profile](#)
[PDF Export](#)
[Excel Export](#)

Name	Email	Team	job Title	office	Address	phone #	Manage R...
aseel bustami	aseel_bustami...	HP	software engin...	Ramalla/alMasi...	Ektaba-Tulkarm	122222	
aida bustami	aida_bustami@...	NUTANIX	software engin...	Nablus/Makhfieh	Ektaba/Tulkarm	598454641	
Mai Bustami	hibabustami@...	Microsoft office	front-end	Nablus/Makhfieh	Nablus	598454631	
Abdalla Bustami	abdallabustami...	Apple	back-end	Nablus/Makhfieh	Tulkarm	599850508	
Maria fon trap	maria@yahoo.c...	Apple	Mobile app eng...	Ramalla/alMasi...	California	598745632	
sara abdalla	aseel@yaho	NUTANIX	Back-end engin...	Ramalla/alMasi...	London	5698777777	
elon musk	elon@email.com	HP	Software engin...	Ramalla/alMasi...	California	598746322	
leonardo busta...	leo@email.com	Microsoft office	Quality Accura...	Nablus/Makhfieh	Tulkarm	5987452	
khaled bustami	khalid@yahoo.c...	NUTANIX	Mobile app eng...	Ramalla/alMasi...	tulkarm	158875555	
ahmad trap	ahmad@yahoo...	Apple	Networks engi...	Nablus/Makhfieh	Ramalla	5999998888	

Employees Inforamtion

[+ Add new Employee](#)
[View profile](#)
[PDF Export](#)
[Excel Export](#)

Name	Email	Team	job Title	office	Address	phone #	Manage R...
aseel bustami	aseel_bustami@yahoo.com	HP	software engin...	Ramalla/alMasi...	Ektaba-Tulkarm	122222	
sara abdalla	aseel@yaho	NUTANIX	Back-end engin...	Ramalla/alMasi...	London	5698777777	
elon musk	elon@email.com	HP	Software engin...	Ramalla/alMasi...	California	598746322	

Employees Inforamtion

[+ Add new Employee](#)
[View profile](#)
[PDF Export](#)
[Excel Export](#)

Name	Email	Team	job Title	office	Address	phone #	Manage R...
aseel bustami	aseel_bustami...	HP	software engin...	Ramalla/alMasi...	Ektaba-Tulkarm	122222	
sara abdalla	aseel@yaho	NUTANIX	Back-end engin...	Ramalla/alMasi...	London	5698777777	
elon musk	elon@email.com	HP	Software engin...	Ramalla/alMasi...	California	598746322	

We don't delete record we put only termination date for this employee at the moment we press delete

[+ Add new Employee](#)
[View profile](#)
[PDF Export](#)
[Excel Export](#)

Name	Email	Team	job Title	office	Address	phone #	Manage R...
aseel bustami	aseel_bustami...	HP	software engin...	Ramalla/alMasi...	Ektaba-Tulkarm	122222	
aida bustami	aida_bustami@...	NUTANIX	software engin...	Nablus/Makhfieh	Ektaba/Tulkarm	598454641	
Mai Bustami	hibabustami@...	Microsoft office	front-end	Nablus/Makhfieh	Nablus	598454631	
Abdalla Bustami	abdallabustami...	Apple	back-end	Nablus/Makhfieh	Tulkarm	599850508	
Maria fon trap	maria@yahoo.c...	Apple	Mobile app eng...	Ramalla/alMasi...	California	598745632	
sara abdalla	aseel@yaho	NUTANIX	Back-end engin...	Ramalla/alMasi...	London	5698777777	
leonardo busta...	leo@email.com	Microsoft office	Quality AccJira...	Nablus/Makhfieh	Tulkarm	5987452	
khaled bustami	khalid@yahoo.c...	NUTANIX	Mobile app eng...	Ramalla/alMasi...	tulkarm	158875555	
ahmad trap	ahmad@yahoo...	Apple	Networks engi...	Nablus/Makhfieh	Ramalla	5999998888	

Figure 32:Delete employee

When we press add new employee:

X

GENERAL INFORMATION WORK INFORMATION CONTRACT DOCUMENTS

First Name
leo

Last Name
bbb

Email
leo@ya

30

Male

002-515-8899

Address
tulkarm

X

GENERAL INFORMATION WORK INFORMATION CONTRACT DOCUMENTS

Password
0a9fcd87-cca1-4fde-8df3-4ee142562686

GENERATE PASSWORD

Ramalla/alMasion

Employee

Back-end engineer

Microsoft office

Bank Account
9999999999

Hiring Date

TT/••/TT•TT

Employees Informantion

inserted successful

X

GENERAL INFORMATION WORK INFORMATION CONTRACT DOCUMENTS

Salary per month curreny dollar
2000

2

5

40

Start kit
laptop

ADD THE EMPLOYEE

Manage R...

✎ 🗑

✎ 🗑

✎ 🗑

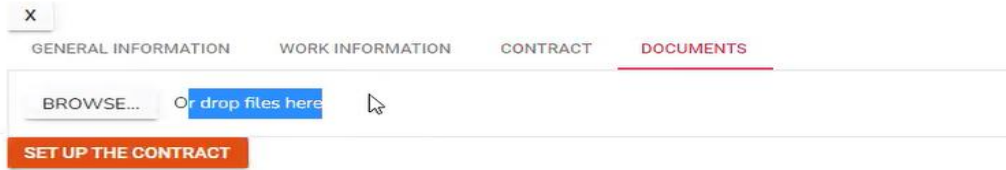
✎ 🗑

✎ 🗑

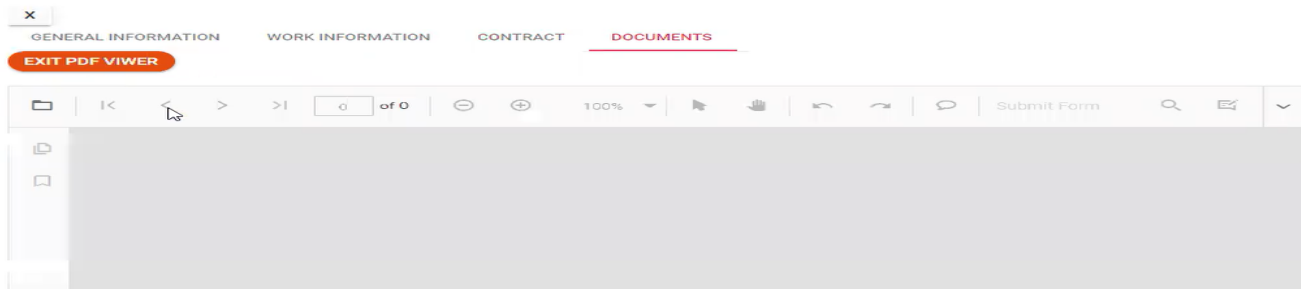
✎ 🗑

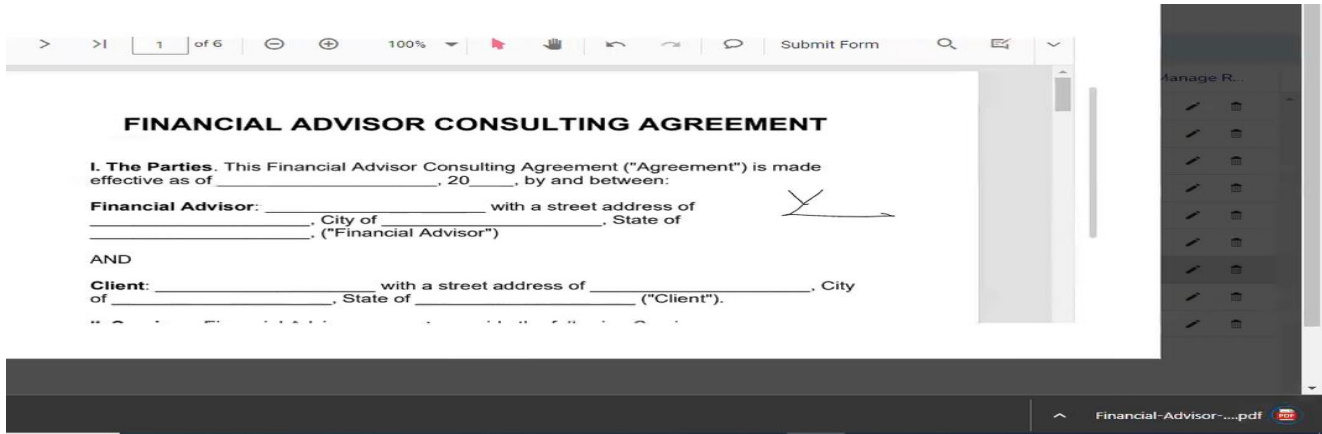
✎ 🗑

If we want to upload documents related to the employee like contract and health insurance

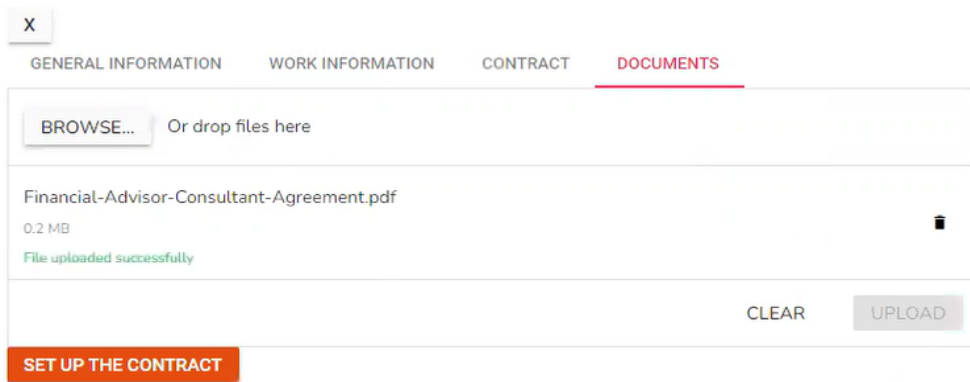


When we press set the contract=>PDF viewer opens and choose the file we want and add effects like signature





After download =>we can upload the file



And here is the new added employee:

leo bbb	leo@ya	Microsoft office	Back-end engin...	Ramalla/atMasi...	tulkarm	25158899		
---------	--------	------------------	-------------------	-------------------	---------	----------	--	--

Figure 33: Add employee

View profile for any employee:

X

GENERAL INFORMATION WORK INFORMATION CONTRACT TIME OFF HISTORY CLOCK IN HISTORY DOCUMENTS

First Name
aseel

Last Name
bustami

Email
aseel_bustami@yahoo.com

22

Gender
female

phone number
122222

Address
Ektaba-Tulkarm

X

GENERAL INFORMATION WORK INFORMATION CONTRACT TIME OFF HISTORY CLOCK IN HISTORY DOCUMENTS

office
Ramalla/alMasion

Team
HP

job Title
software engineer

Bank Account
9874562

Hiring Date
2021/05/16

Position
Manager

X

GENERAL INFORMATION WORK INFORMATION CONTRACT TIME OFF HISTORY CLOCK IN HISTORY DOCUMENTS

Salary per month currency dollar
4000

UPDATE SALARY

Total work hours per week
40

Start kit
headphones

UPDATE EQUIPMENT

X

GENERAL INFORMATION WORK INFORMATION CONTRACT **TIME OFF HISTORY** CLOCK IN HISTORY DOCUMENTS

Extra Holiday Days
6

UPDATE

Extra Work from home Days

UPDATE

Type	Description	Start Date	End Date	Duration	HR
Sick leave	lazic fro eyes	2022/01/20	2022/01/22	2 days	rejected
Vacation	F	2022/07/24	2022/07/29	5 days	accepted

Type	Description	Start Date	End Date	Duration	HR
Sick leave	lazic fro eyes	2022/01/20	2022/01/22	2 days	rejected
Vacation	F	2022/07/24	2022/07/29	5 days	accepted
Sick leave	Hhh	2022/07/25	2022/07/28	3 days	rejected
Work from Home	test	2022/08/22	2022/08/25	3 days	accepted
Work from Home	work from home	2022/09/01	2022/09/08	7 days	
Sick leave	ffffff	2022/08/29	2022/08/31	2 days	accepted

1 of 1 pages (6 items)

X

GENERAL INFORMATION WORK INFORMATION CONTRACT TIME OFF HISTORY **CLOCK IN HISTORY** DOCUMENTS

PDF Export Excel Export

Name	Clockin	Clockin	Clockout...	Clockout...	Dur...	
aseel bustami	11:00:21	2022/08/06	11:10:32	2022/08/06	0H: 10M: 11S	
aseel bustami	05:21:32	2022/08/07	05:44:48	2022/08/07	0H: 23M: 16S	
aseel bustami	08:37:13	2022/08/09	04:43:32	2022/08/09	8H: 6M: 19S	
aseel bustami	05:05:01	2022/08/09	05:06:23	2022/08/09	0H: 1M: 22S	
aseel bustami	10:00:09	2022/08/14	10:03:08	2022/08/14	0H: 2M: 59S	

PDF Export Excel Export

Date	Total hours
2022/08/06	0H: 10M: 11S
2022/08/07	0H: 23M: 16S
2022/08/14	0H: 2M: 59S
2022/08/23	0H: 0M: 16S
2022/08/09	8H: 8M: 0S

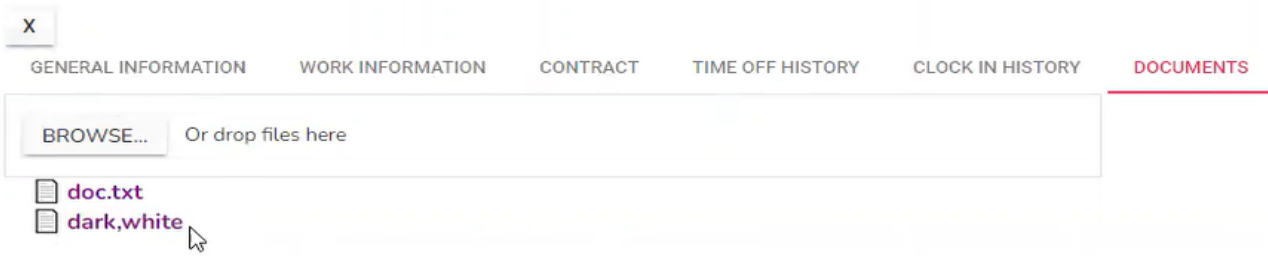


Figure 34:View profile employee

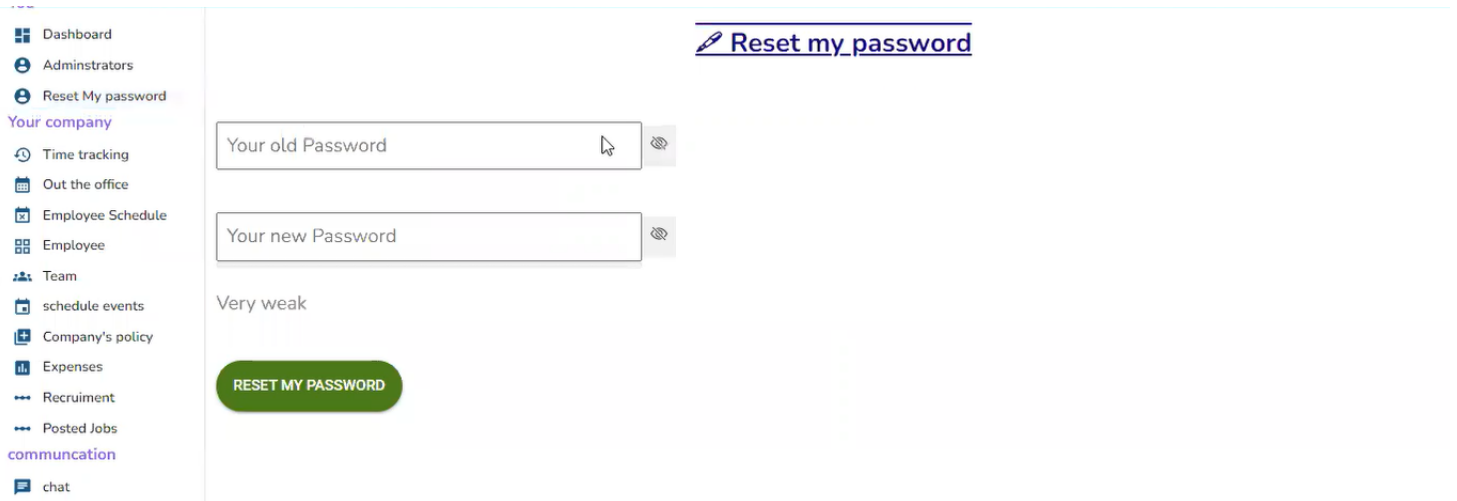


Figure 35:Reset password

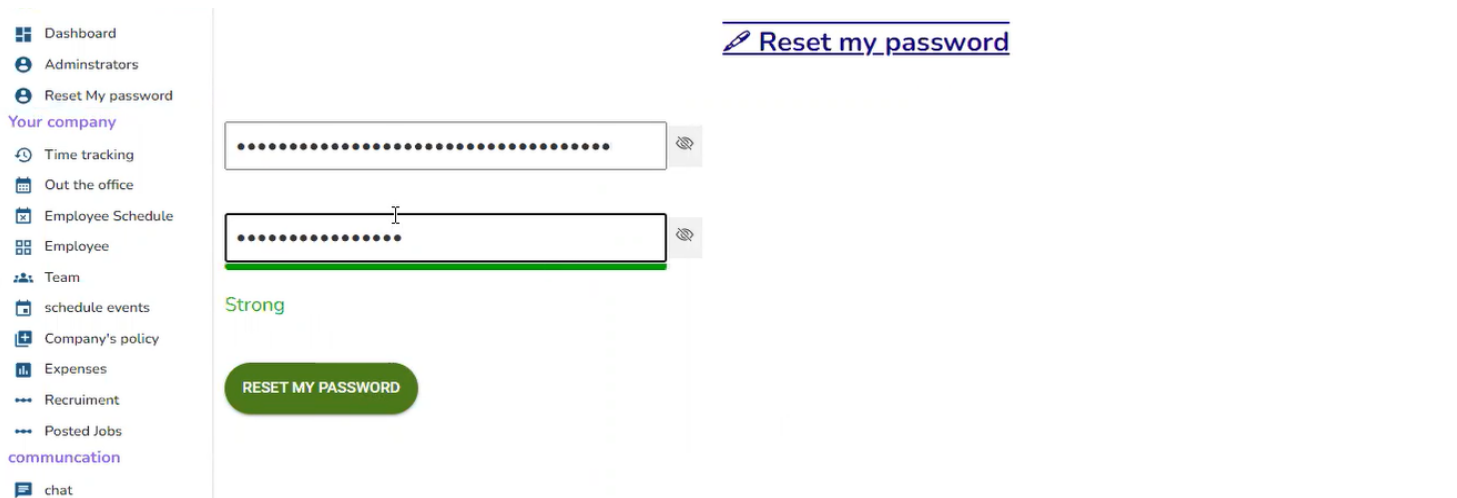


Figure 36:Measurment for strength of password

Team profile

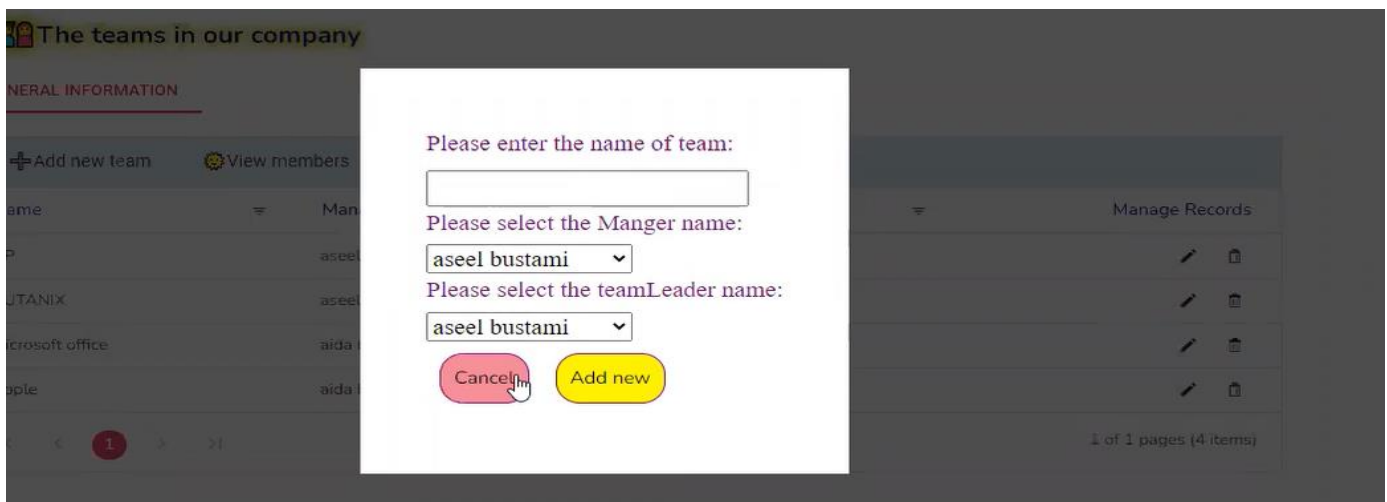
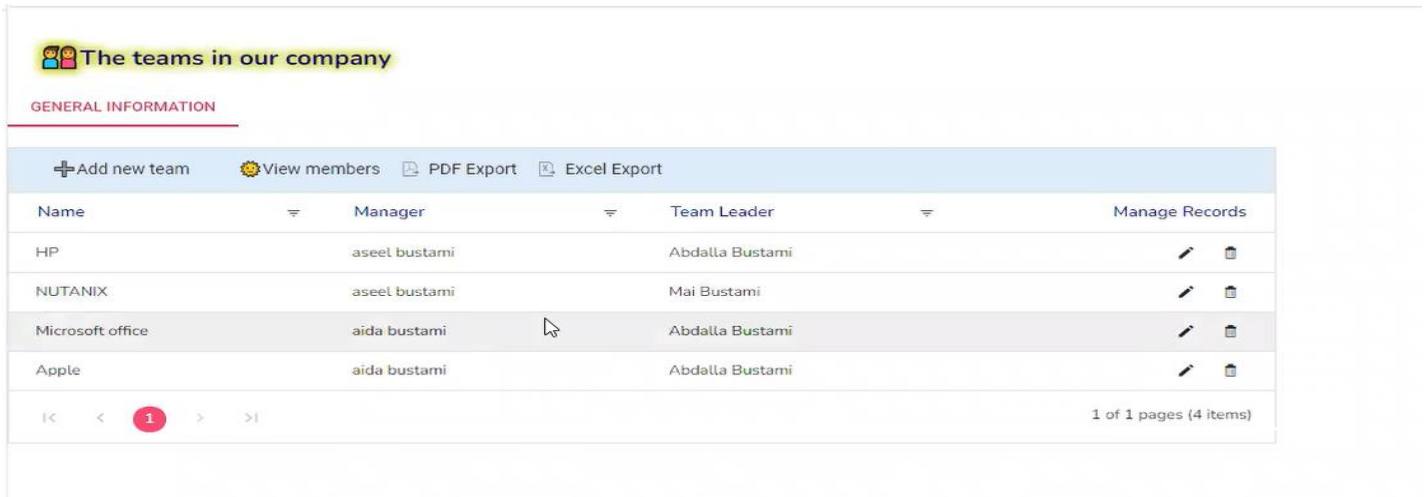
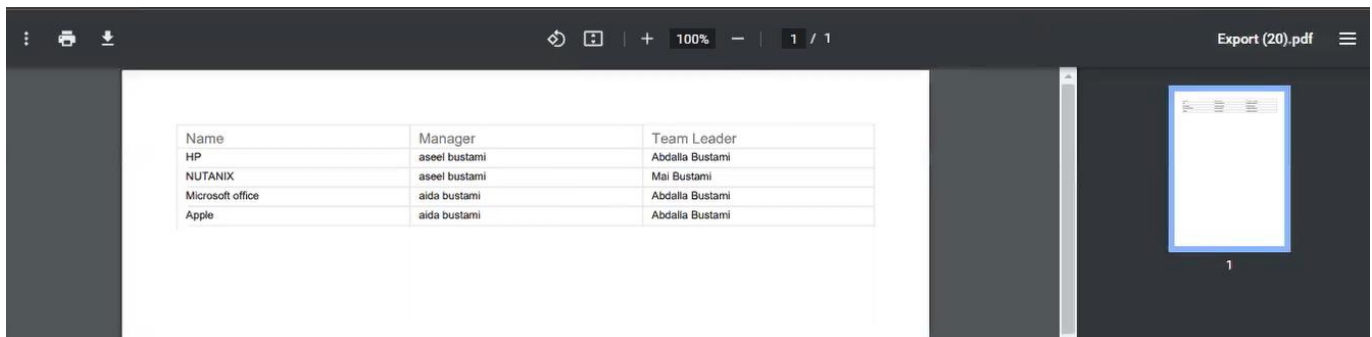


Figure 37: Add team



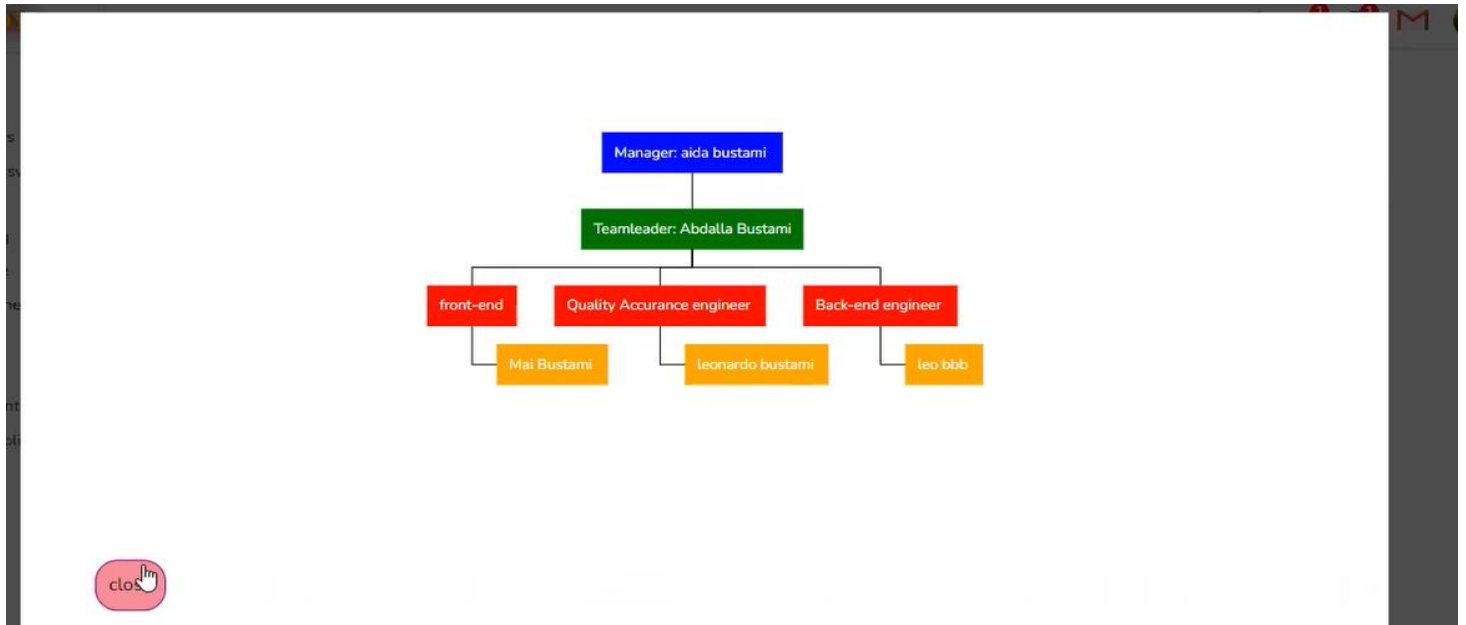


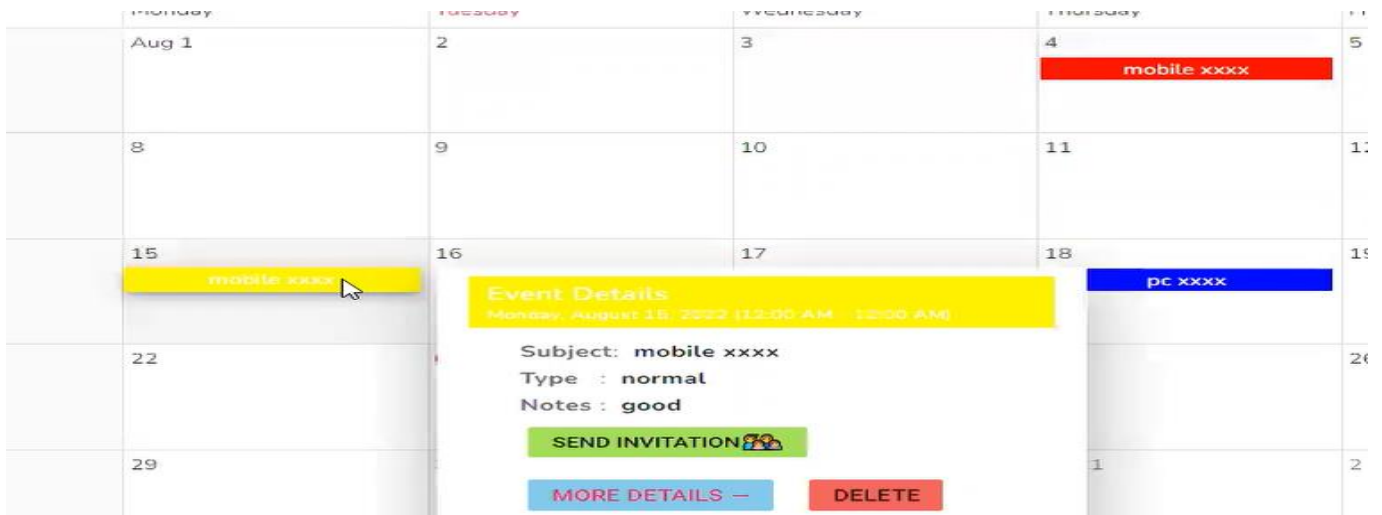
Figure 38:View team members

Scheduling Events:

Schedule your events

< > July 2022 ▾ TODAY WEEK MONTH TIMELINE MONTH DAY AGENDA

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						Happy Eid
Happy Eid	Happy Eid	Happy Eid				
17	18	19	20	21	22	23
24	25	26	27	28 aida	29	30 aida



When we press Delete =>the event is deleted

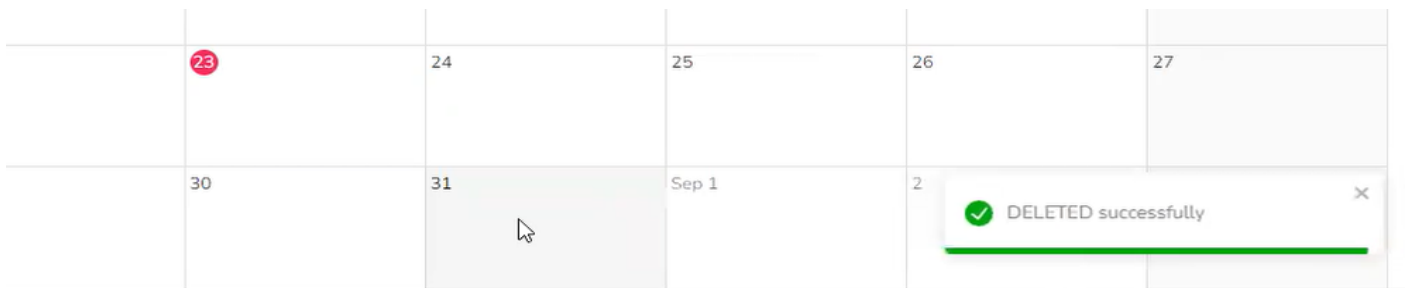


Figure 39: Delete Event

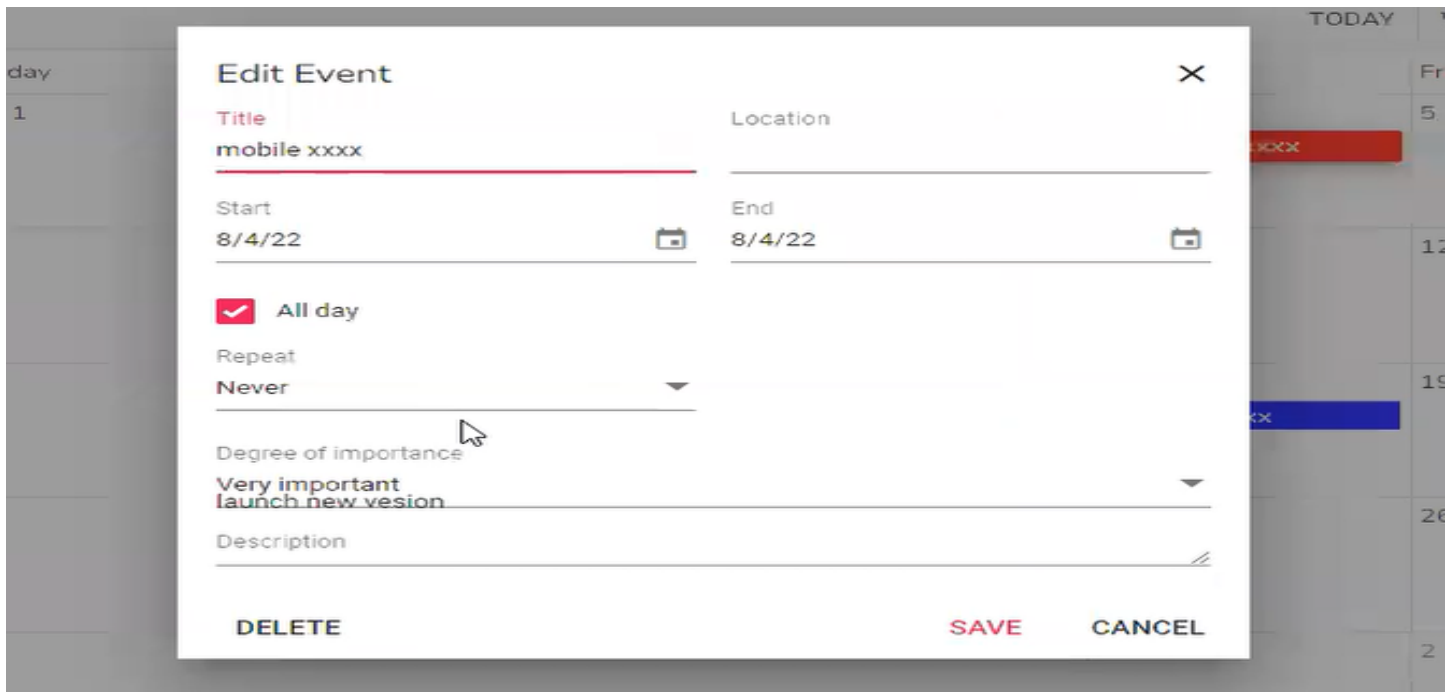


Figure 40:More Details Event

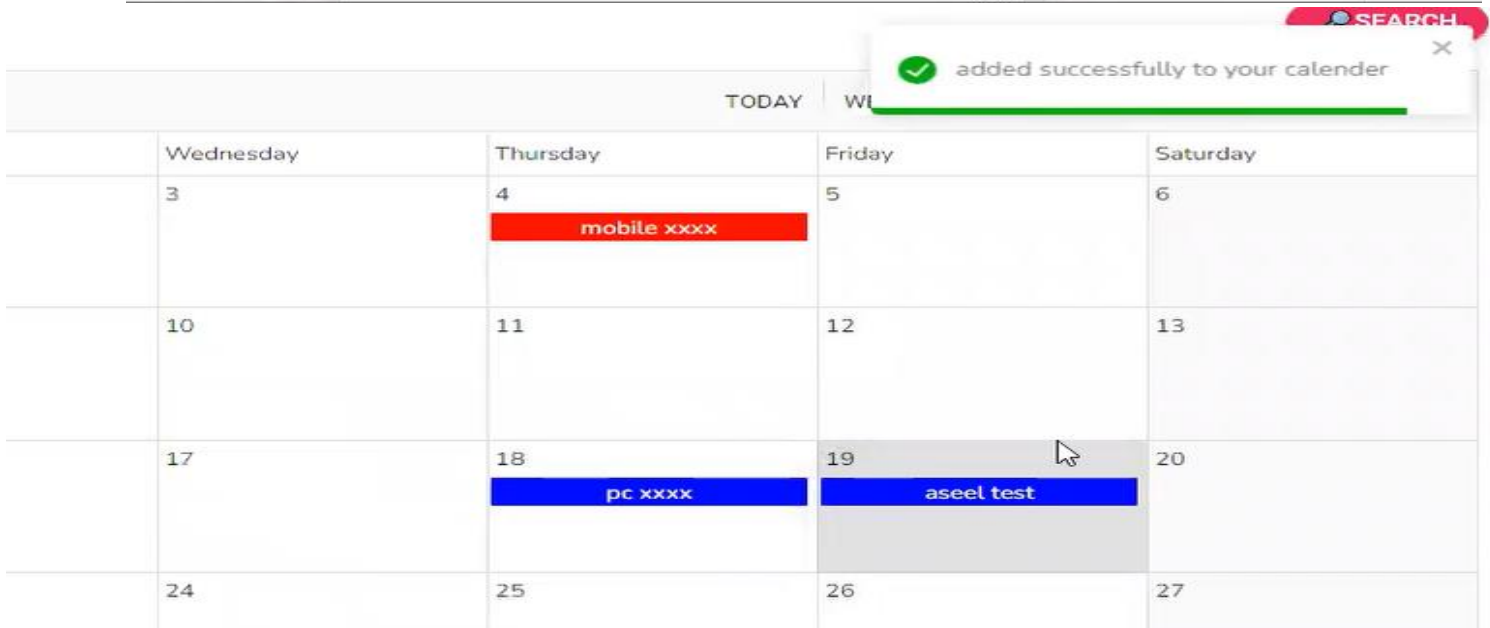
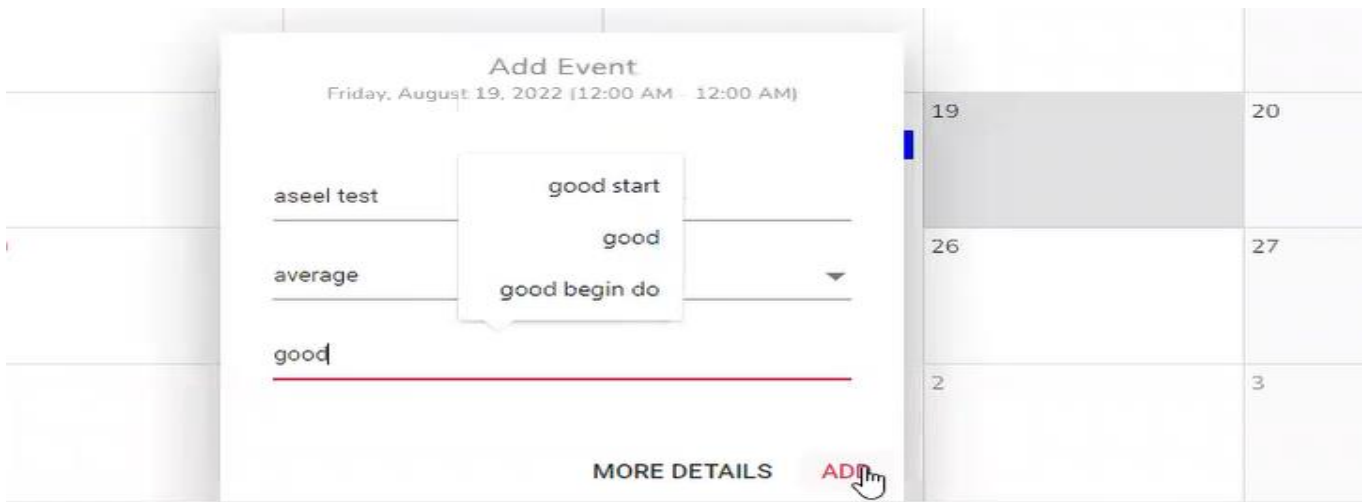


Figure 41: Add event (1)

New Event ✕

<p>Title test all</p> <hr/> <p>Start 8/25/22 12:00 AM 📅 ⌚</p> <hr/> <p><input type="checkbox"/> All day <input checked="" type="checkbox"/> Timezone</p> <p>Start Timezone (UTC+02:00) Amman ▼</p> <hr/> <p>Repeat Never ▼</p> <hr/> <p>Degree of importance Very important Add notes</p> <hr/> <p>Description</p> <hr/>	<p>Location nablus</p> <hr/> <p>End 8/25/22 12:00 AM 📅 ⌚</p> <hr/> <p>End Timezone (UTC+02:00) Amman ▲</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <p>Search Timezone</p> <hr/> <p>(UTC+01:00) Tunis</p> <p>(UTC+01:00) Vienna</p> <p>(UTC+01:00) Warsaw</p> <p>(UTC+01:00) Zurich</p> <p style="background-color: #f0f0f0;">(UTC+02:00) Amman</p> </div>
--	---

New Event ✕

<p>Title test all</p> <hr/> <p>Start 8/25/22 📅</p> <hr/> <p><input checked="" type="checkbox"/> All day</p> <p>Repeat Never ▲</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <p>Never</p> <hr/> <p>Daily ▼</p> <p style="background-color: #f0f0f0;">Weekly 👤</p> <hr/> <p>Monthly</p> <hr/> <p>Yearly</p> </div>	<p>Location nablus</p> <hr/> <p>End 8/25/22 📅</p> <hr/>
--	---

SAVE **CANCEL**

Recurrence rules:

The image shows a user interface for configuring recurrence rules. It is divided into two main sections: one for weekly rules and one for daily rules.

Weekly Rule Section:

- Repeat:** A dropdown menu set to "Weekly".
- Repeat every:** A numeric input field set to "1" with up and down arrows, followed by the unit "Week(s)".
- Repeat On:** A grid of seven circular buttons representing days of the week: S (Sunday), M (Monday), T (Tuesday), W (Wednesday), T (Thursday), F (Friday), and S (Saturday). The "T" (Thursday) button is highlighted in red, and a hand cursor is pointing at it.
- End:** A dropdown menu set to "Never".

Daily Rule Section:

- Repeat:** A dropdown menu set to "Daily".
- Repeat every:** A numeric input field set to "4" with up and down arrows, followed by the unit "Day(s)".
- End:** A dropdown menu set to "Never". A mouse cursor is hovering over it, and a dropdown menu is open showing three options: "Never", "Until", and "Count".

Yearly Rule Section (partially visible):

- Repeat:** A dropdown menu set to "Yearly".
- Repeat every:** A numeric input field set to "4" with up and down arrows, followed by the unit "Year(s)".
- Repeat On:** A dropdown menu set to "August".
- Day:** A radio button next to "Day" followed by a numeric input field set to "25".
- Last:** A radio button next to "Last" followed by a dropdown menu set to "Thursday".

At the bottom right of the interface, there are two buttons: "SAVE" and "CANCEL".

Figure 42: Recurrence rule

New Event

Title: **test all** Location: **nablus**

Start: **8/25/22** End: **8/25/22**

All day

Repeat: **Weekly** Repeat every: **1** Week(s)

Repeat On: **M** End: **Never**

Degree of importance: **important**

Description: **test add**

TODAY WEEK MONTH

Friday
5
12
19
26
2

022 TODAY WEEK

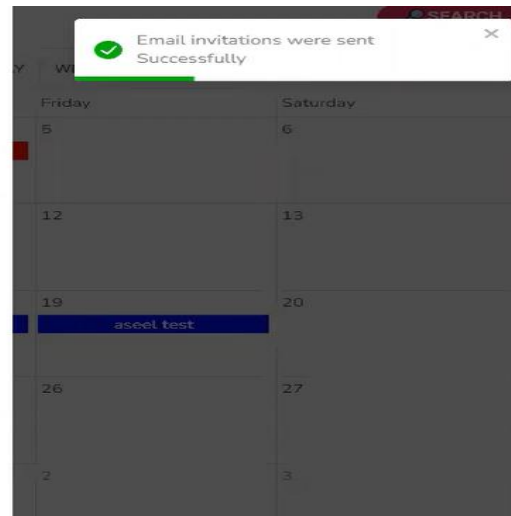
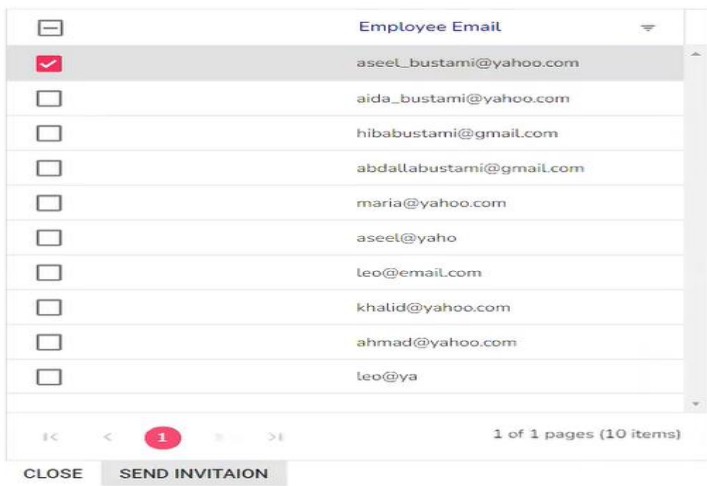
SEARCH added successfully to your calendar

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Aug 1	2	3	4 mobile xxxx	5	6
8	9	10	11	12	13
15	16	17	18 pc xxxx	19 aseel test	20
22	23	24	25	26	27
29 test all; nablus	30	31	Sep 1	2	3

	Monday	Tuesday	Wednesday	Thursd
	29 test all; nablus ↻	30	31	Sep 1
	5 test all; nablus ↻	6	7	8
	12 test all; nablus ↻	13	14	15
	19 test all; nablus ↻	20	21	22
	26 test all; nablus ↻	27	28	29

Figure 43: Add event (2)

Send invitations emails:



 **aseelbustami16@gmail.com**
aseel_bustami@yahoo.com

Tue, Aug 23 at 10:15 PM

Hello,

I am glad to announce that there is an event that may concern you:

Subject: test all

Description: test add, Location: nablus

From: 2022-08-28T21:00:00.000Z

To: 2022-08-29T21:00:00.000Z

Let us know about your opinion:

[join event](#)

**Best wishes,
Human Resources**

Figure 44: send invitation email

When the email button join event is pressed event is added to the employee's calendar.



Added successfully to your calendar

Figure 45: add to calendar

Showing Holidays on the calendar based on the company's policy

< > January 2023 ▾

Sunday	Monday	Tuesday	Wednesday
Jan 1 New years	2 -1 more	3	4
8	9 -1 more	10	11
15	16	17	18

< > December 2022 ▾ TODAY WEEK MONTH TIMELINE MONTH DAY AGEND

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4	5 test all; nablus	6	7	8	9	10
11	12 test all; nablus	13	14	15	16	17
18	19 test all; nablus	20	21	22	23	24 Christmas Day
25 Christmas Eve	26 Thanksgiving day test all; nablus	27	28	29	30	31

Search Events:

X

Search by all event fields

Enter the Search text

Search by specific event fields

Subject

Location

Start Time 📅

End Time 📅

SEARCH CLEAR

X

Search by all event fields

aseel

Subject	Location	StartTime	EndTime
aseel test		8/19/2022 12:00 AM	8/20/2022 12:00 AM

Figure 46: Search event

Company's policy: Decides the bill types, holidays, types of request off, branches of offices

Time off Holidays Bill types Office

Here you can modify, add or delete the time off requests types based on the company's policy

ADD NEW

Type	Total Days	Query
Vacation	7	EDIT DELETE
Work from Home	8	EDIT DELETE
Sick leave	10	EDIT DELETE

Figure 47: company's policy Time off

Here you can modify,add or delete the official Holidays based on the company's policy

+Add new Holiday PDF Export Excel Export			
Name	Start date	End date	manage Records
Women day	2022-03-08	2022-03-08	
Party time	2022-04-05	2022-04-05	
Happy Labor day	2022-05-01	2022-05-01	
Happy Eid	2022-05-06	2022-05-09	
Get together	2022-07-02	2022-07-02	
Happy Eid	2022-07-09	2022-07-12	
Christmas Day	2022-12-24	2022-12-24	
Christmas Eve	2022-12-25	2022-12-25	
Thanksgiving day	2022-12-26	2022-12-26	

Figure 48:Company'policy holiday

Here you can modify,add or delete the Bill types for expenses based on the company's policy

+Add new bill PDF Export Excel Export		
Type	State	manage Records
Water bill	Expense	
Electricity bill	Expense	
Internet	Expense	
Activities	Expense	
Devices	Expense	
Gifts	Expense	
Project1	Income	
Project2	Income	
project3	Income	

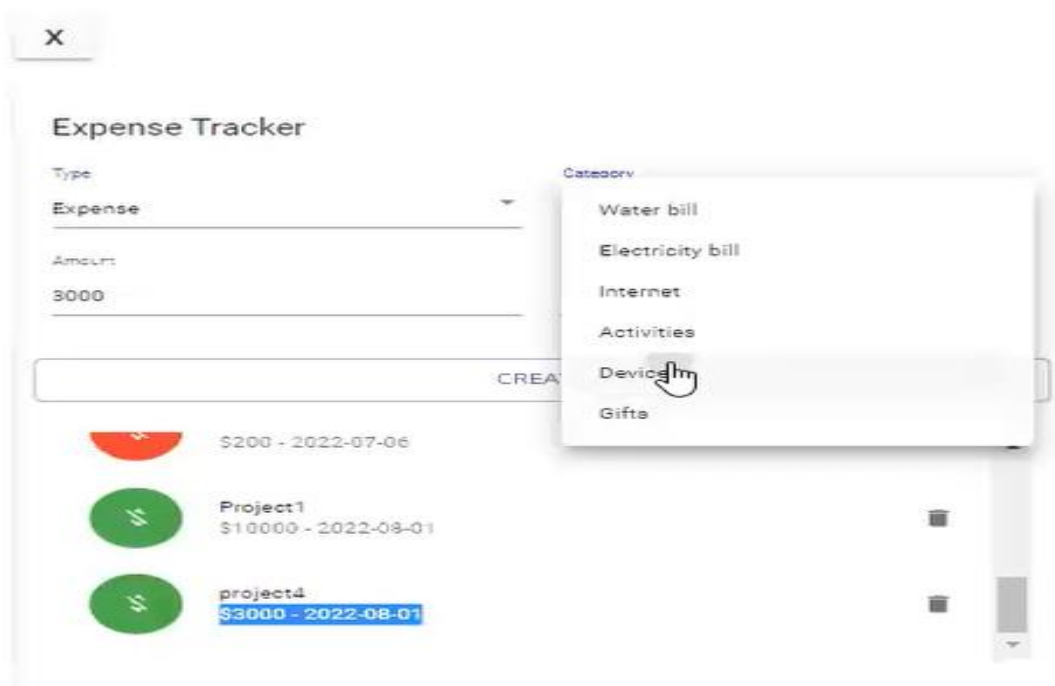
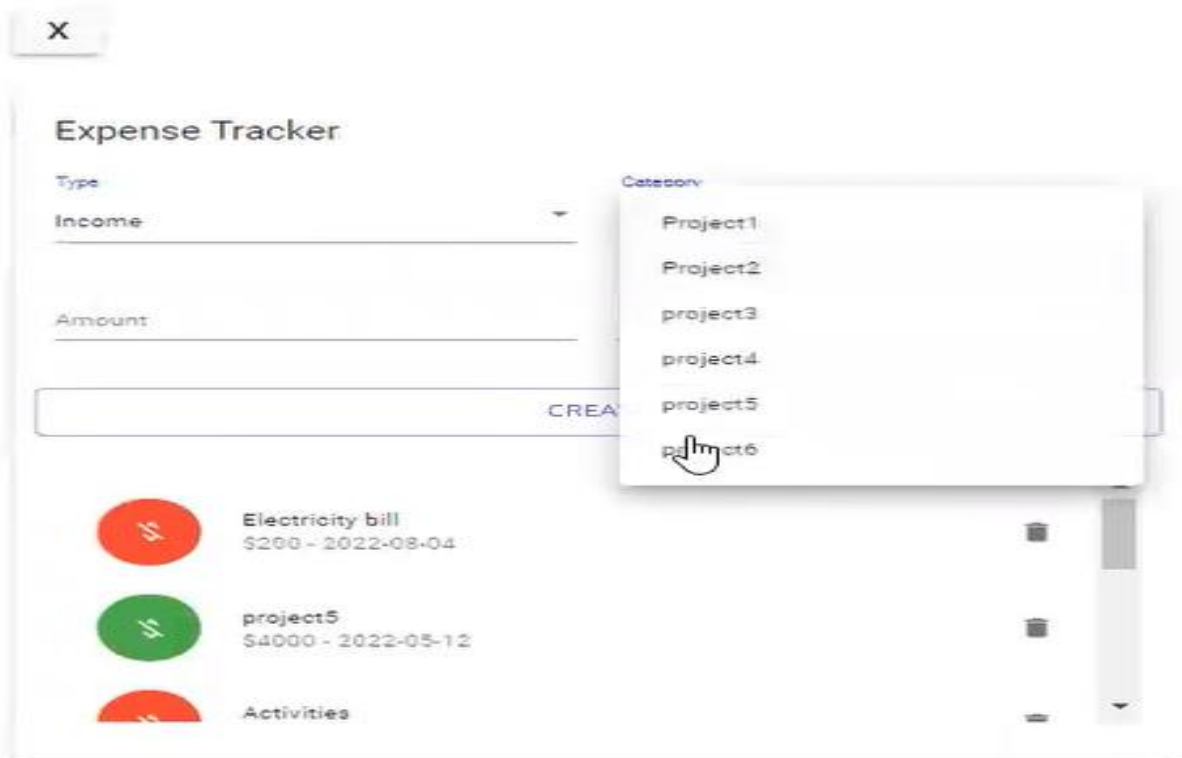
Figure 49:Company's policy bill types

Office: we can add new office/Delete office or edit information.

Time off	Holidays	Bill types	Office
+ Add new office Expenses PDF Export Excel Export			
Branch	location	Head of branch	manage Records
Nablus	Makhfieh	aseel bustami	
Ramalla	alMasion	aida bustami	
< < 1 > >			1 of 1 pages (2 items)

Figure 50: company's policy branches/offices

When we choose office and press expenses=>A modal appears so that we can add bills or delete bills related to the office chosen



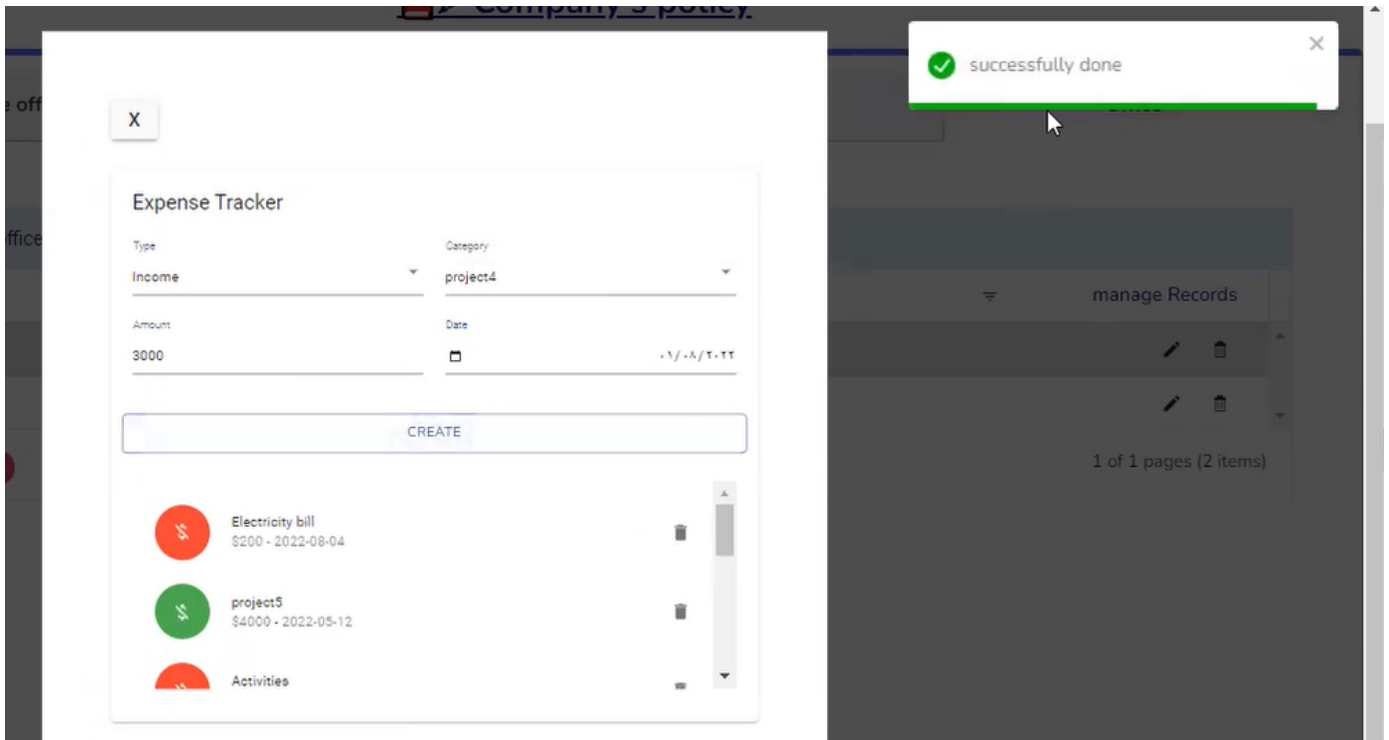


Figure 51: Add income bill

Expenses page:

Shows the hiring date for employees and the evaluation time for each employee, the evaluation is calculated as one year plus the last evaluation time so if we passed the time the color: red else still time color: yellow

Tracking the company's expenses

[HIRED EMPLOYEES](#)
[HISTORY OF SALARIES PAYMENTS](#)
[HISTORY OF BRANCHES PAYMENTS](#)
[HISTORY OF INCOME PAYMENTS](#)
[EXPEI](#)

Note: when you press evaluate automatically an email will be sent to the employees manager to notify him also

Name	Hiring Date	Salary	Evaluation time	Status
aseel bustami	2021-05-16	4000	2023-8-22	still time
aida bustami	2021-01-16	15000	2022-6-22	you passed the time
Mai Bustami	2019-09-16	2000	2022-9-16	still time
Abdalla Bustami	2017-05-08	8000	2023-5-16	still time
Maria fon trap	2021-11-16	3000	2022-11-16	still time
sara abdalla	2020-10-07	6000	2022-11-16	still time
leonardo bustami	2022-01-04	2000	2023-1-4	still time
khaled bustami	2021-02-02	5000	2023-2-4	still time

When we press Evaluate an email is sent to manager of this employee and the state is changed to still time and evaluation time added one year

Tracking the company's expenses

< **HIRED EMPLOYEES** HISTORY OF SALARIES PAYMENTS HISTORY OF BRANCHES PAYMENTS HISTORY OF INCOME PAYMENTS EXPEI >

Note: when you press evaluate automatically an email will be sent to the employees manager to notify him also

Name	Hiring Date	Salary	Evaluation time	Status
aseel bustami	2021-05-16	4000	2023-8-22	still time
aida bustami	2021-01-16	15000	2023-8-23	still time
Mai Bustami	2019-09-16	2000	2022-9-16	still time
Abdalla Bustami	2017-05-08	8000	2023-5-16	still time
Maria fon trap	2021-11-16	3000	2022-11-16	still time
sara abdalla	2020-10-07	6000	2022-11-16	still time
leonardo bustami	2022-01-04	2000	2023-1-4	still time

Buttons: Evaluate, PDF Export, Excel Export

Notification: Email sent Successfully

aseelbustami16@... New message from Blondy'company Hello , It is the evaluation time ...

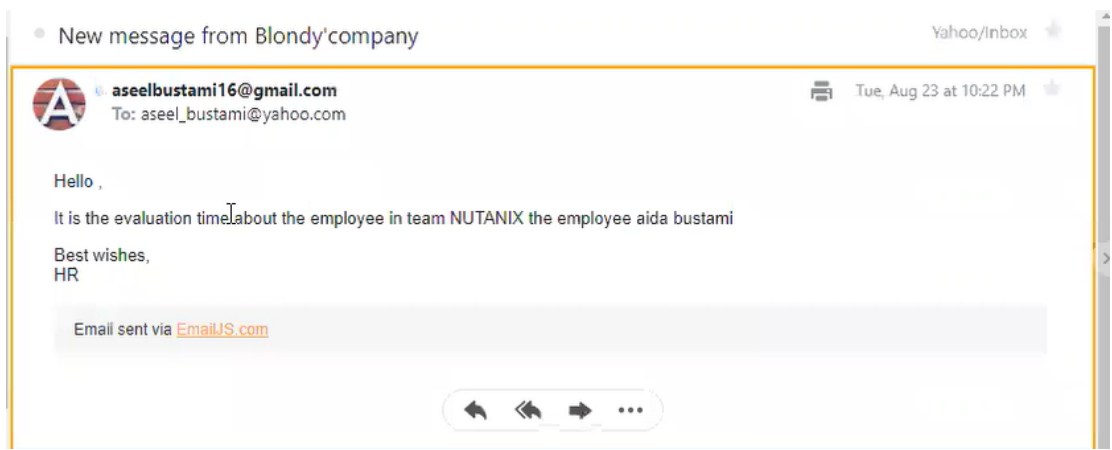


Figure 52: Mnager's email

PDF Export Excel Export

Total Salaries	Date	Number of employees
21000\$	2022-08-01	11
21000\$	2022-07-01	11
24000\$	2022-06-01	11
21000\$	2022-05-01	11
22000\$	2022-04-01	11
21000\$	2022-03-01	11
21000\$	2022-02-01	11
21000\$	2022-01-01	11

Figure 53:Salaries payments

Tracking the company's expenses

PDF Export Excel Export

Type	Amount	Office	Date
Water bill	100\$	Nablus/Makhfieh	2022-08-01
Electricity bill	200\$	Nablus/Makhfieh	2022-08-04
Activities	200\$	Nablus/Makhfieh	2022-08-01
Gifts	200\$	Ramalla/alMasion	2022-08-02
Electricity bill	200\$	Nablus/Makhfieh	2022-07-06
Devices	2000\$	Nablus/Makhfieh	2022-08-01
Activities	250\$	Nablus/Makhfieh	2022-06-01

Figure 54:Expense payments for each office

Tracking the company's expenses

< HIRED EMPLOYEES HISTORY OF SALARIES PAYMENTS HISTORY OF BRANCHES PAYMENTS **HISTORY OF INCOME PAYMENTS** EXPEI >

PDF Export Excel Export

Type	Amount	Office	Date
Project1	3000\$		2022-07-03
Project2	5000\$		2022-08-01
project5	4000\$	Nablus/Makhfieh	2022-05-12
project4	5000\$	Ramalla/alMasion	2022-03-01
Project2	10000\$		2022-08-02
Project1	10000\$	Nablus/Makhfieh	2022-08-01
project4	3000\$	Nablus/Makhfieh	2022-08-01

Figure 55: Income payments

Expense tracker

We choose date range and press expense tracker to show pie charts represents this period of time:

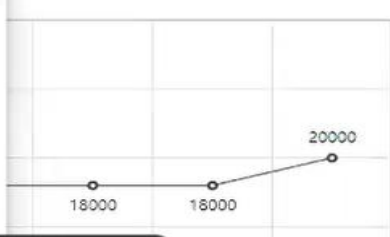
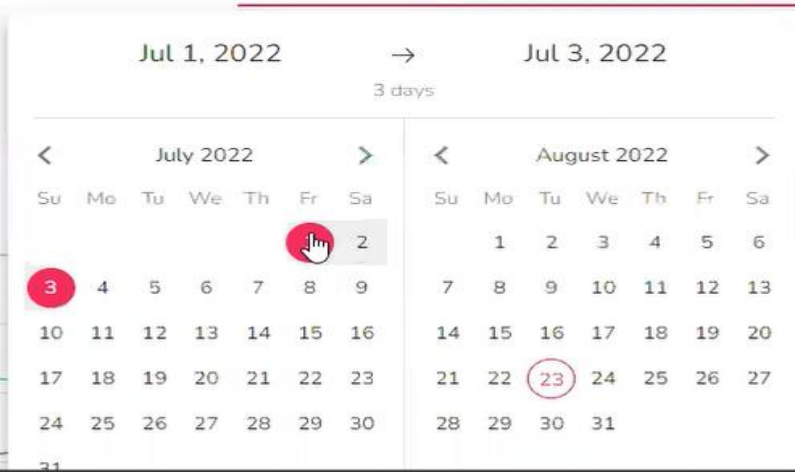
Tracking the company's expenses

< YEES HISTORY OF SALARIES PAYMENTS HISTORY OF BRANCHES PAYMENTS HISTORY OF INCOME PAYMENTS **EXPENSE TRACKER** >

7/1/2022 - 7/3/2022

SHOW EXPENSE TRACKER

7/1/2022 - 7/3/2022



7/1/2022 - 8/1/2022



SHOW EXPENSE TRACKS

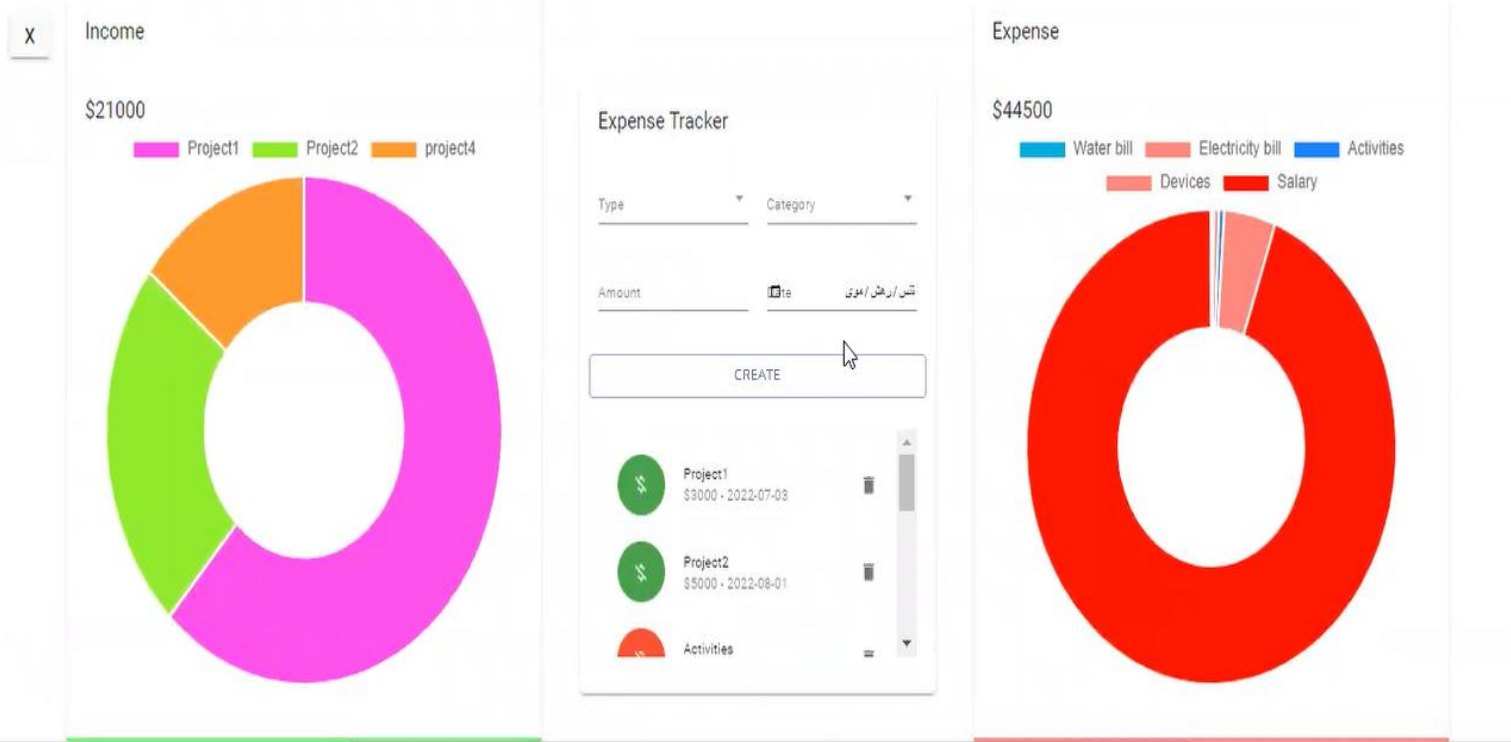


Figure 56:Expense tracker

Recruitment

Post new job: the responsible manager will be notified

Announcing new jobs



Check the posted jobs by visiting this link: [Click Here](#)

Post new job

Note: when posting a new job the responsible manager will be notified immediately

Title


Select Responsible manager

Normal  **B** *I* U    

write your description...

Title
senior newtowrk engineer

ida bustami

Normal  **B** *I* U    

Requirments

fvfgtb

rgvrjly
fvrvr

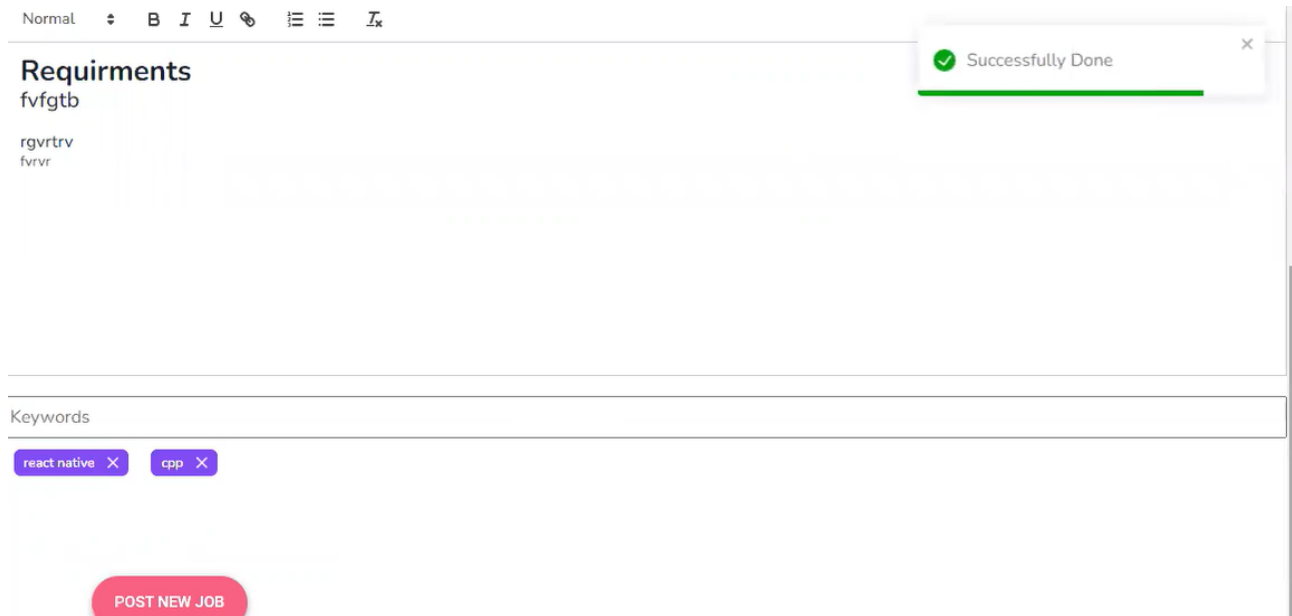
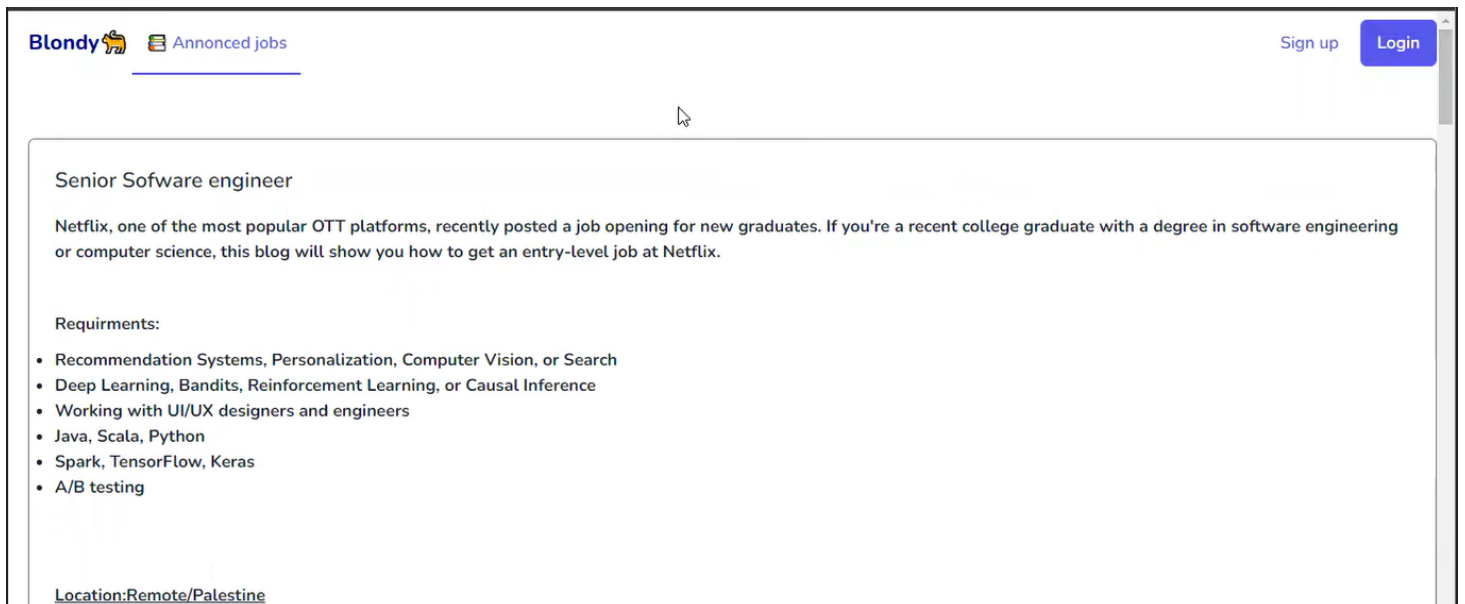


Figure 57:Post new job

The company's site to apply for jobs:

No one can apply for the job if not signed in



Sign up

l111@yahoo.com

.....

0598456482

 Sing Up

Figure 58:sign up applicant



Login to Your Account

ahmad@yahho.com

.....

Sing In 

Figure 59:applicant sign in

Blondy  [Announced jobs](#)  ahmad@yahho.com [Applied jobs History](#) [Log out](#)

Senior Software engineer

Netflix, one of the most popular OTT platforms, recently posted a job opening for new graduates. If you're a recent college graduate with a degree in software engineering or computer science, this blog will show you how to get an entry-level job at Netflix.

Requirments:

- Recommendation Systems, Personalization, Computer Vision, or Search
- Deep Learning, Bandits, Reinforcement Learning, or Causal Inference
- Working with UI/UX designers and engineers
- Java, Scala, Python
- Spark, TensorFlow, Keras
- A/B testing

Figure 60:Applicant home page

If applicant has already applied for job

- Recommendation Systems, Personalization, Computer Vision, or Search
- Deep Learning, Bandits, Reinforcement Learning, or Causal Inference
- Working with UI/UX designers and engineers
- Java, Scala, Python
- Spark, TensorFlow, Keras
- A/B testing

! you already applied for this job

Location:Remote/Palestine

Gitbub operation

Linux commands

Jenkins

Machine learning

2022-08-01

Apply

Apply for job for the first time:



Figure: Apply for job

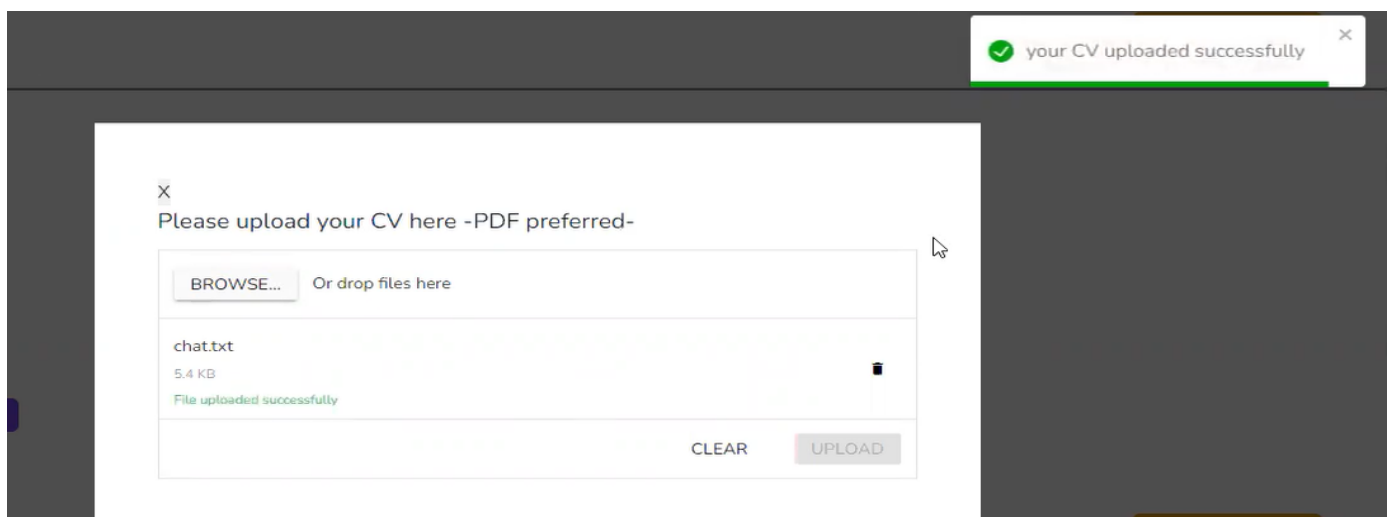


Figure 61:Applicant upload CV

Applicant applied jobs history:

Show all the applied jobs and the state of each job request.

The screenshot displays a user interface for tracking job applications. It features two job listings, each with a title, a description, requirements, and a status indicator.

Job Listing 1:

- Title:** Senior Software engineer
- Description:** Netflix, one of the most popular OTT platforms, recently posted a job opening for new graduates. If you're a recent college graduate with a degree in software engineering or computer science, this blog will show you how to get an entry-level job at Netflix.
- Requirements:**
 - Recommendation Systems, Personalization, Computer Vision, or Search
 - Deep Learning, Bandits, Reinforcement Learning, or Causal Inference
 - Working with UI/UX designers and engineers
 - Java, Scala, Python
 - Spark, TensorFlow, Keras
- Skills:** Github operation, Linux commands, Jenkins, Machine learning
- Status:** Rejected after second interview

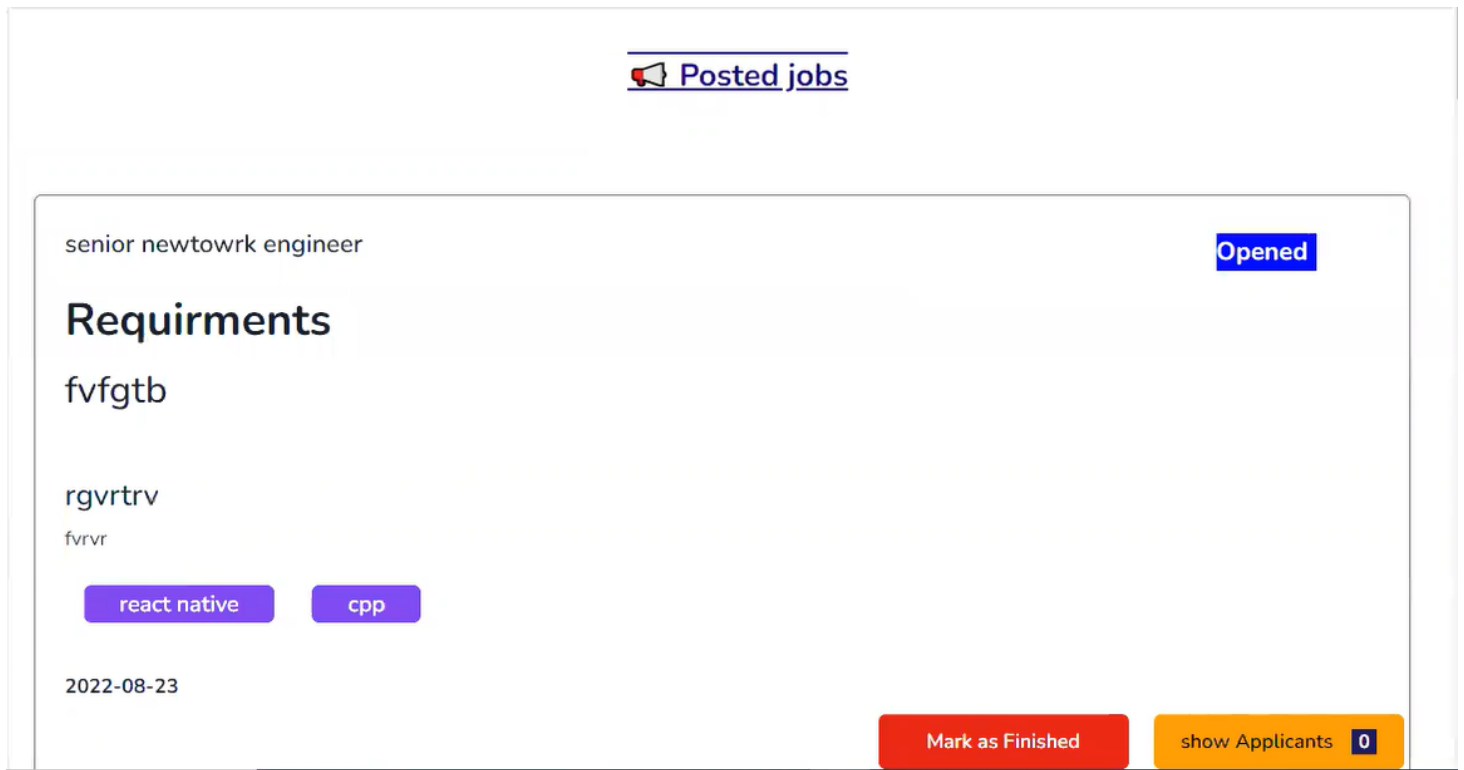
Job Listing 2:

- Title:** Senior Software engineer
- Description:** Netflix, one of the most popular OTT platforms, recently posted a job opening for new graduates. If you're a recent college graduate with a degree in software engineering or computer science, this blog will show you how to get an entry-level job at Netflix.
- Requirements:**
- Skills:** C#, Python, React/Angular, SQL database, Atlas
- Status:** Accepted for first interview



Figure 62:Applied jobs history

HR posted jobs page show all the jobs from recent to older jobs with their opening date and applicants



When press show applicants:

- Java, Scala, Python
- Spark, TensorFlow, Keras
- A/B testing

Location:Remote/Palestine

Gitbub operation

Linux commands

Jenkins

Machine learning

2022-08-01

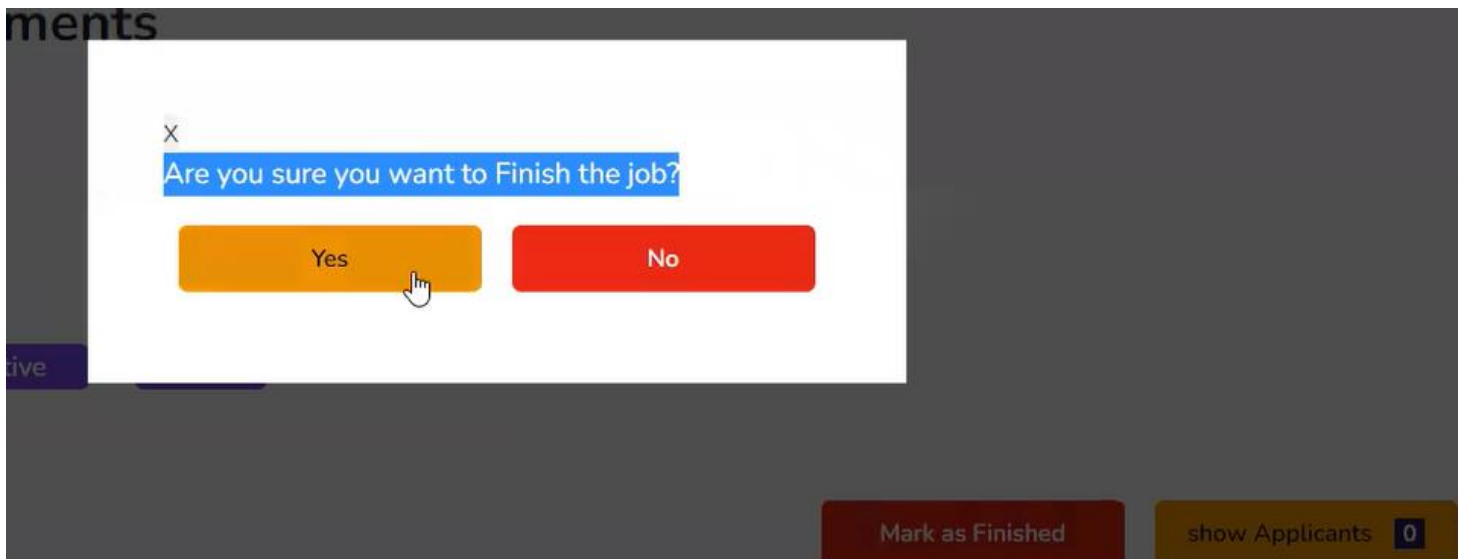
Mark as Finished

show Applicants **1**

Applicants Show:

ahmad@yahho.com Rejected after second interview gra_project.pdf

When Mark as finished is pressed:



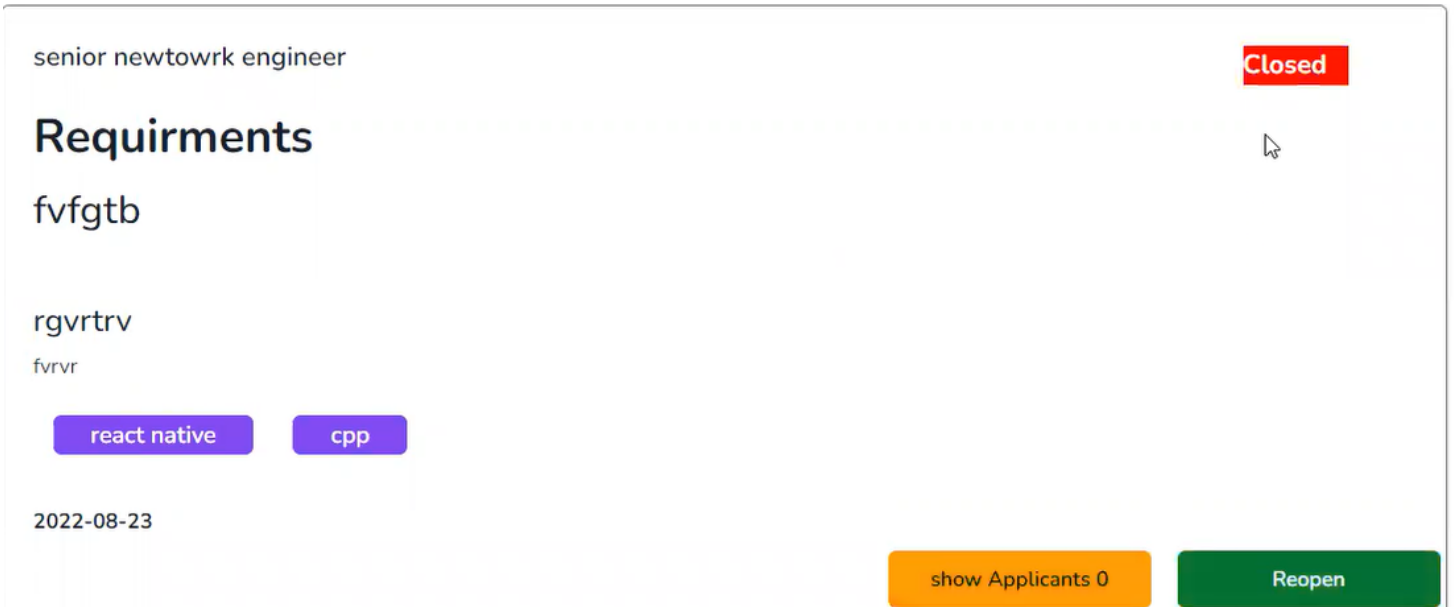
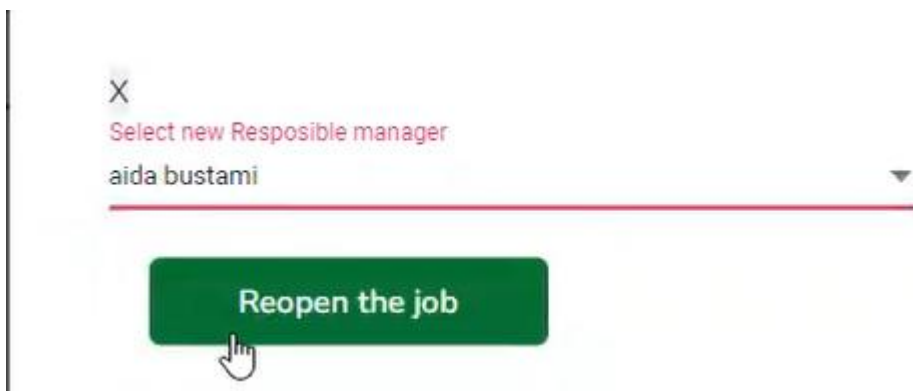
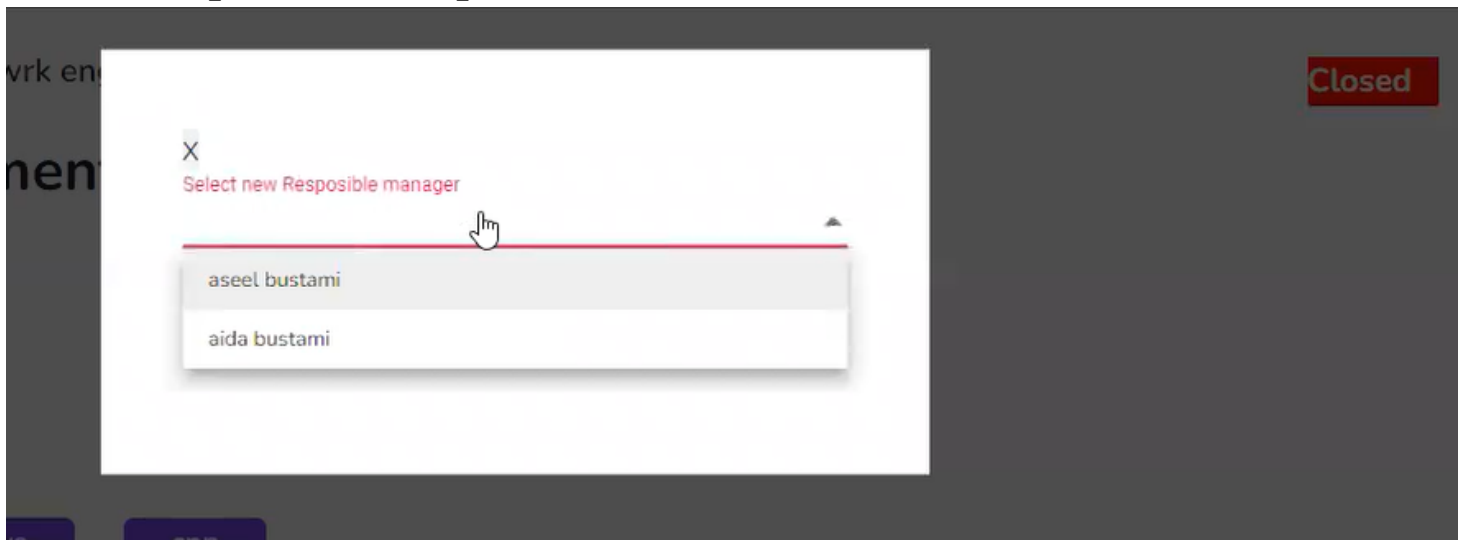


Figure 63:Mark as finished job

When Reopen button is pressed:



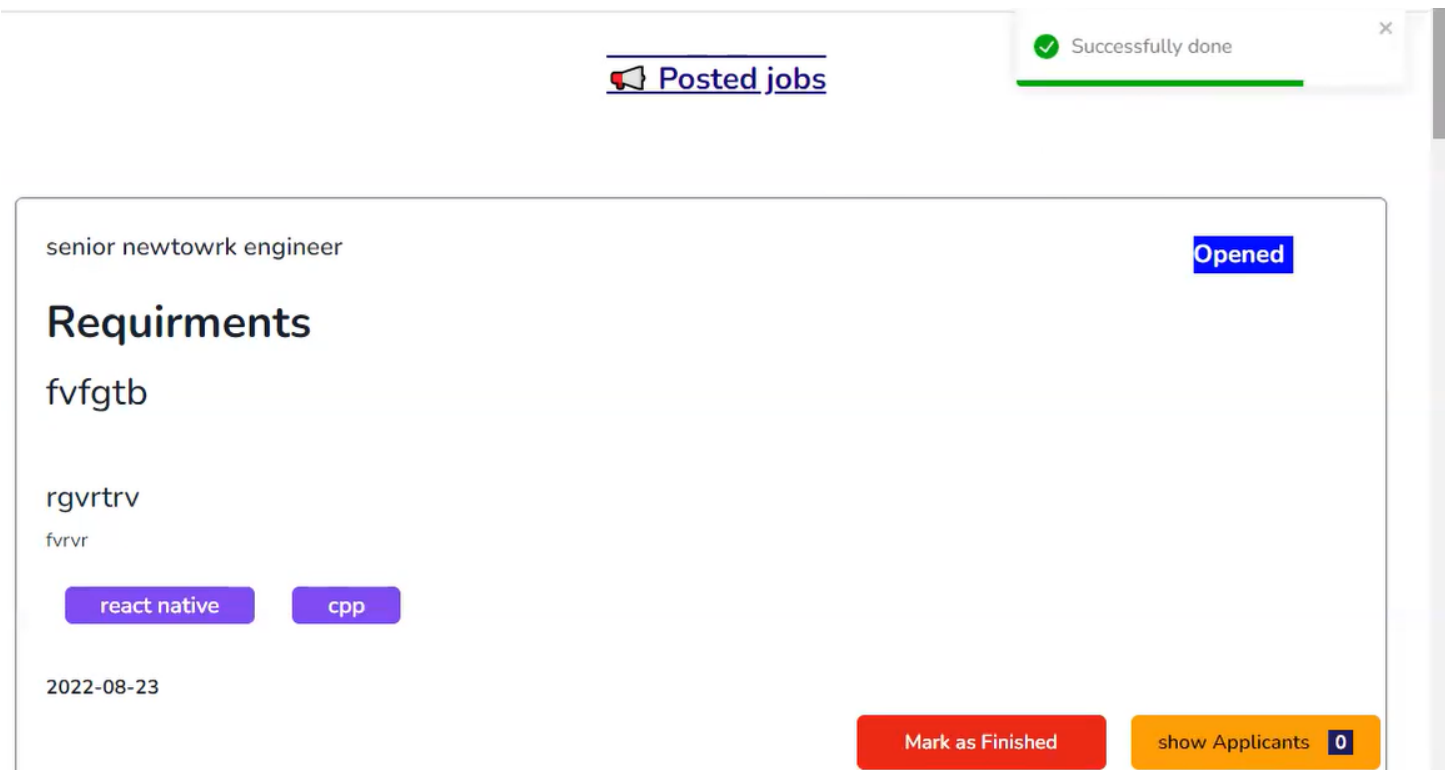


Figure 64:Reopen job

4.1.2 Human Resources Mobile App

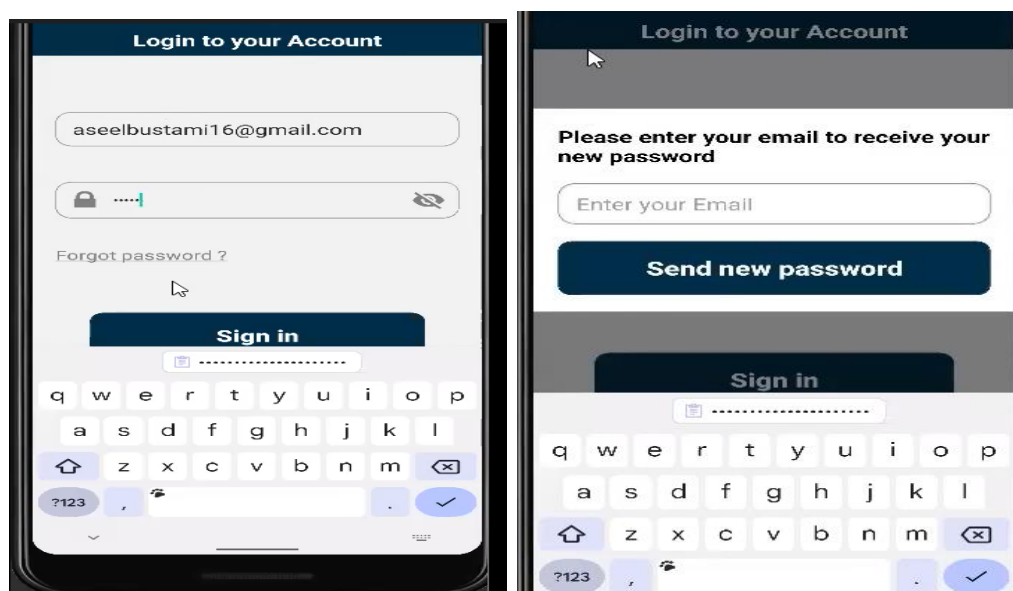


Figure 65:login and reset password

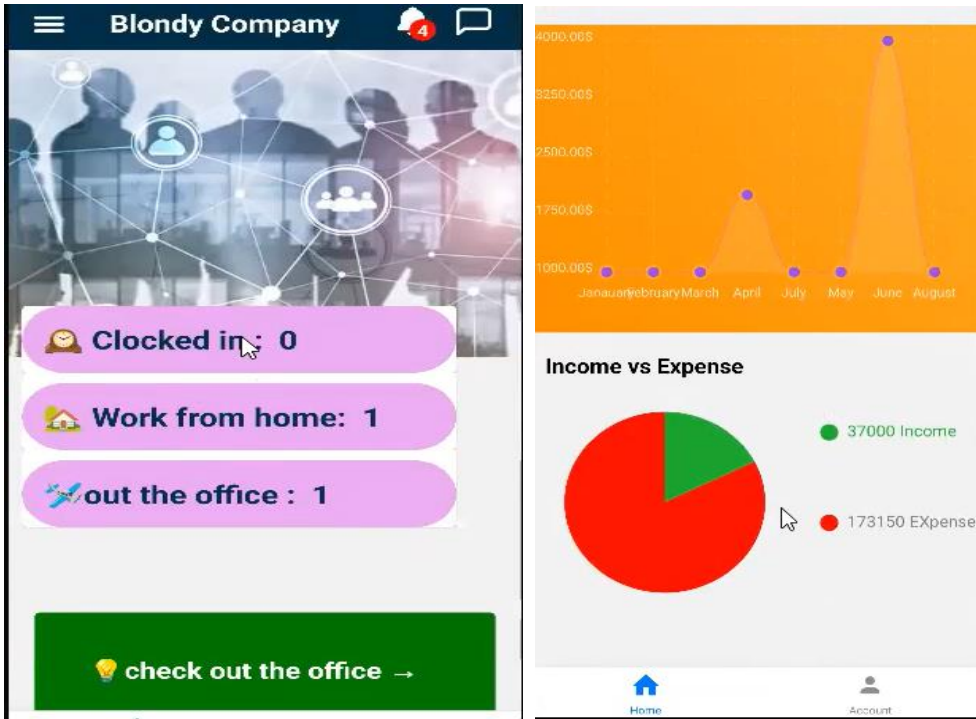


Figure 66: Home page

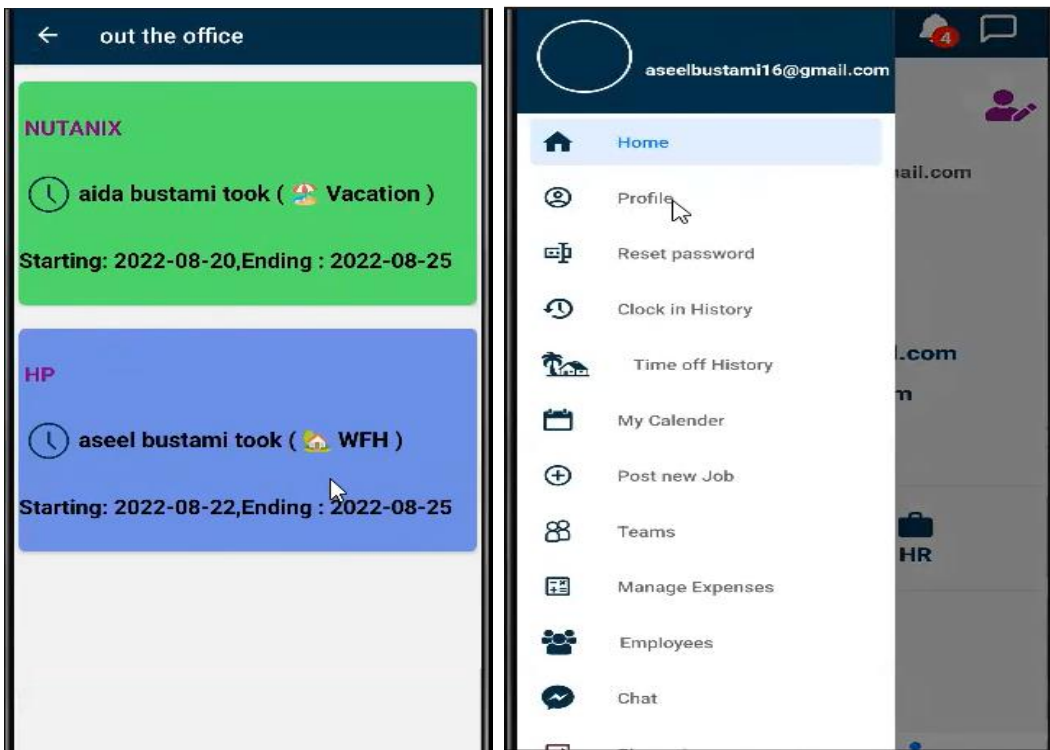


Figure 67: Out the office

Figure 68: Drawer navigator

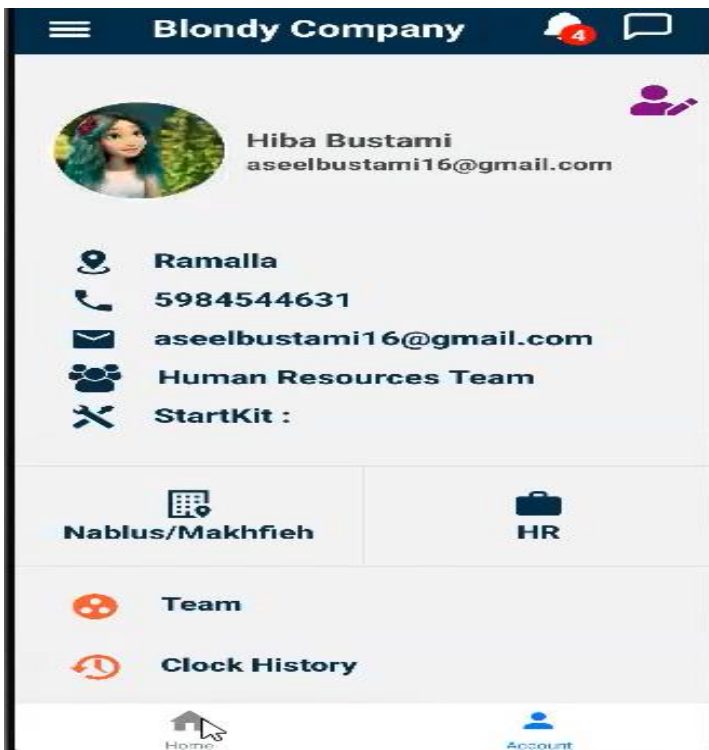


Figure 69: Profile

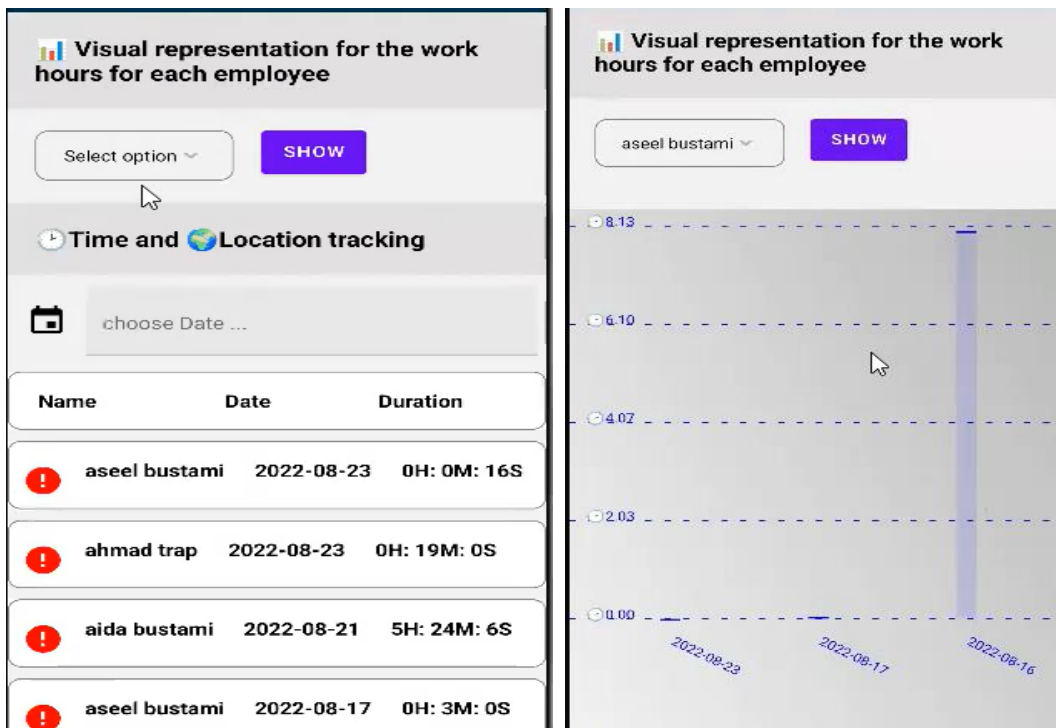


Figure 70 :Clock history and clock history chart for each employee

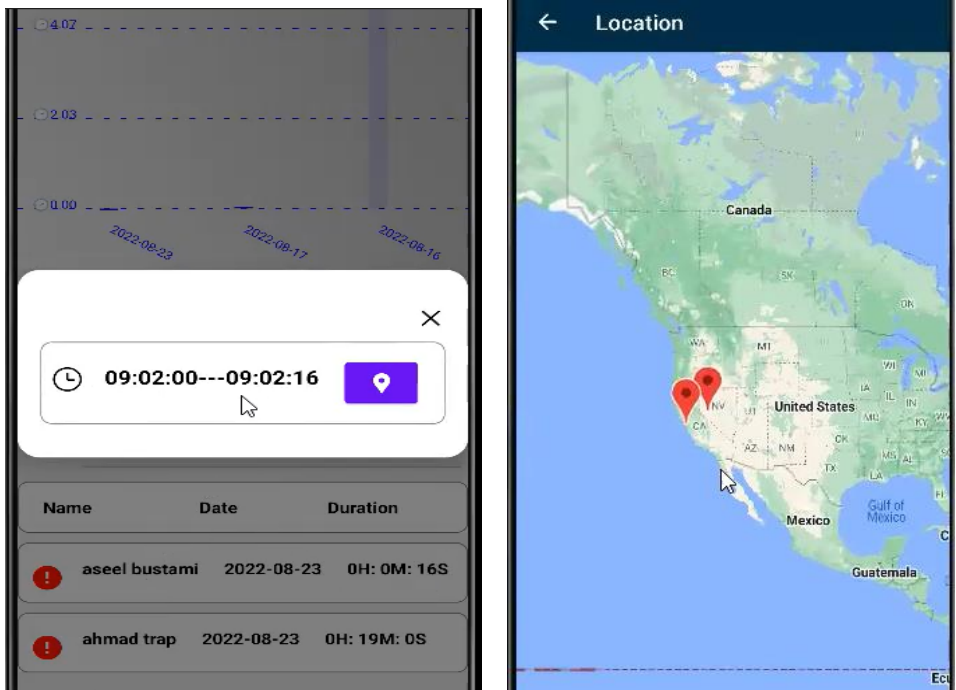


Figure 71: Work hours shifts and location tracking

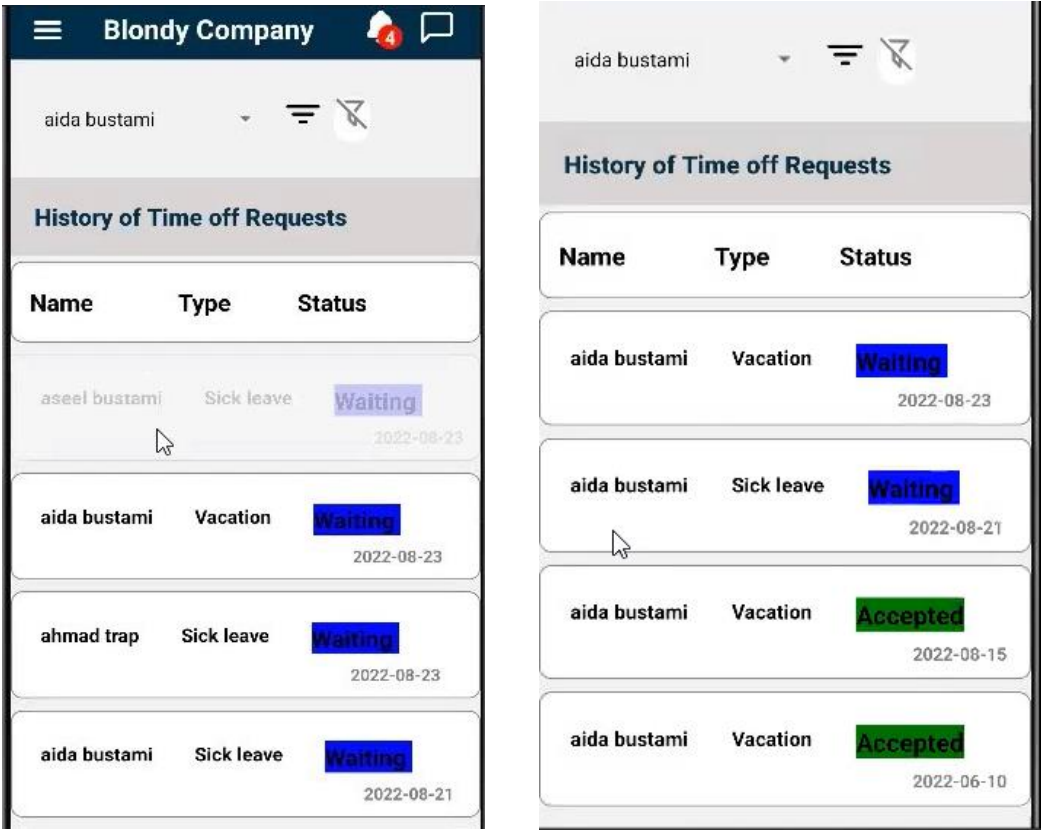


Figure 72: Time off requests history and search bar



Figure 73:Details of time off request

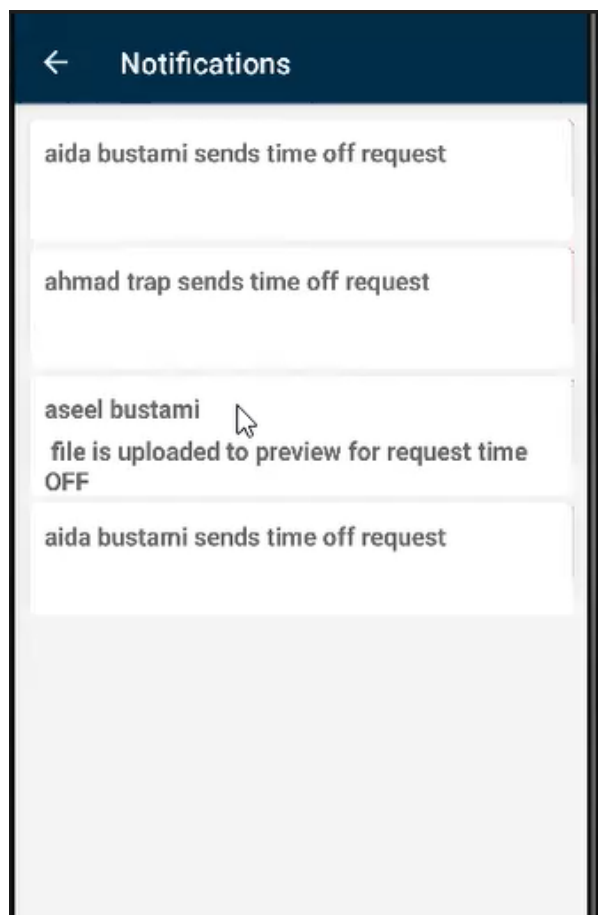


Figure 74:Notifications

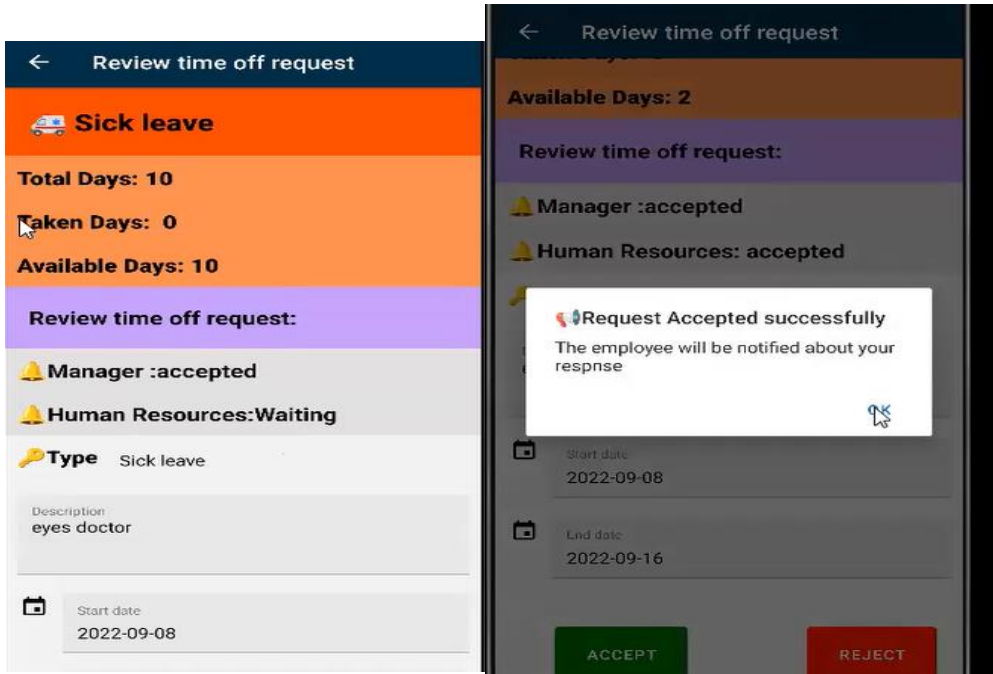


Figure 75:review time off request and accept it



Figure 76:Attached files to time off request

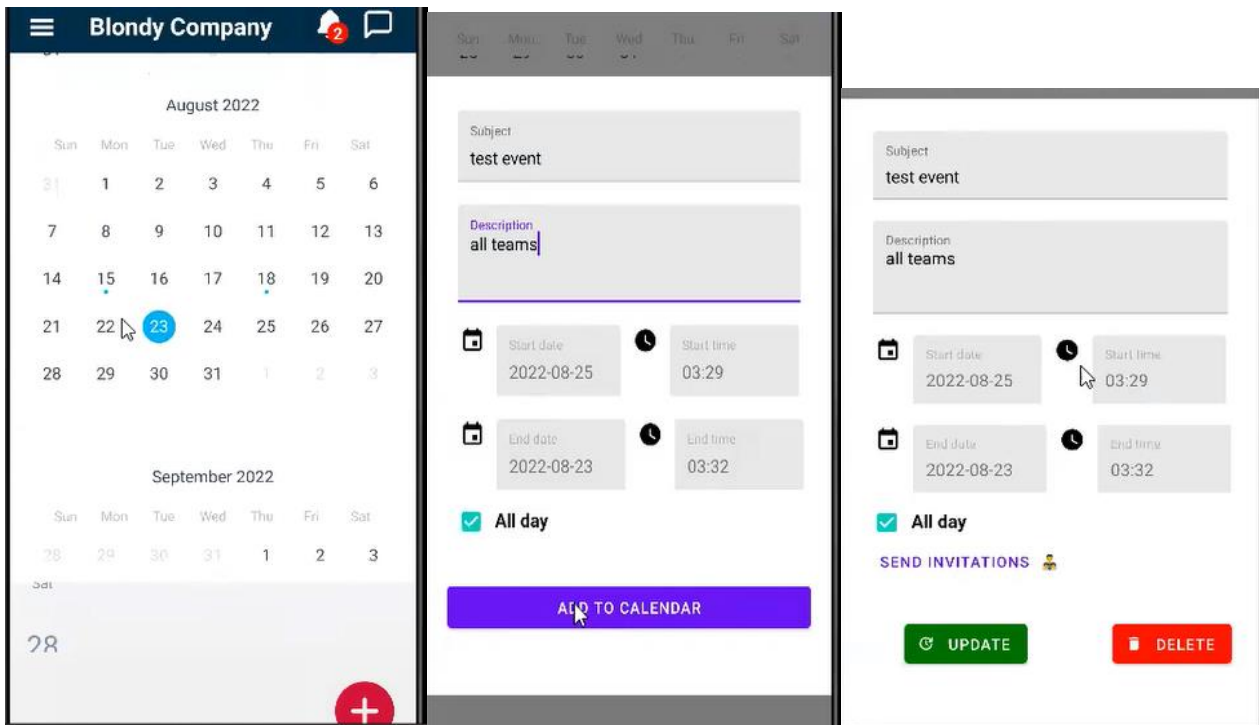


Figure 77: Calendar/add/delete/update and send invitation

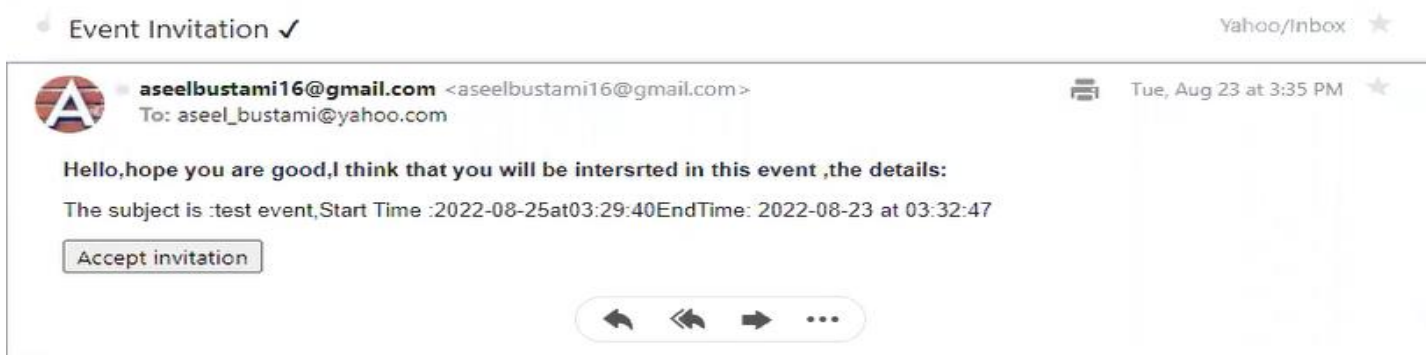
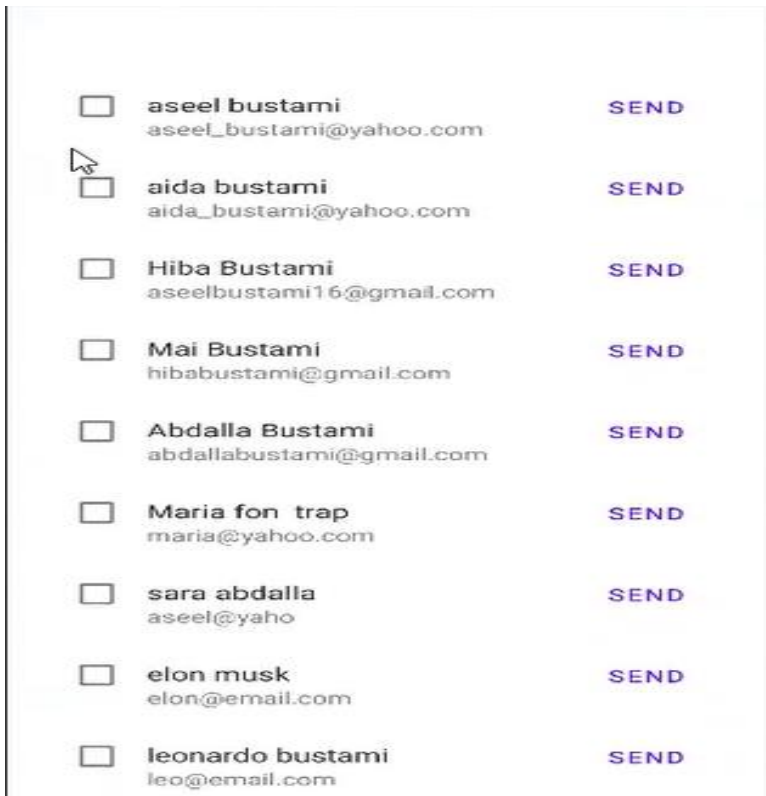


Figure 78: Send invitation and receive

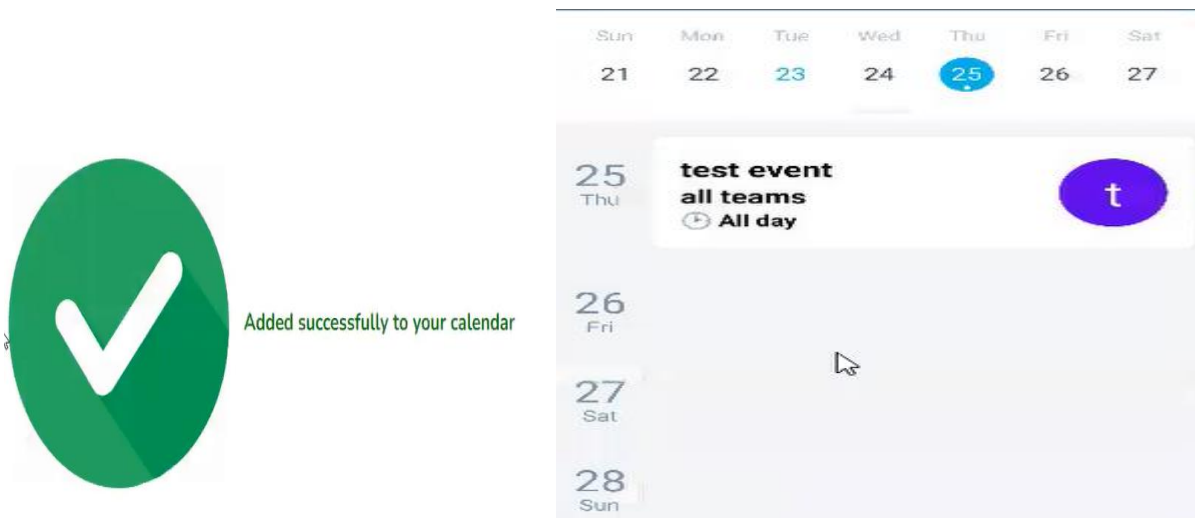


Figure 79: Accept invitation and add to calendar

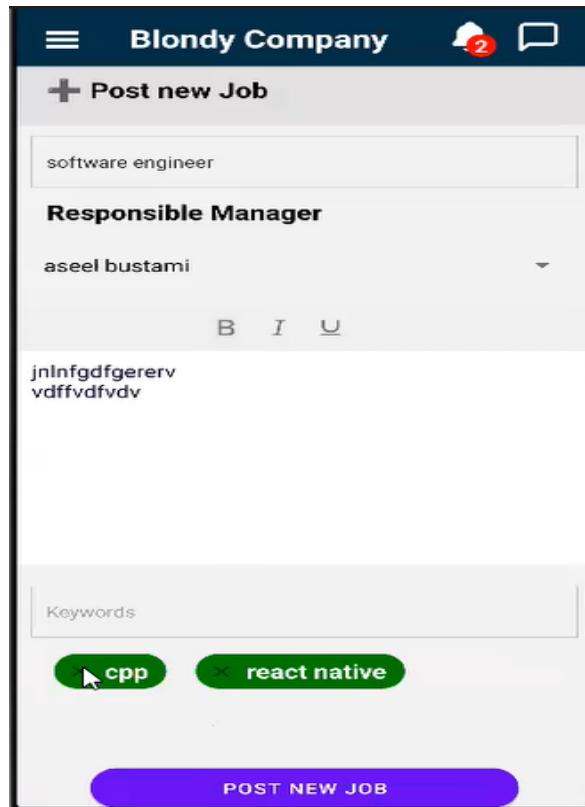


Figure 80: Post new job

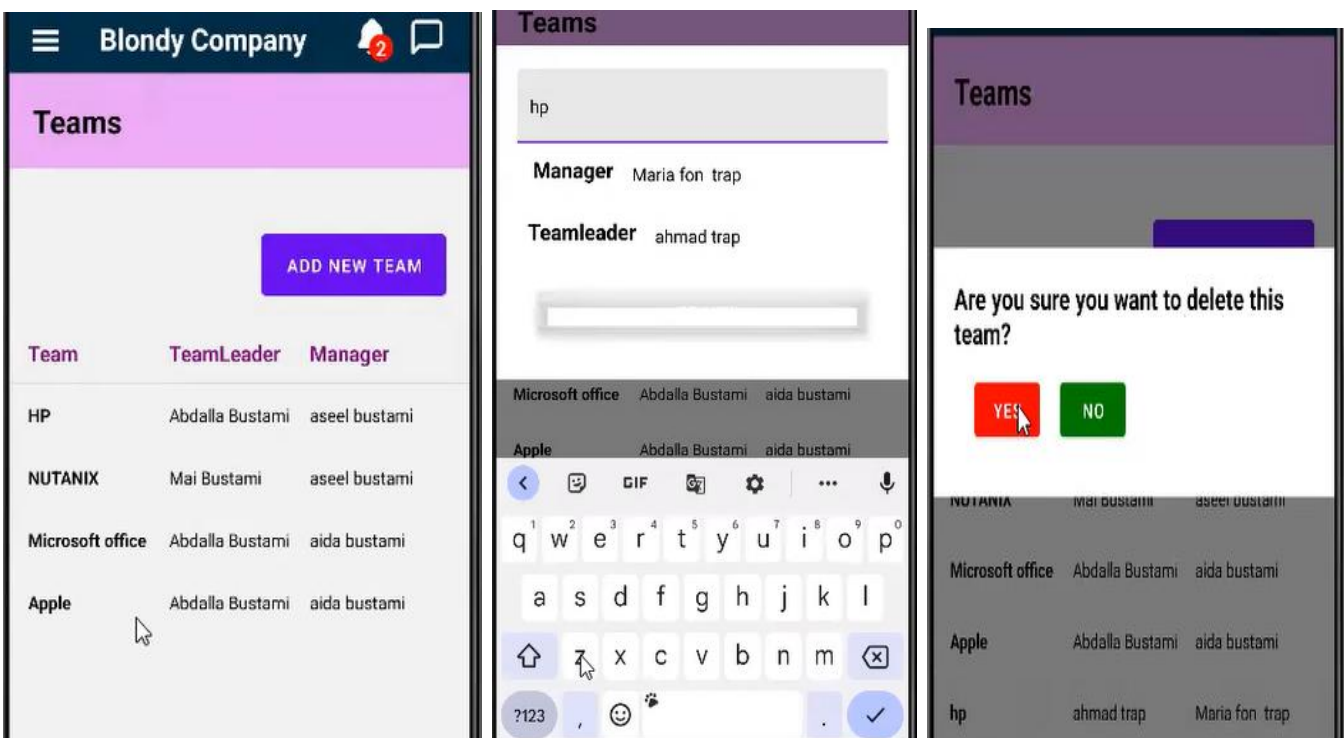


Figure 81: teams add/delete

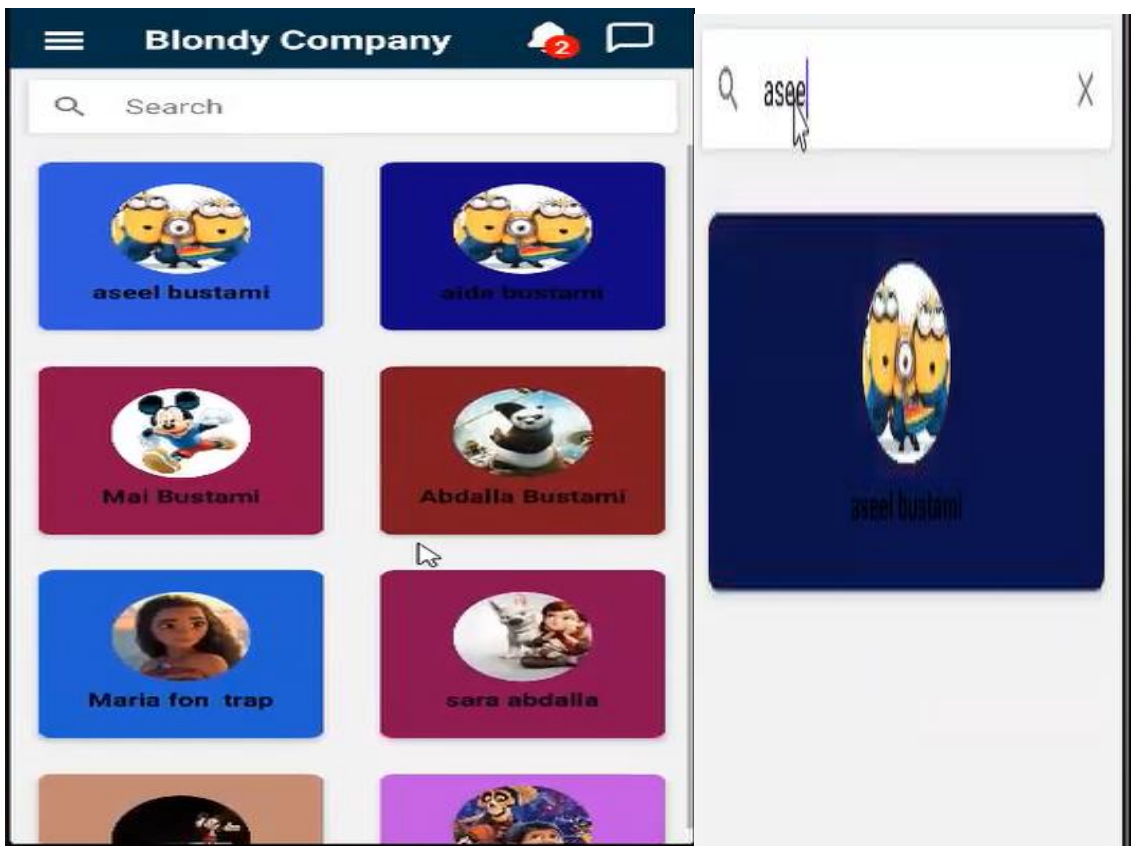


Figure 82:Employees and search bar

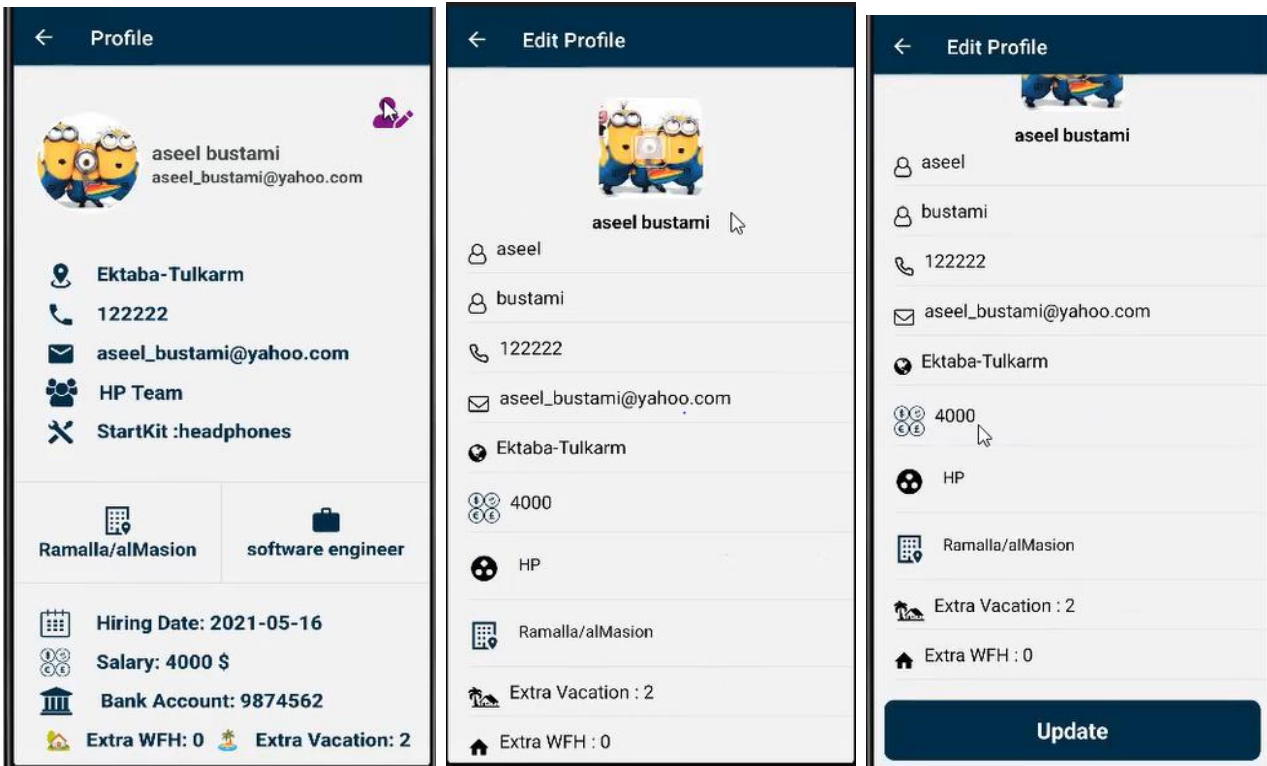


Figure 83:Employee Profile

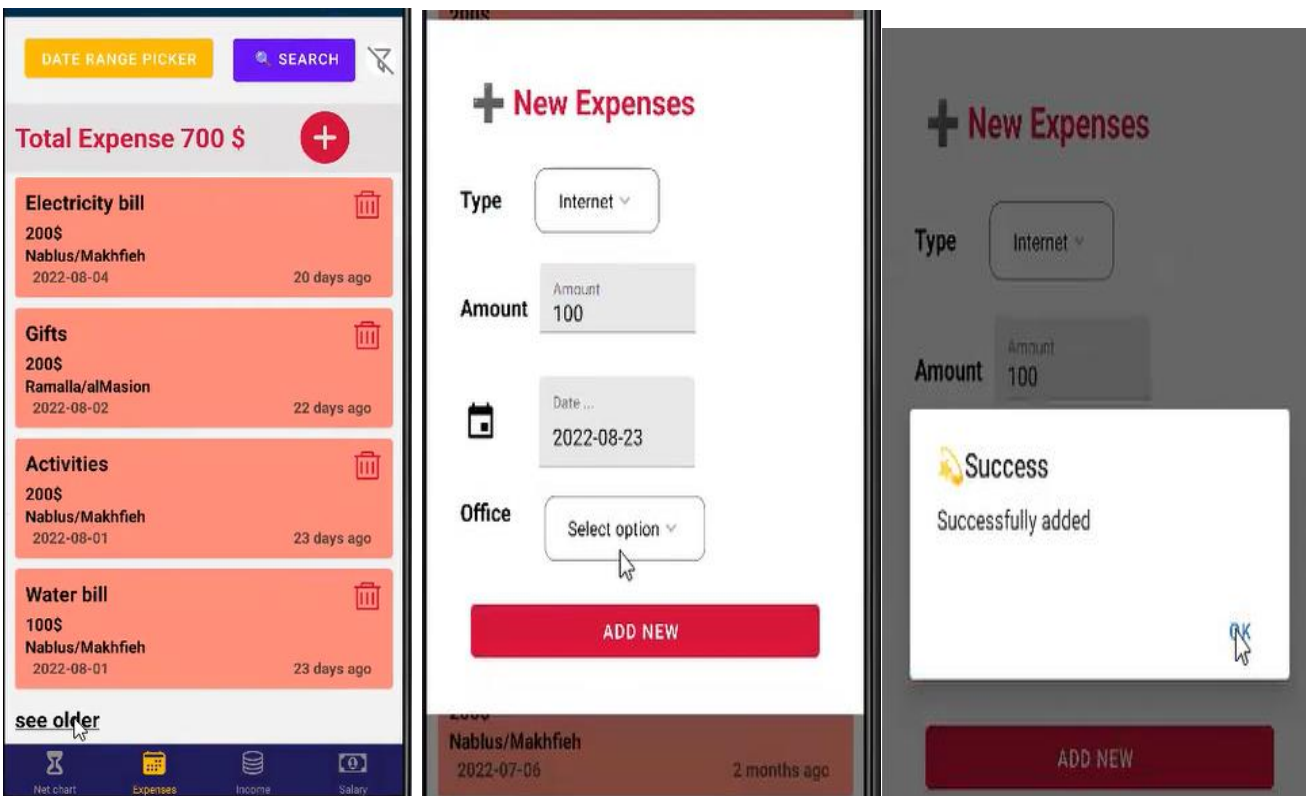


Figure 84: Add new Expense/delete bill

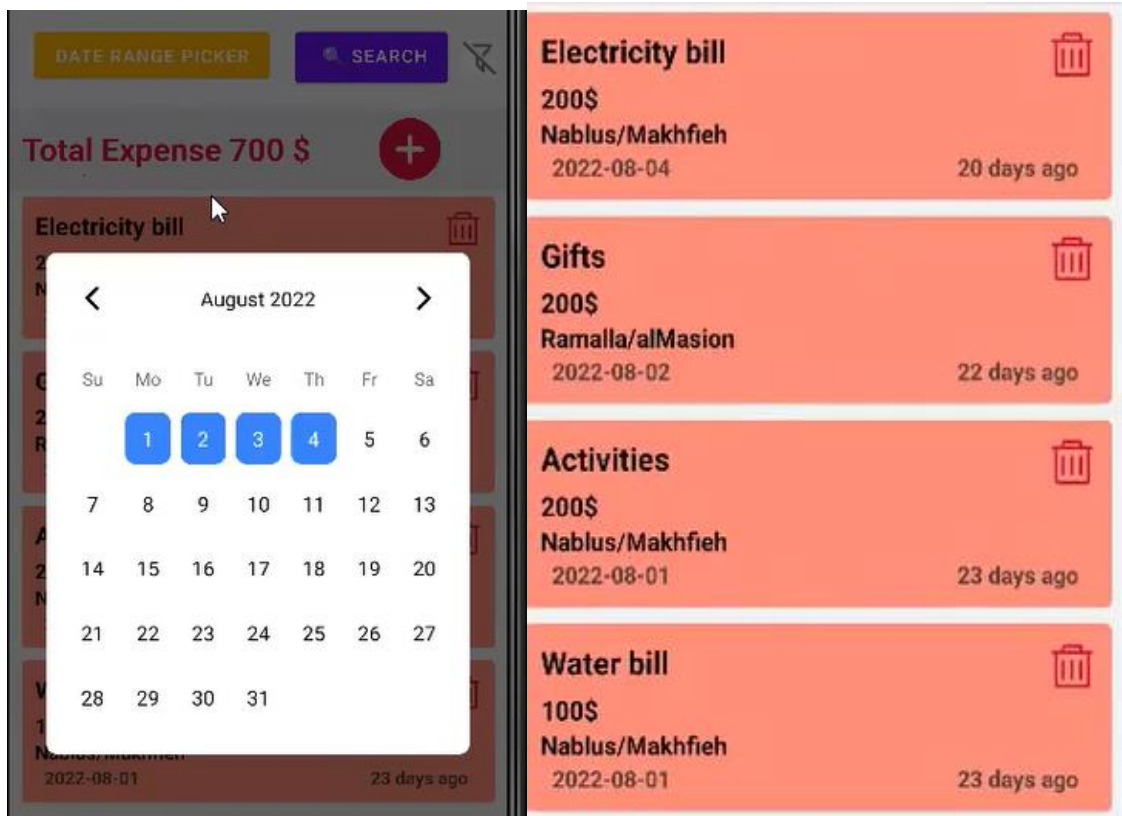


Figure 85:Date range picker and search

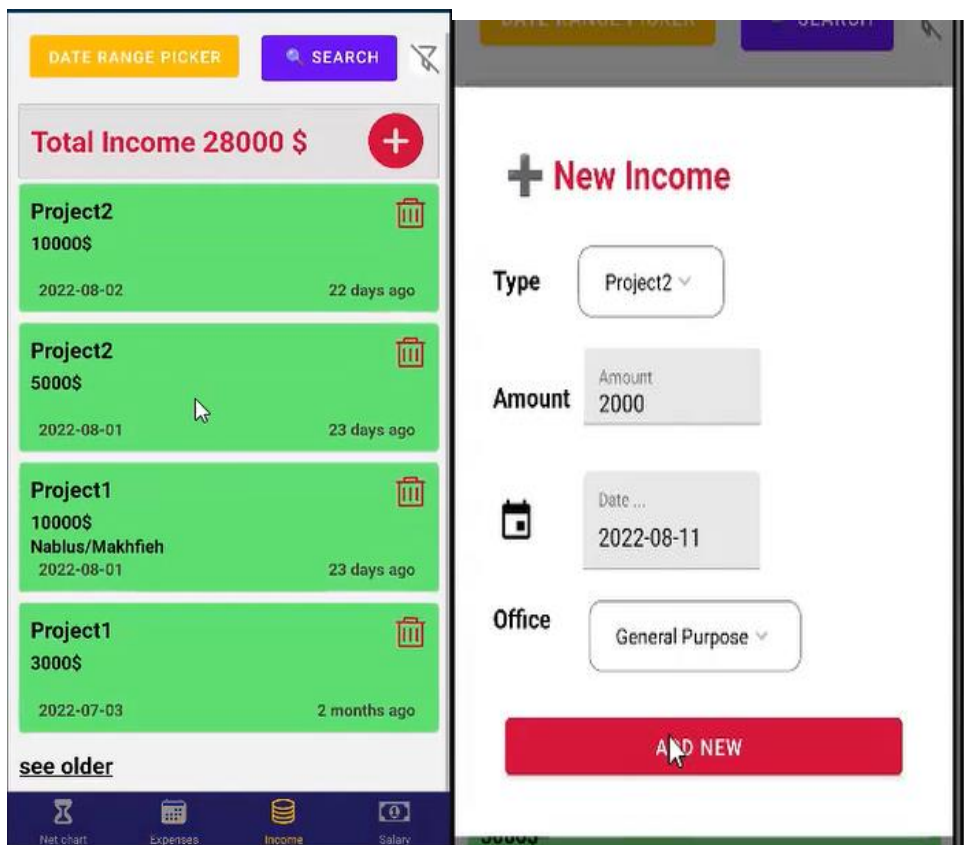


Figure 86:Income history/add income bill/delete bill

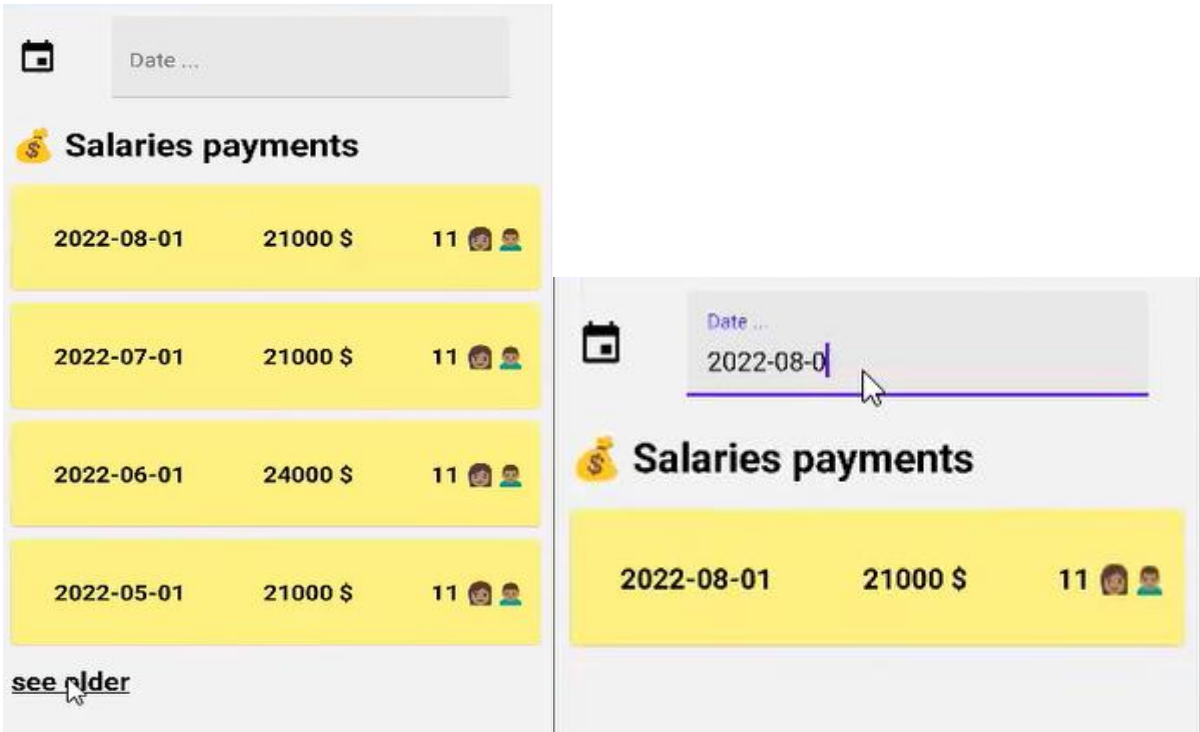


Figure 87: Salaries payments and search by date

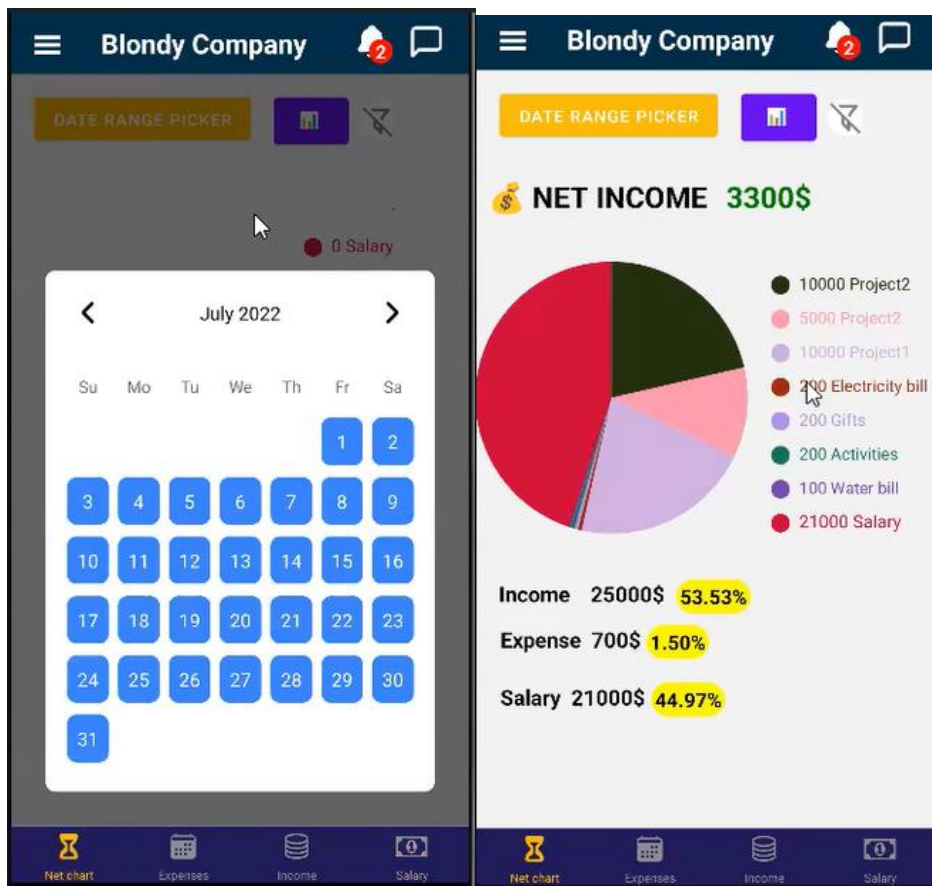


Figure 88: Manage Net Income

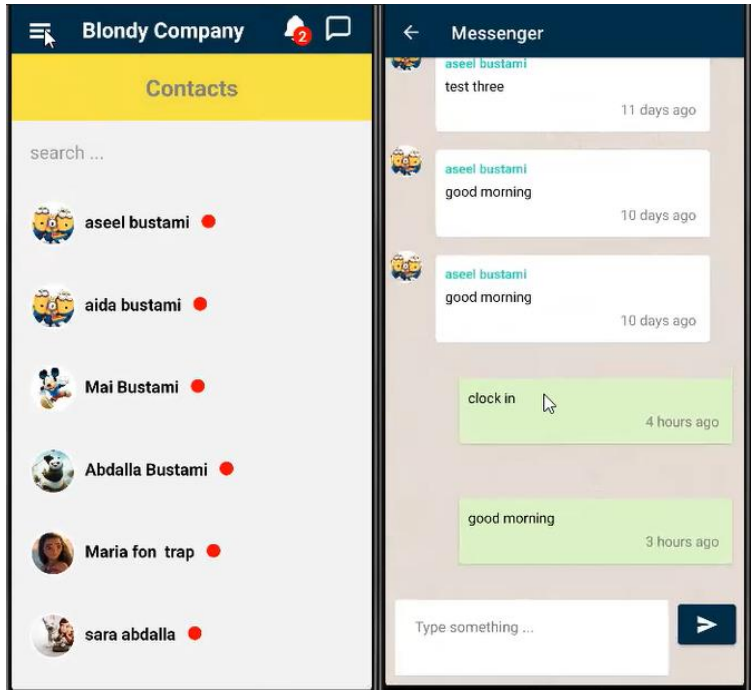


Figure 89: Chat List and conversation

4.1.3 Manager Mobile App

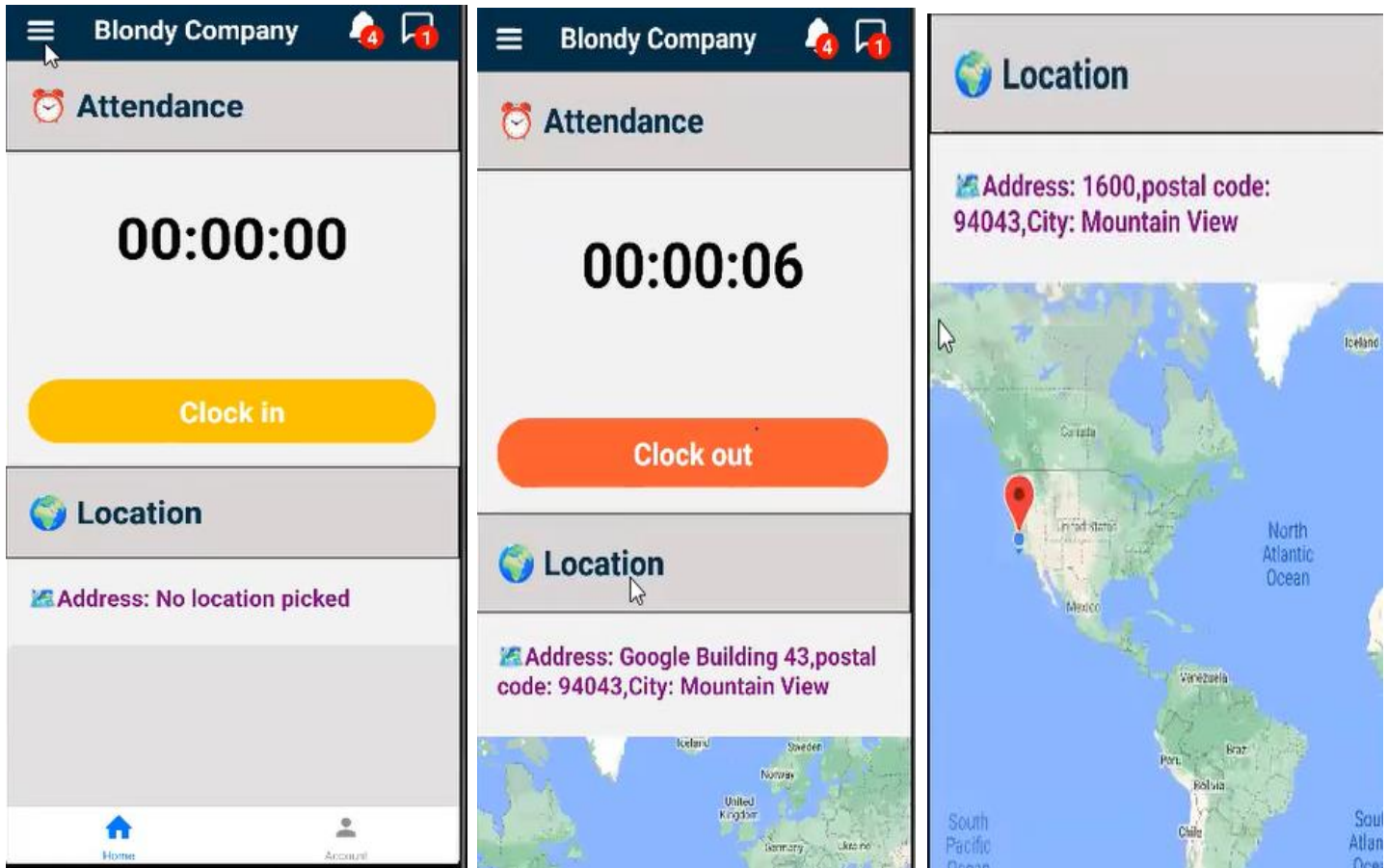


Figure 90: Home screen/clock in and save location

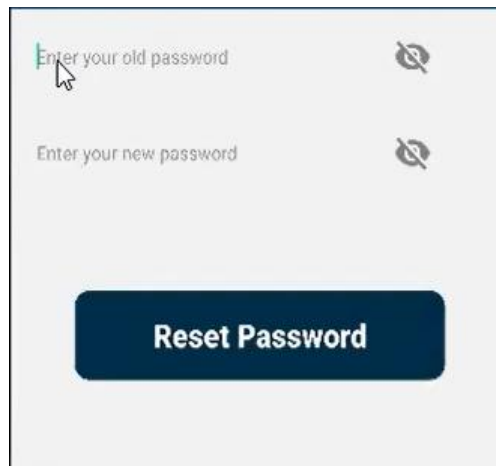


Figure 91: Reset password

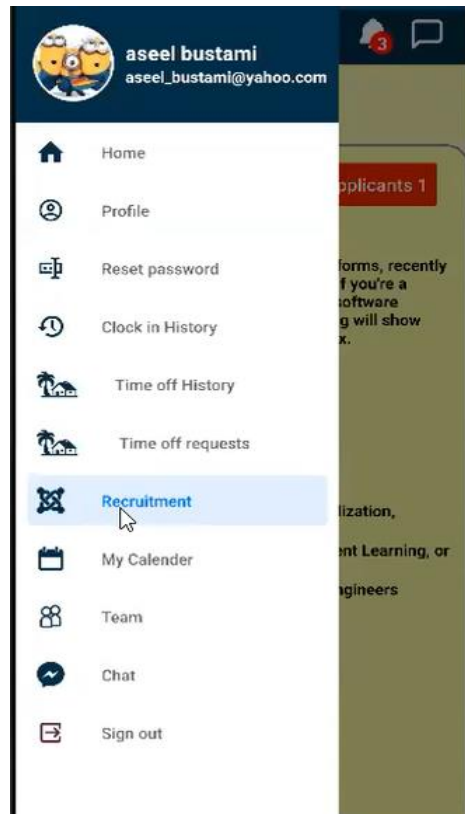


Figure 92:Drawer navigator

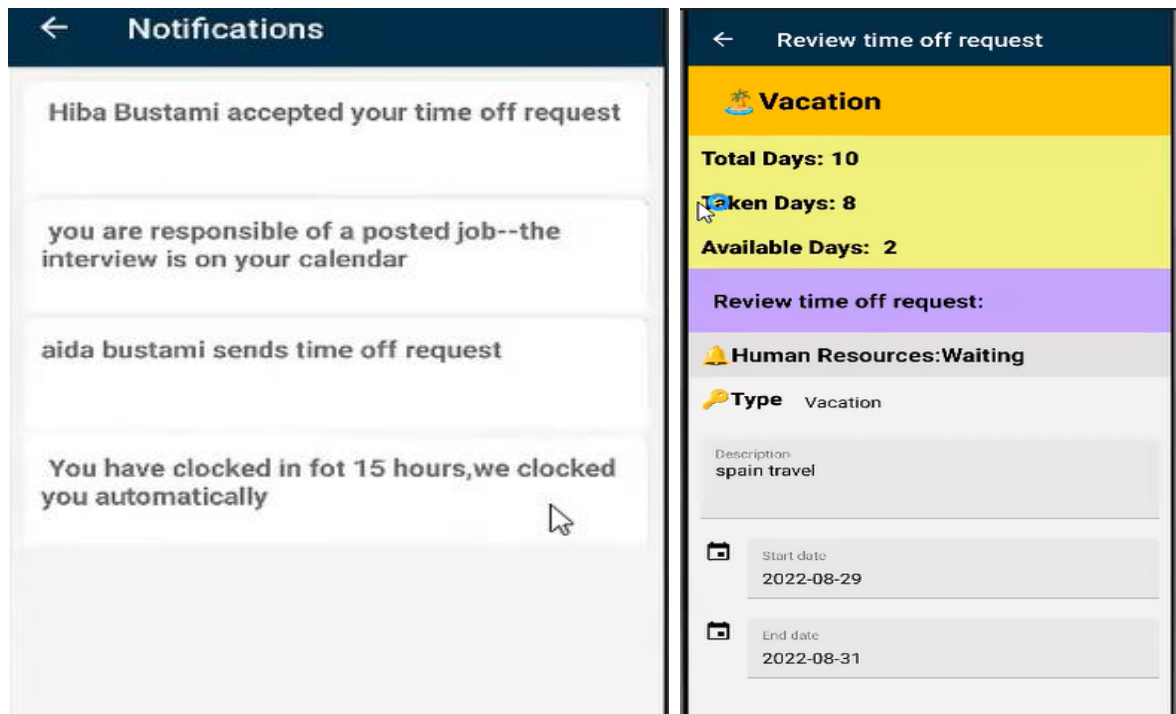


Figure 93:Notifications/send time off request

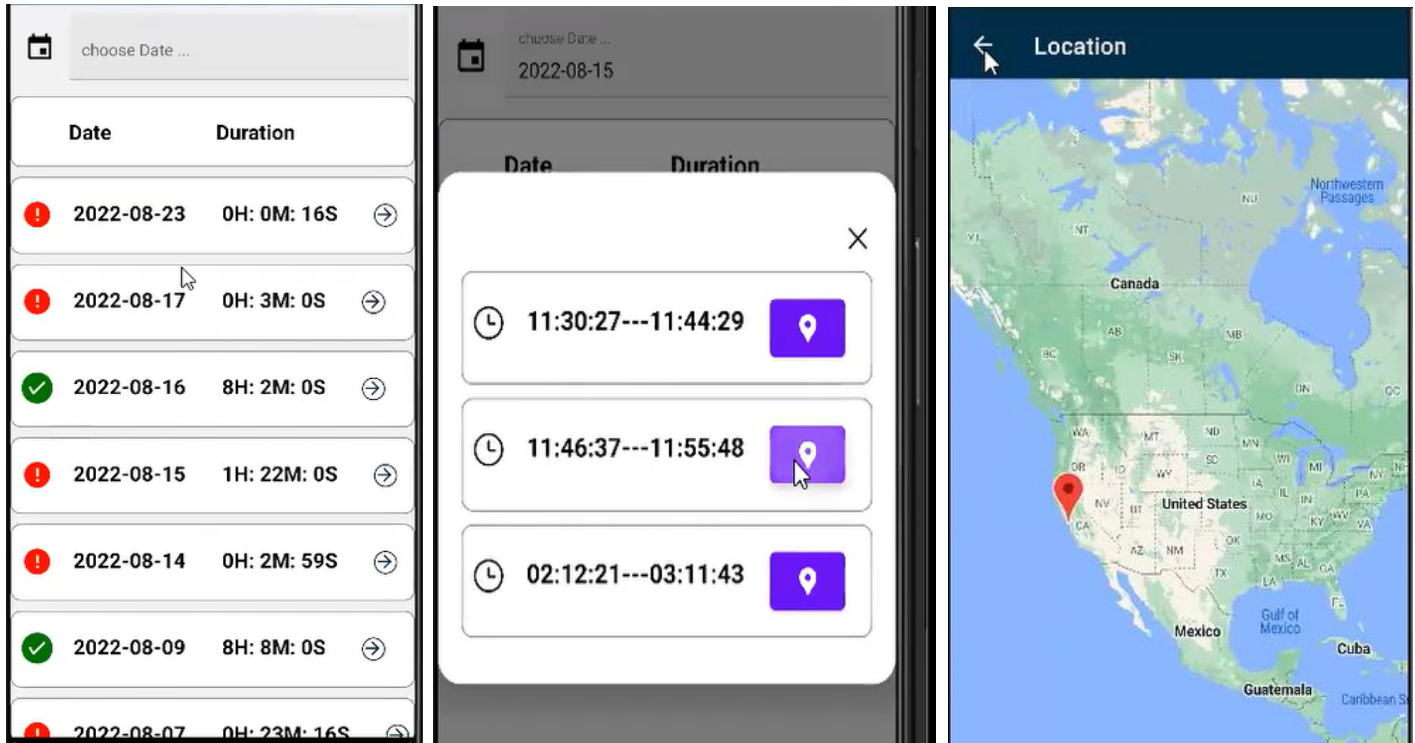


Figure 94:Clock history/shifts management/Location

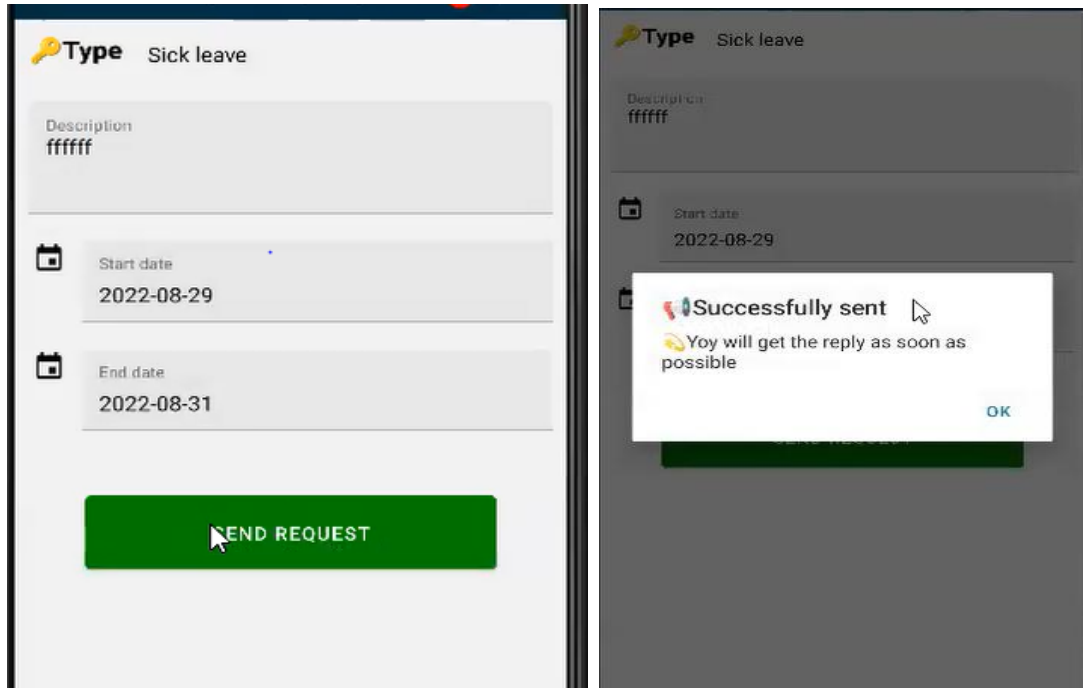


Figure 95:Send request off



Figure 96: Time off history request

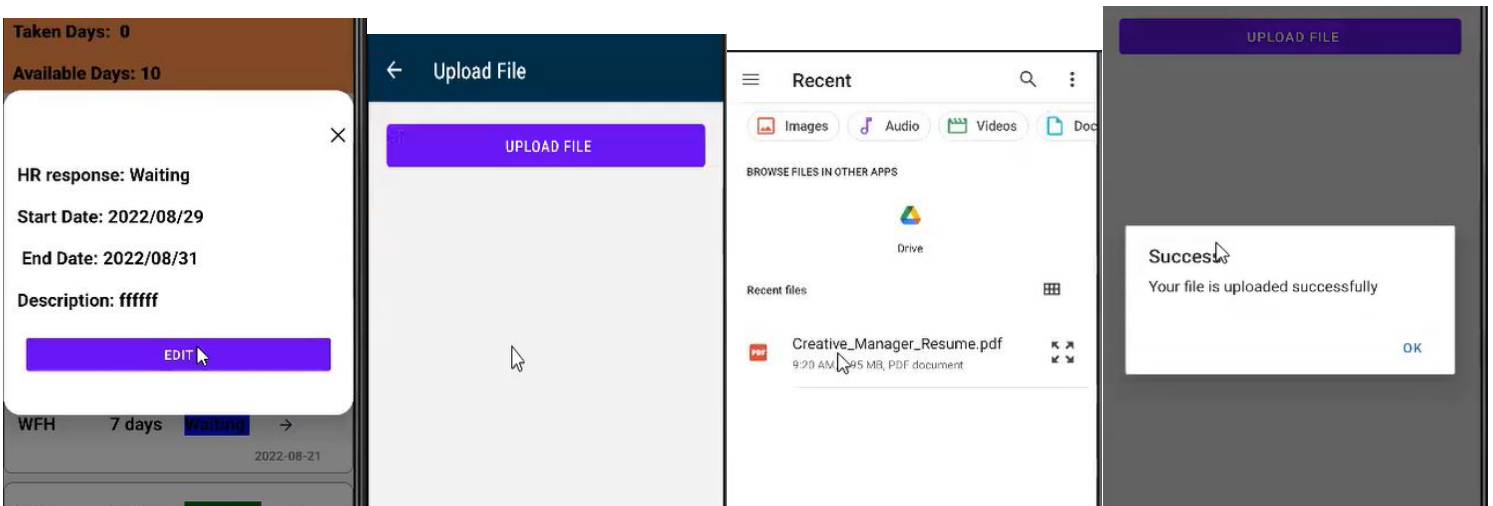


Figure 97: Details of request/edit the request by uploading a file

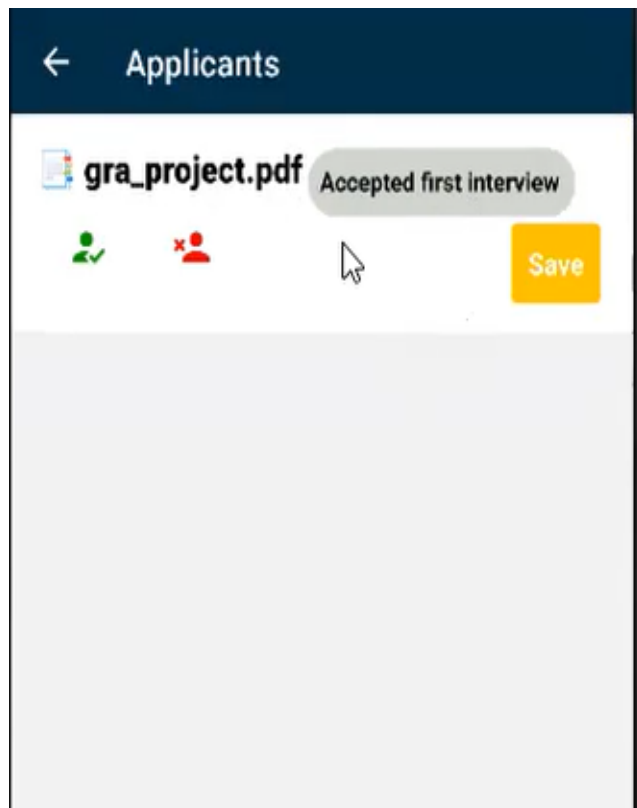


Figure 98:Recruitment/responsible jobs details and applicants

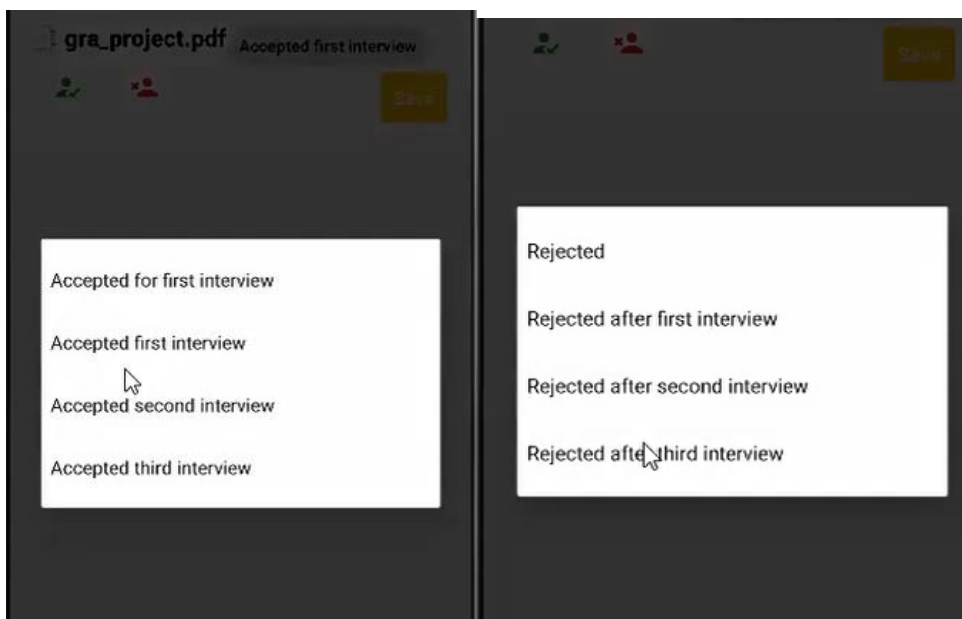


Figure 99:Evaluation of manager for the applicant

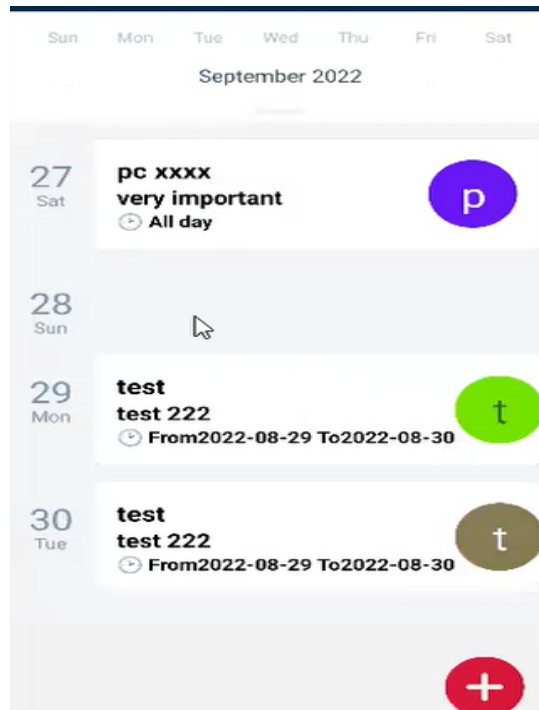


Figure 100:ADD/update/delete event



Figure 101:team

4.1.4 Employee Mobile App

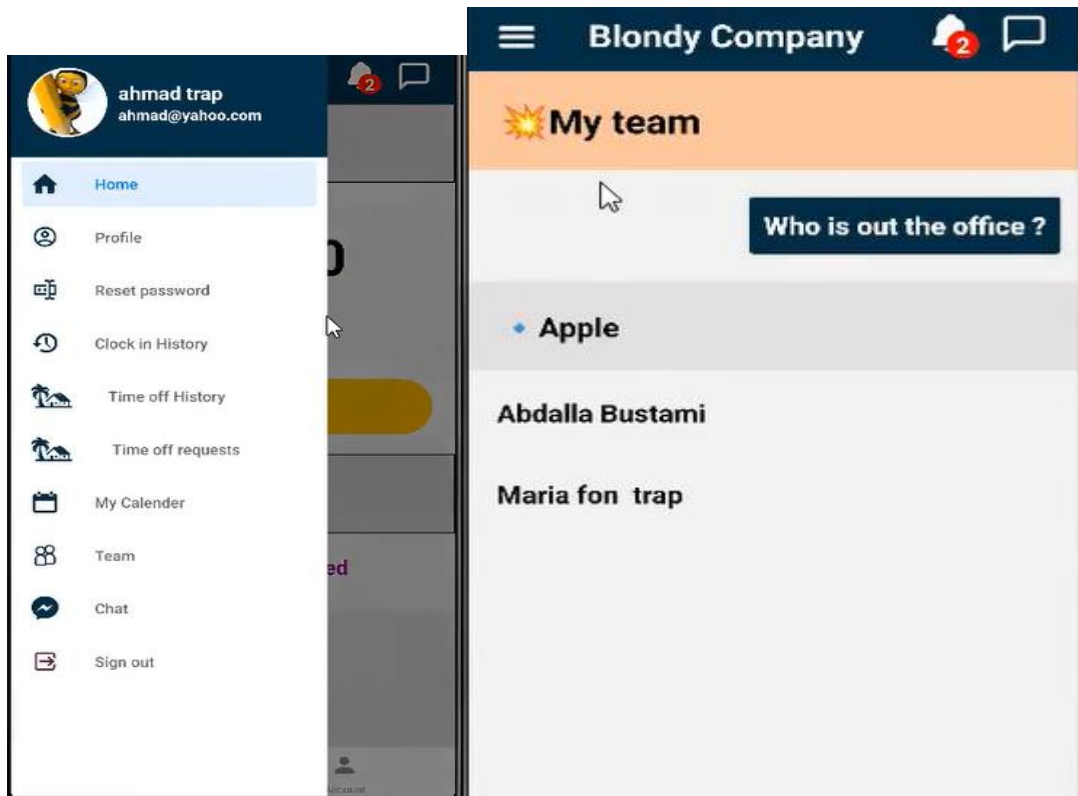


Figure 102 : Employee drawer navigator / team page

It does not have Recruitment page and can see the status of his member team only

Chapter 5: Conclusion and Future work

Conclusion

To summarize what has been discussed, We believe that human resources management system is critical system that each organization must have to ensure having more accurate statistics and results that keep the company focused on its goals and have the most effective and efficient work environment ,our app facilitate this need by relying on self-service to make it easier for the HR to track employees work hours , location, time off requests ,meetings ,Expenses for the office ...

Future Work:

There are some features that will be a good improvement in our system, this features is listed as follows:

1-Smart system that suggests the best available time slot to create interview depends on The room availability and the interviewer schedule.

2- In case the recruitment interview is delayed or cancelled find the best matching time=> having available manger and room.

Attachment A:

Disclaimer

This report was written by students at the Computer Engineering Department, Faculty of Engineering, An-Najah National University. It has not been altered -or corrected, other than editorial corrections, as a result of assessment and it may contain language as well as content errors. The views expressed in it together with any outcomes and recommendations are solely those of the students. An-Najah National University accepts no responsibility or liability for the consequences of this report being used for a purpose other than the purpose for which it was commissioned.

References

Factorial HR :

August 24, 2022, from

https://www.youtube.com/watch?v=3Bpi_GSK89U

Syncfusion Company :

August 24, 2022, from <https://www.syncfusion.com/>

react-native-maps problem it appears as grey:

August 18, 2022, from

<https://github.com/expo/expo/issues/18554>

React-native-vector-icons

July 20, 2022, from <https://oblador.github.io/react-native-vector-icons/>

Expo Libraries and documentation

July 15, 2022, from <https://docs.expo.dev/>