



An Najah National University
Faculty of Engineering & Information
Technology
Department of Computer Engineering
Software Graduation Project 1

KIRA MANAGEMENT SYSTEM



Prepared by:

Anwar Mustafa Baker

Nimer Ziad Assad

Supervised by:

Dr.Abdallah Rashed && Dr.Haya Samaana

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Acknowledgment

We extend our sincere gratitude to everyone who supported the successful creation of *Kira Management system*, a Task Management System website and mobile app. Special thanks to our academic supervisor, Dr.Haya Samaana and Dr.Abdallah Rashed , for their valuable guidance and encouragement throughout the project. As the developers, we take pride in building this app to support the IT Companies in Palestine.

We are especially grateful to our families and friends for their unwavering motivation and support.

Finally, we appreciate everyone who offered feedback and encouragement during our development journey.

Abstract

Kira is a management system designed for IT companies, controlling tasks and projects. It also provides a chat system for employees and trainers, allowing them to upload their files. One of its key features is an AI system that filters the resumes of trainers and job applicants based on their skills and years of experience and the other main feature is an AI assistant provided with system internally to help to users, and the user able to filter the emails depending anny thing he want like topic or title or time or whatever he want beacuse the system can be connected to the email of the user and he can arrange his emaila as he like, there are four user roles : Admin, HR, User, Trainer.

and ther other platform of the kira project is personal platform which designed to help the user to manage his daily task and its open for all people to use it and manage theirtime effeictively.

Kira is built using **MongoDB, REST Express Nodejs Framework** for the backend, **React Framework** for web and **Expo React Native** for mobile app.

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Chapter 1: Introduction

1.1 Statement of the Problem

We met with many computer science students who joined companies for practical training, and many of them told us about some of the problems they faced during the training and the problems that the company's platform suffers from, such as delivery problems and their lack of confidence in the evaluation that the company puts for them. Therefore, from this standpoint, we chose the idea of our project, Kira, which is based on managing a programming company and controlling everything that is required in it in a correct and fair way.

1.2 Objectives of the Work

The "Kira" platform aims to develop a comprehensive management and control platform for a software company, accessible via a mobile application and an online portal. This platform enables users and their teams to collaborate on projects and includes an AI-powered assistance system. Kira provides customized access permissions for each user based on their position within the company, along with the ability to evaluate and filter files, results, employees, and trainees.

real-time chat, email verification. The backend is powered by Nodejs and MongoDB for robust and saleable data handling, while the frontend is built with React and React Native for a responsive and cross-platform experience. By leveraging modern technologies.

1.3 Scope of the Work

The project includes the design and development of a cross-platform system featuring projects categories, messaging, profile customization. The backend leverages expressjs and expressjs REST Framework for scalable API development, while MongoDB serves as the non-relational database. The frontend is implemented in React and React Native, offering a consistent Web and Mobile experience with intuitive UI components. Features such as role-based UI adjustments, profile management, and in-app communication ensure a seamless workflow. The system is designed with scalability and user- friendliness in mind.

1.4 Significance of the Work

The "Kira" project represents an excellent platform because it is easy, clear, and convenient to use, and is supported by artificial intelligence that helps summarize messages and provide automated replies. It also helps in fairly selecting the most suitable candidate for the available job.

Features such as instant messaging, group chat rooms. facilitate seamless communication and collaboration.

Chapter 2: Constraints, Standards/Codes, and Earlier Coursework

2.1 Constraints and Limitations

- **Internet & Infrastructure Limitations:** In occupied Palestine, unstable internet and limited access to can restrict real-time communication, deployment, and testing across different environments.
- **Time Constraints:** Developing a full-stack mobile app and web site and backend within the given academic timeline required careful planning and prioritization of core features over optional enhancements.

- **Real-Time Features Complexity:** Implementing secure, scalable chat functionality and notification systems required deeper research into WebSocket protocols, express, and frontend message handling.
- **Frontend Mobile Optimization:** Ensuring a consistent and user-friendly experience across different screen sizes and Android devices presented UI/UX and performance challenges.

2.2 Standards and Codes

2.2.1 Backend – Nodejs & Nodejs REST Framework

The backend was developed using Nodejs, a high-level java script web framework known for its scalability and security. Nodejs REST Framework was used to create RESTful APIs that handle authentication, user roles, service listings, and real-time data processing. JWT tokens.

2.2.2 Database – MongoDB

MongoDB was chosen as the non-relational database system due to its scalability, support for complex queries and large, and wide compatibility with Nodejs. The database schema includes multiple interrelated tables—users, roles, projects, messages, chats, reports — designed using reference objectId constraints and indexes for performance.

2.2.3 Frontend – React (Web) & React Native (Mobile)

The frontend of *Kira* is developed using two powerful JavaScript frameworks: **React** for the web interface and **React Native** for the mobile application.

- The **web version**, built with React and CRA, offers fast development cycles, modular component architecture, and responsive design. It utilizes modern libraries such as **Tailwind CSS** for clean, consistent

styling and reusable UI components. Navigation is managed using Modern React Router, and role-based routing ensures different UI experiences for System Admin HR and User.

- The **mobile version**, developed using React Native, brings a native-like experience on Android devices with shared logic from the web platform. It features smooth navigation using **React Navigation**, sidebars, and screen transitions. State is managed using React hooks and Context API to ensure consistent user sessions and interaction across the app.

Together, both interfaces maintain design consistency, role-based access control, and seamless integration with the Nodejs backend APIs, delivering a unified user experience across platform

2.3 Earlier Coursework

Our studies in the Computer Engineering Department provided a strong foundation for developing the Kira platform. Key courses and experiences that contributed to this project include:

- **Web Programming:** Focused on modern tools such as React and Tailwind CSS, which enabled us to build responsive and modular interfaces for the web version of the platform.

- **Database Systems:** Covered relational database design, normalization, and MongoDB, all of which were essential for structuring the database and managing relationships between users, and collection's.
- **Software Engineering:** Provided insights into UML diagrams, software development methodologies (such as Agile), and project planning—skills that guided our team's development workflow and documentation.
- **Computer Networks:** Introduced core concepts such as HTTP, WebSocket's, and RESTful API communication, which we applied while implementing real-time chat and API-based frontend-backend integration.

Beyond coursework, we expanded our skills through self-directed learning in react native, Nodejs REST Framework.

Chapter 3: Literature Review

Companies use numerous platforms to manage and control their operations, including employee attendance, tasks, internships,

posting announcements, and everything else the business needs.

Jira is one of the most suitable platforms for our work, as it enables users to upload and access their projects. While it is useful for project uploading and task delivery, and supports Agile and Scrum methodologies, despite its capabilities, it is relatively complex and requires extensive setup, making it less suitable for small and medium-sized enterprises (SMEs). Therefore, we developed Kira, a platform characterized by its ease of use and flexibility, allowing us to perform most, if not all, of the tasks offered by other platforms with ease and simplicity.

What sets **Kira** apart is its comprehensive approach to management and control. It integrates project sharing, social networking, and task management into a single, user-friendly system. With clearly defined user roles (system administrator, HR, user, and trainee), secure user and email verification, and a mobile-friendly design using modern frameworks like React, React Native (Expo), Node.js, Express, and MongoDB, **Kira** ensures a secure and seamless experience tailored to the needs of local businesses..

In short, while existing platforms complicate project sharing and evaluation, Kira bridges the gap by providing a comprehensive platform that facilitates evaluation, communication, and collaboration

Chapter 4: Methodology

4.1 Tools, Methods, and Programming Languages

4.1.1 Tools

- **Visual Studio Code:** Used as the primary IDE for writing and debugging both backend (Nodejs) and frontend (React/React Native) code.
- **Android Studio:** Employed for testing and running the React Native mobile app on emulators and physical devices.
- **MongoDB Tools (MongoDB Server):** Used for managing the database.
- **GitHub:** Used for version control, collaboration, and managing code through branches and pull requests.
- **Postman:** Helped with documentation, task testing the backend.
- **Canva:** Used for designing wireframes, user interfaces, and flow diagrams before implementation.

4.1.2 Programming Languages & Frameworks

Frontend Development:

- **Web App:** Built using **React**, a JavaScript library for building responsive, component-based UIs. Styled using **Tailwind CSS**.
- **Mobile App:** Developed using **React Native**, which allows us to write cross-platform mobile apps using JavaScript and native modules for Android support.

Backend Development:

- **Nodejs (JavaScript):** The backend framework used to create RESTful APIs, handle business logic, and manage user roles and authentication. Nodejs REST Framework (expressjs) helped structure and serialize the APIs.
- **JWT Authentication:** Used for secure user login and session management, integrated with Nodejs.

Third-Party Integration:

- **lucide-react:** for icons in react framework.

4.1.3 Database

- **MongoDB:** A scalable non-relational database used to manage structured data including users, projects, tasks and messages.
- The database schema is normalized and includes objectId constraints to preserve data integrity.
- **Atlas:** Used to visually manage and monitor the database during development and testing.

Chapter 5: Results and Discussion

In this chapter, we present the results of the *KIRA platform* project by showcasing its main features, supported by screenshots and explanations. The system was developed with separate interfaces for web and mobile, and it includes role-based functionality for admin, HR, Trainees and User. During development, differences in design and technical decisions between web and mobile versions led to some variations. In such cases, we adopted the most effective implementation. This chapter outlines both shared and role-specific

features to provide a comprehensive overview of the platform's capabilities and performance.

5.1 Web and Mobile Features

5.1.1 Common Features Among Users

These features are available to all users regardless of their role (Admin or HR or User or Trainees or Personal), and they help create a unified and intuitive experience within the mobile app.

5.1.1.1 Login Screen

The login screen is the gateway to the Kira mobile app and website. It is designed with clarity and ease of use in mind. Users are required to enter a valid email address and password to log in. If incorrect information is entered, the system displays an alert to guide the user. Additional features include:

- **A “Sign up” link for users who do not have an existing account.**

Kira

Task Manager

Welcome Back — Company Workspace

Company

Please enter your details to log in to your company workspace

Email Address

john@example.com

Password

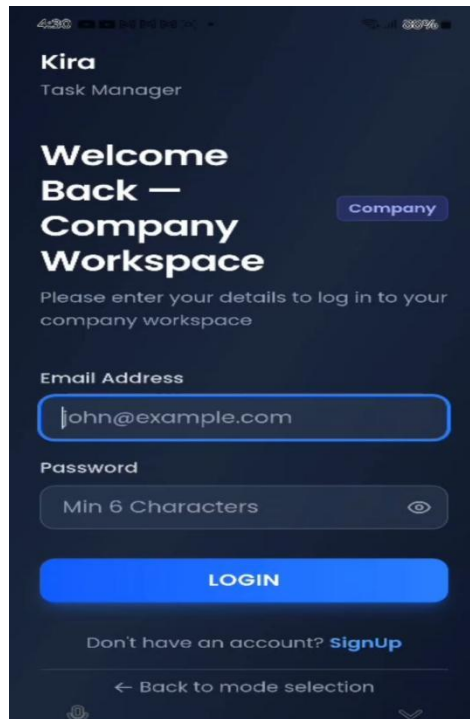
Min 6 Characters



LOGIN

Don't have an account? [SignUp](#)

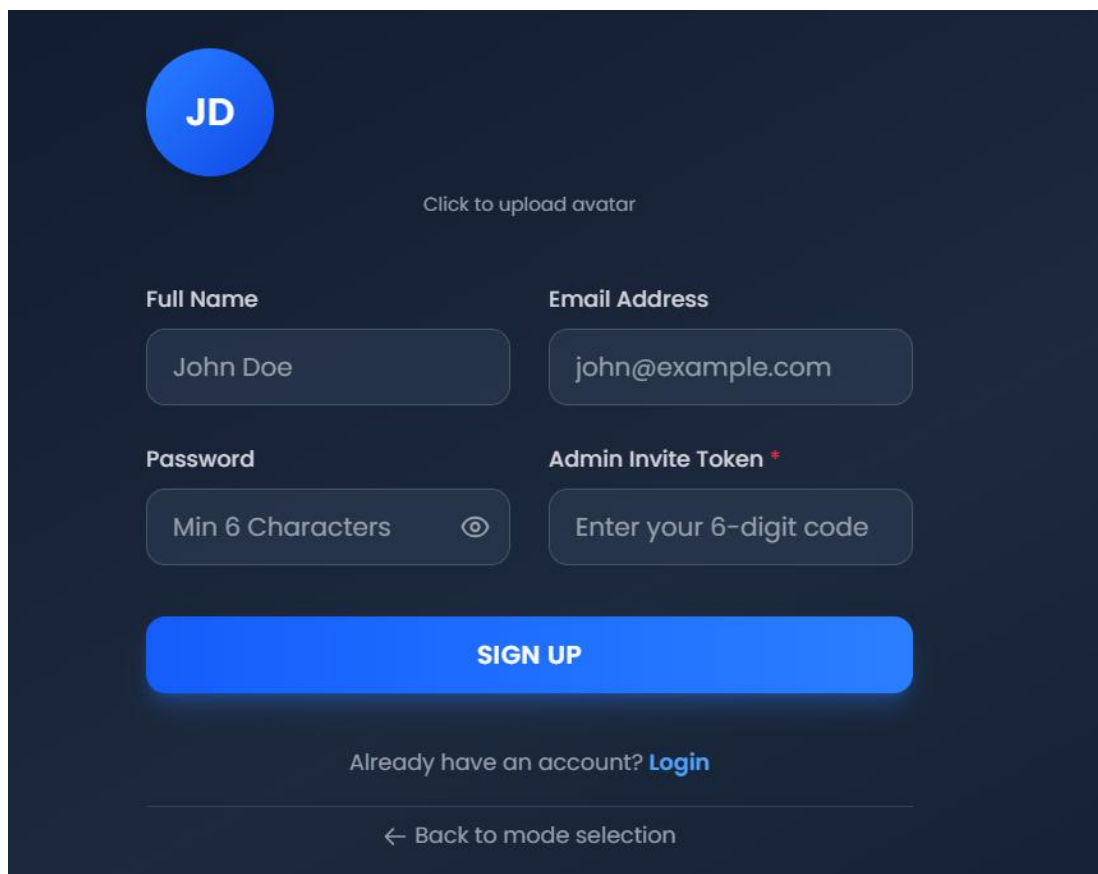
[← Back to mode selection](#)



5.1.1.2 Register

The registration (account creation) screen allows new users to create an account by entering their username, email address, password, and profile picture, then confirming them. After completing this, clicking "Create Account" registers the user and grants them access to the platform.

An invitation code from the company administrator can be entered when registering a new account, ensuring the account holder has already been prepared.



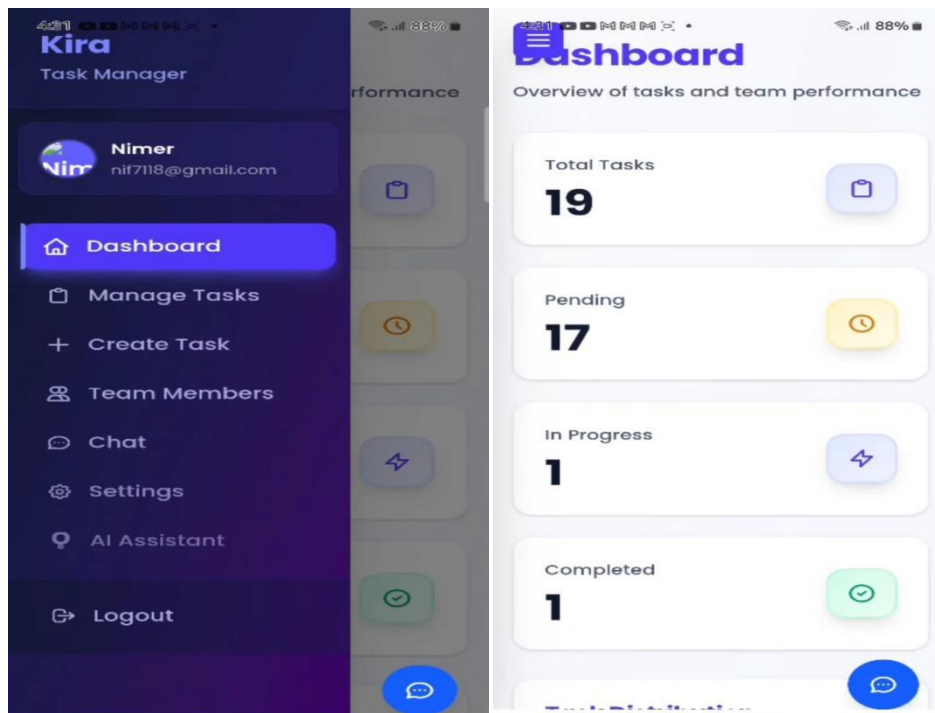
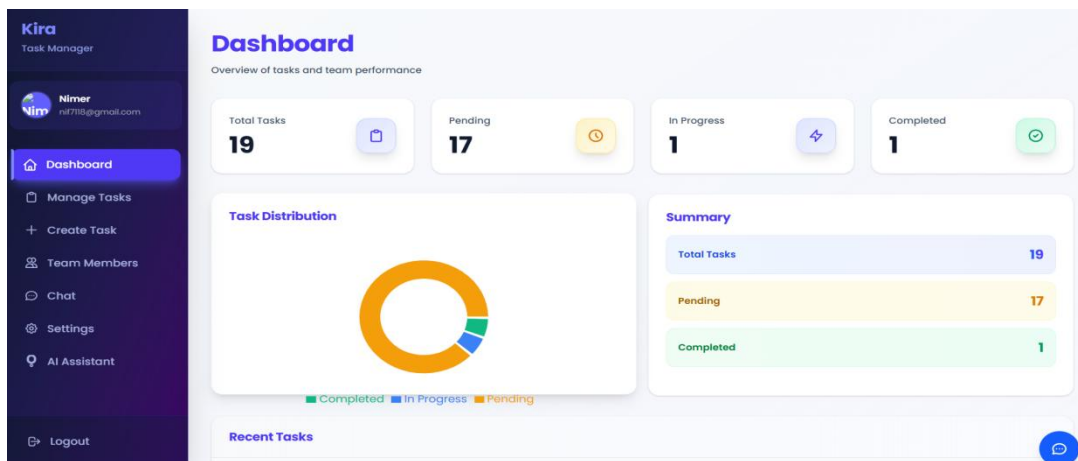
The image shows a registration form on a dark blue background. At the top left is a circular profile picture placeholder with the initials 'JD' in white. Below it is the text 'Click to upload avatar'. The form consists of four input fields arranged in a 2x2 grid. The first row contains 'Full Name' with the value 'John Doe' and 'Email Address' with the value 'john@example.com'. The second row contains 'Password' with the value 'Min 6 Characters' and an eye icon, and 'Admin Invite Token *' with the value 'Enter your 6-digit code'. Below the input fields is a large blue button with the text 'SIGN UP' in white. At the bottom of the form, there is a link that says 'Already have an account? Login' and a back arrow with the text 'Back to mode selection'.

5.1.1.3 Home Page & Navigation Sidebar

After logging in, the user is directed to their home page based on their role within the company.

The fixed sidebar on the right provides quick access to the main sections: Home, Projects, and Profile, ensuring easy navigation throughout the application.

Login as Admin :



Recent Tasks

TITLE	STATUS	PRIORITY	DUE
Programming Task 20	In Progress	HIGH	Jan 12, 2026
Programming Task 19	Completed	MEDIUM	Jan 11, 2026
Programming Task 17	Pending	HIGH	Jan 9, 2026
Programming Task 16	Pending	MEDIUM	Jan 8, 2026
Programming Task 13	Pending	MEDIUM	Jan 5, 2026

Kira

Task Manager

Nimer
nim7118@gmail.com

Dashboard

Manage Tasks

Create Task

Team Members

Chat

Settings

AI Assistant

Logout

Manage Tasks

View, manage, and track all tasks

+ Import from PDF

Auto Distribute

Download Report

All Pending In Progress Completed

Audience: Members Trainees

Programming Task 20

HIGH

Implement and test a programming feature as part of the MERN task management system.

In Progress Jan 12, 2026

Progress 50%

2 of 4 tasks completed

Programming Task 19

MEDIUM

Implement and test a programming feature as part of the MERN task management system.

Completed Jan 11, 2026

Progress 100%

4 of 4 tasks completed

Programming Task 17

HIGH

Implement and test a programming feature as part of the MERN task management system.

Pending Jan 9, 2026

Progress 0%

0 of 4 tasks completed

Programming Task 16

MEDIUM

Implement and test a programming feature as part of the MERN task management system.

Programming Task 14

HIGH

Implement and test a programming feature as part of the MERN task management system.

Programming Task 13

MEDIUM

Implement and test a programming feature as part of the MERN task management system.

5.1.1.4 Add New Task

This page allows the Admin to insert a new task for users :

The screenshot displays the 'Create New Task' interface within the Kira Task Manager. On the left is a dark sidebar with navigation options: Dashboard, Manage Tasks, Create Task (highlighted), Team Members, Chat, Settings, AI Assistant, and Logout. The main content area is titled 'Create New Task' and includes a 'Description' label. The form contains the following fields and controls:

- Task Title:** A text input field with the placeholder 'Enter task title'.
- Description:** A large text area with the placeholder 'Describe the task in detail'.
- Priority:** A dropdown menu currently set to 'Medium'.
- Due Date:** A date input field with the placeholder 'mm/dd/yyyy' and a calendar icon.
- Assign To:** A numeric input field with the value '1' and a sub-label 'Number of employees needed for this task'.
- Select Members:** A section with a blue 'Select' button.
- Checklist Items:** A section with a text input field 'Enter checklist item' and a blue 'Save' button.
- Add Attachments:** A section with two input fields: 'Attachment name' and 'Attachment URL', followed by a blue 'Add' button.

At the bottom of the form is a large, prominent 'CREATE TASK' button with a blue-to-purple gradient. A blue chat bubble icon is visible on the right side of the interface.

8:21 87%
Create New Task

Description

Task Title
Enter task title

Description
Describe the task in detail

Priority
Medium

Due Date

Assign To
1

8:21 87%
Assign to

Number of employees needed for this task

Select Members
Select

Checklist Items
Enter checklist item

Save

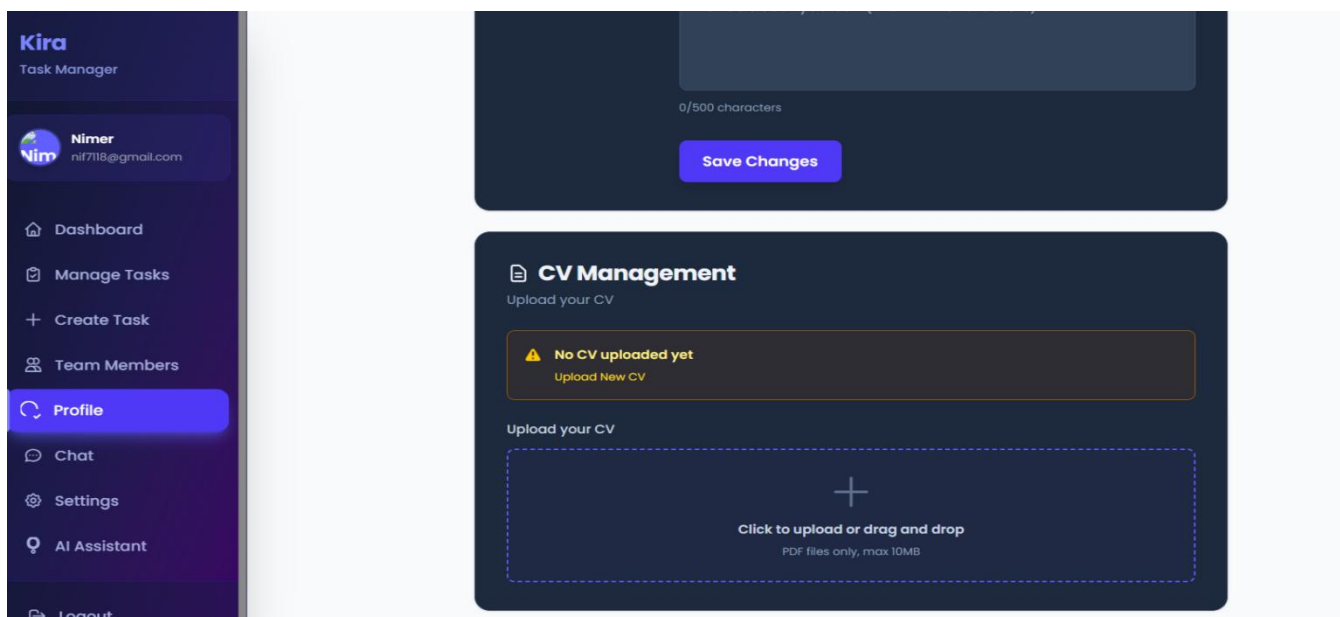
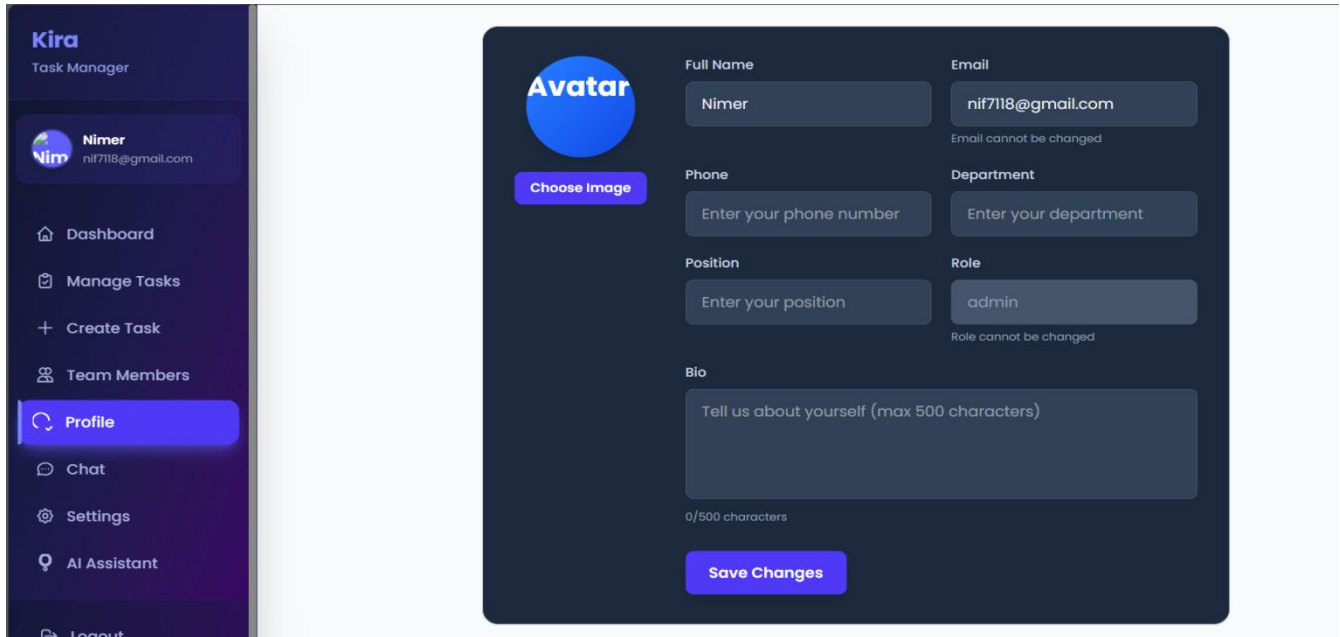
Add Attachments
Attachment name
Attachment URL

Add

CREATE TASK

5.1.1.5 Profile Page

Each user has personal profile page contained his information.



4:32 67%
مستي الشخصي
تحديث معلوماتك الشخصية والصورة الرمزية

Avatar

اختيار صورة

الاسم الكامل
Nimer

البريد الإلكتروني
nif7118@gmail.com
لا يمكن تغيير البريد الإلكتروني

الهاتف
أدخل رقم هاتفك

القسم
أدخل قسمك

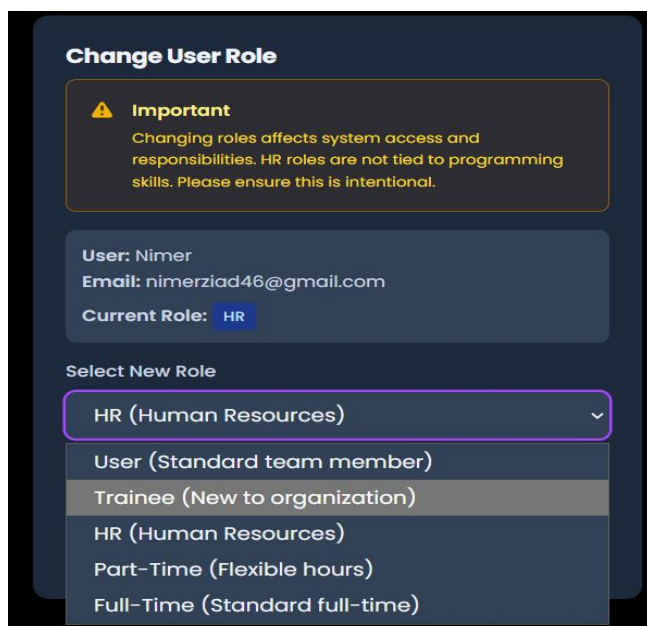
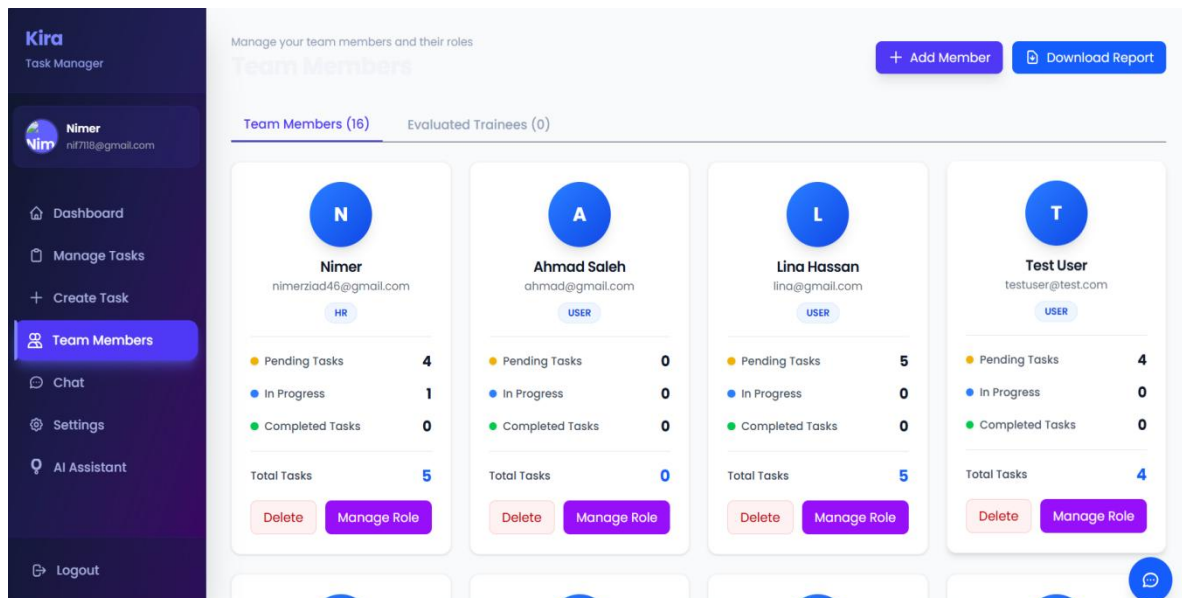
...

You can view the display in English or Arabic.

5.1.1.6 Team Page

This page displays the team associated with the Admin or HR who logged in. This feature is only available for these two Roles in the company.

You can also download a **Report** containing information about the current team and you can change any user Role.



5.1.1.10 Filter:

This feature is available to HR users.

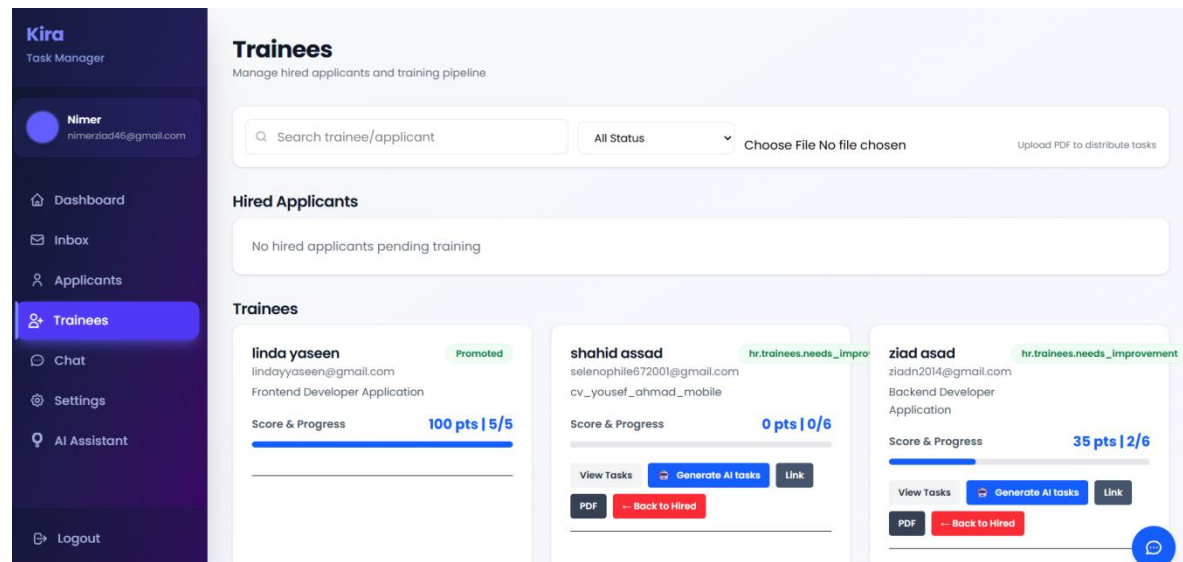
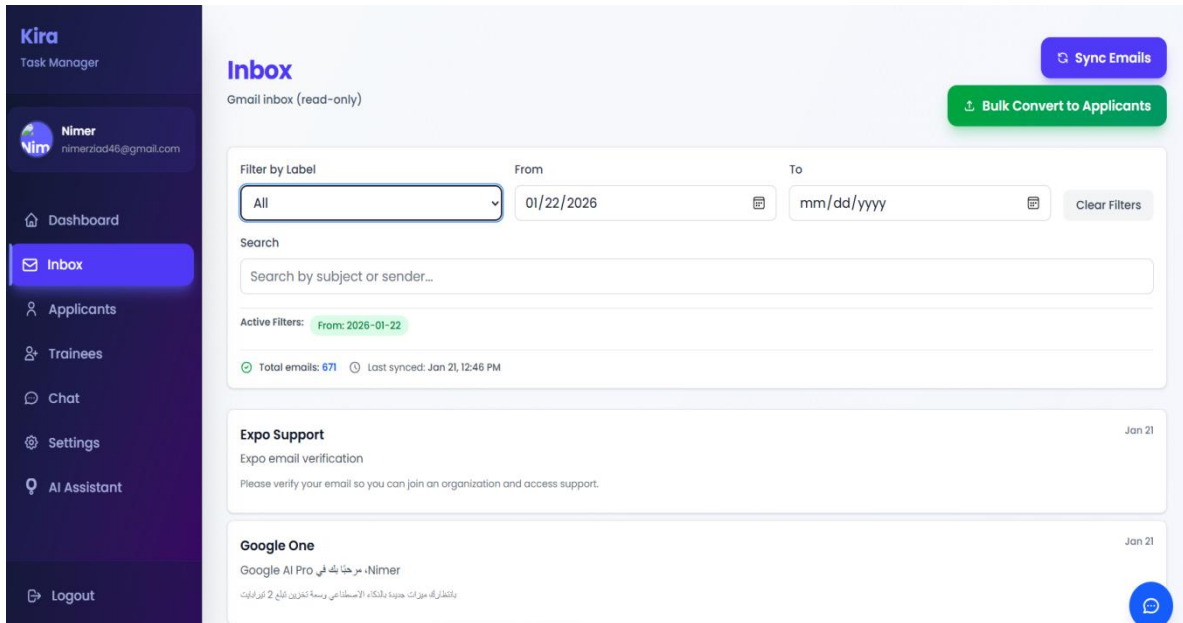
There are two main types of filtering: Trainee Filtering and Email Filtering.

Trainees:

- By name or email
- By specialization
- By status

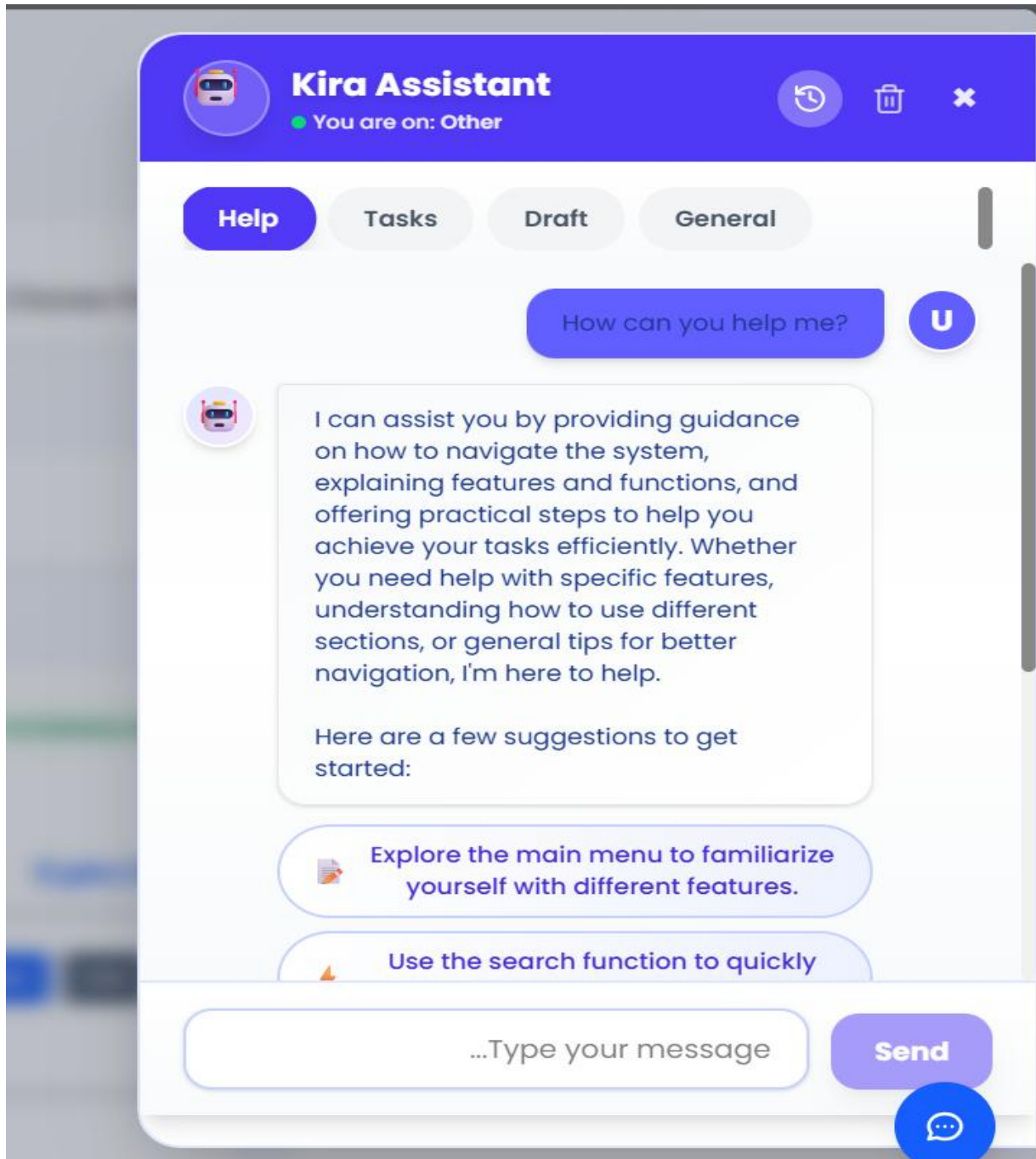
Emails:

- By status (important or not) or by date
- Search by email name, keyword, subject, or sender
- Ability to summarize and read a specific email, even if it contains files, using artificial intelligence.



5.1.1.11 AI assistant:

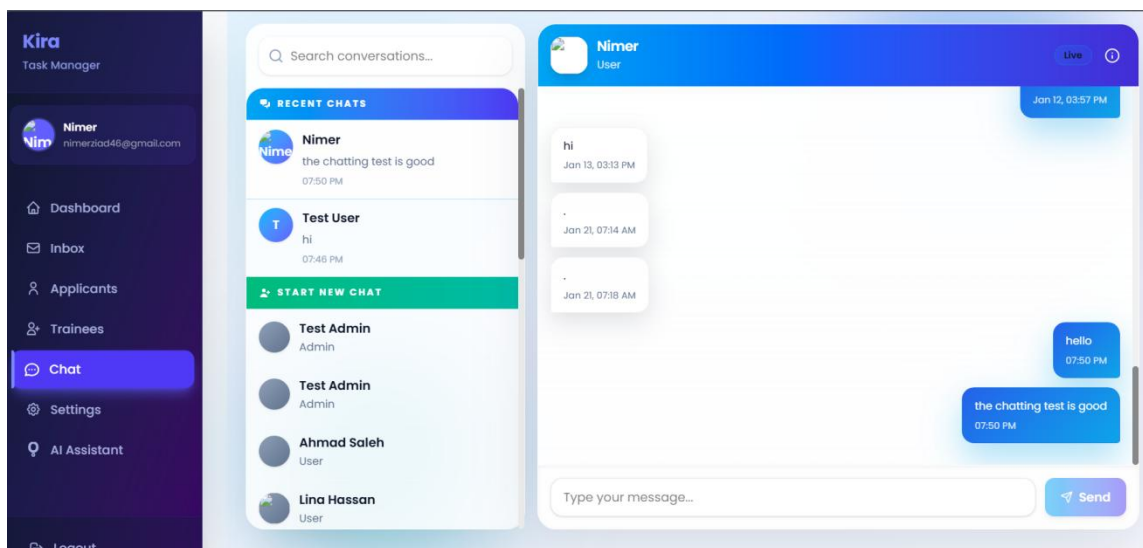
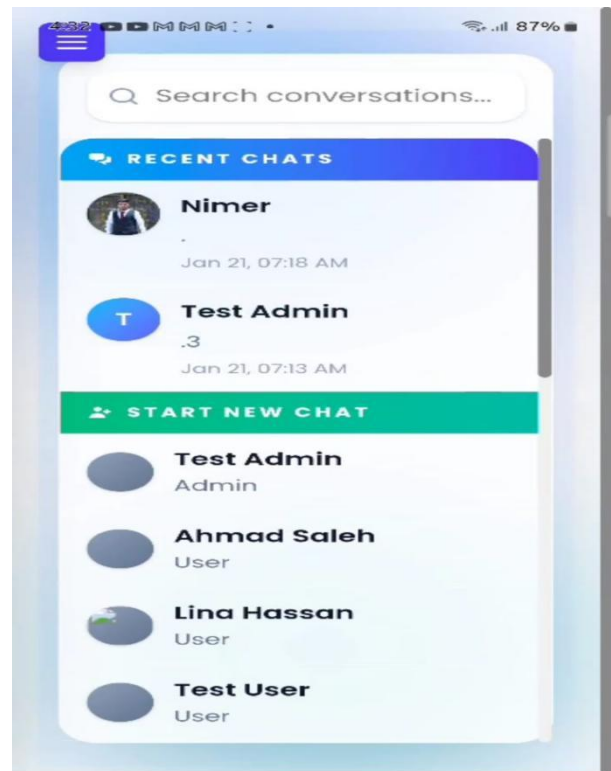
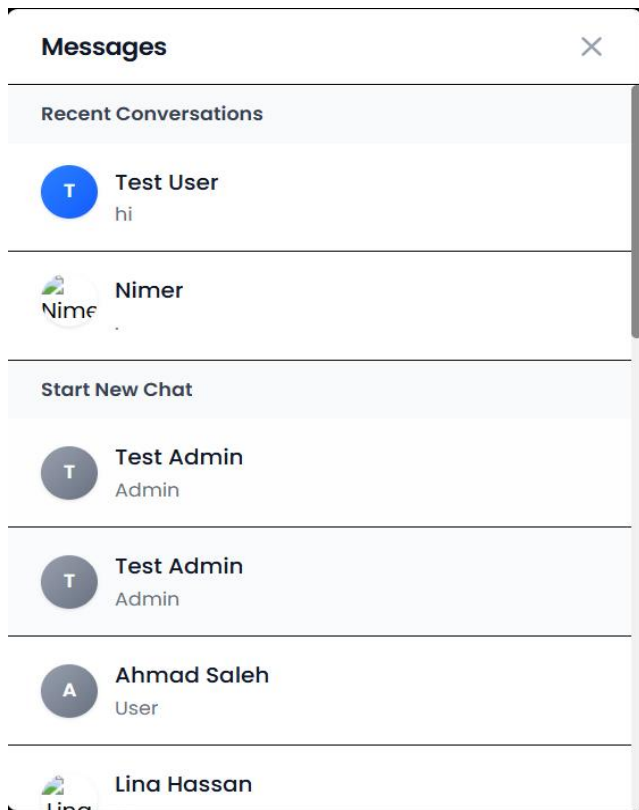
*It is an AI-powered user assistance system that we named **Kira Assistant**, allowing users to chat with it and ask it about their needs within the company.*



5.1.1.11

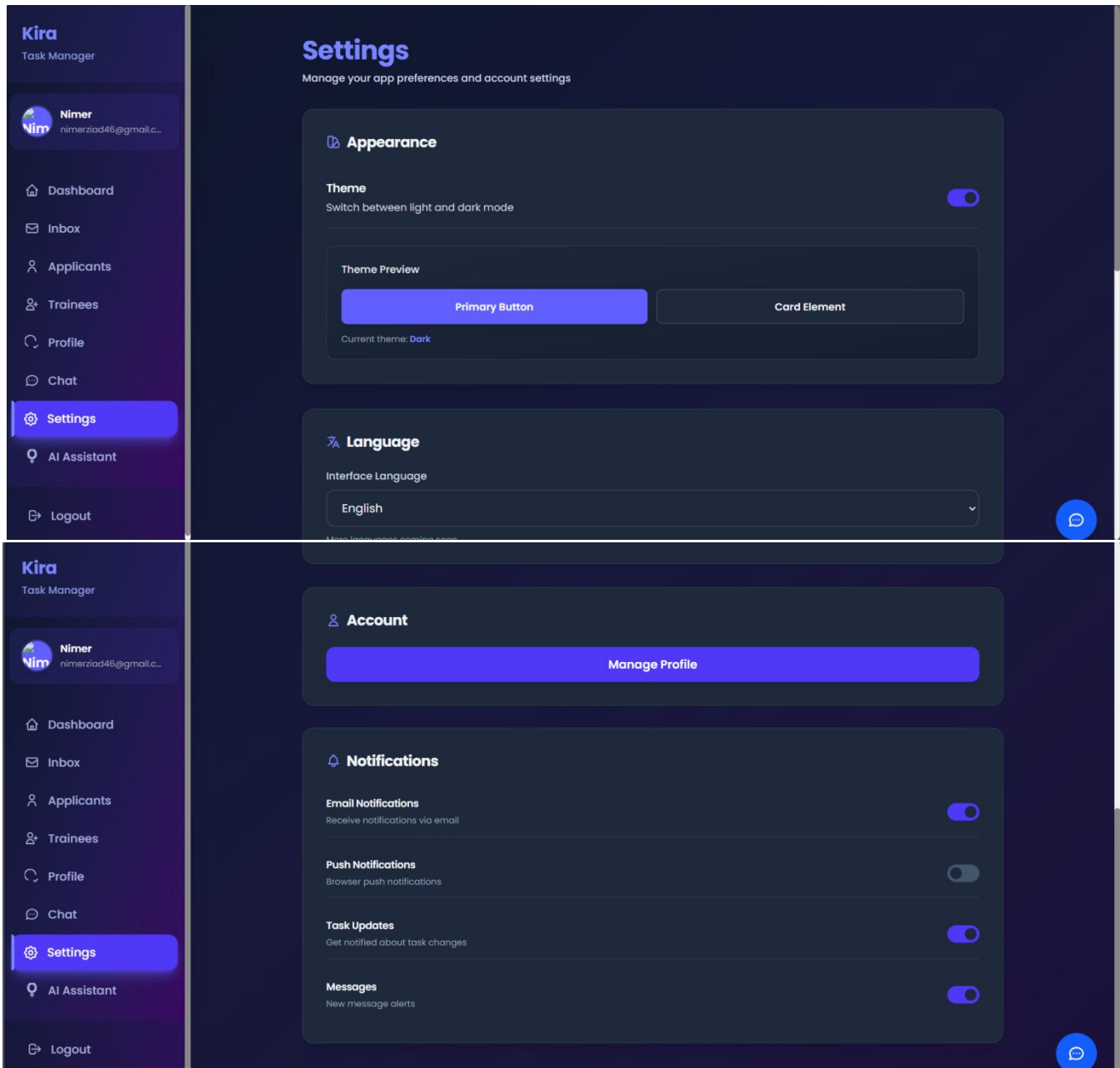
5.1.1.12 Chatting System:

This page displays the chat and conversation system where the user can communicate with the entire team smoothly and comfortably.



5.1.1.13 Settings

From here you can control account information such as changing the name or picture, changing the application language, changing the application colors, and enabling or disabling application notifications:



5.1.1.14 Task Details page

Here in this section you can see the details of the task, what has been completed, and the possibility of modification, whether by changing its status, adding a new task within it, or deleting it.

The screenshot displays the 'Task Details' page for 'Programming Task 20'. The page is divided into several sections:

- Task Details Header:** Includes the title 'Task Details' and a close button (X).
- Task Information:** Shows the task name 'Programming Task 20', a 'HIGH PRIORITY' badge, and a due date of 'Due: Jan 12, 2026'.
- Description:** A text box containing the description: 'Implement and test a programming feature as part of the MERN task management system.'
- TODO Checklist:** A section with a progress bar showing '2/4 completed' and '50%'. Below the bar is a list of tasks:
 - Analyze requirements
 - Implement feature
 - Test functionality
 - Commit code
- Task Details Summary:** A section with a progress bar and a list of tasks:
 - Analyze requirements
 - Implement feature
 - Test functionality
 - Commit code
- Status:** A dropdown menu currently set to 'In Progress'.
- Assigned To:** A section showing the assigned user 'Nimer' with a profile icon.
- Action Buttons:** Three buttons at the bottom: 'Update Task' (blue), 'Mark Complete' (green), and 'Delete' (red).

5.1.1.15 Add new User:

From here, the Admin or HR can add a new user from within the system and recommend them.

A screenshot of a web-based user creation form with a dark theme. The form includes the following fields and options:

- Full Name ***: A text input field with the placeholder "Enter full name".
- Email ***: A text input field with the placeholder "Enter email".
- Password (optional - random if empty)**: A text input field with the placeholder "Leave empty for random password".
- Role**: A dropdown menu with "User" selected.
- Status**: A dropdown menu with "Active" selected.
- Phone (optional)**: A text input field with the placeholder "Enter phone number".
- Department (optional)**: A text input field with the placeholder "Enter department".
- Position (optional)**: A text input field with the placeholder "Enter position".
- CV (optional) - PDF only**: A file upload section with a blue "Choose File" button and the text "No file chosen".

A screenshot of a mobile app user creation form with a light theme. The form includes the following fields and options:

- 4:31** and **87%**: Status bar information at the top.
- Add New User**: The title of the form.
- Full Name ***: A text input field with the placeholder "Enter full name".
- Email ***: A text input field with the placeholder "Enter email".
- Password (optional - random if empty)**: A text input field with the placeholder "Leave empty for random password".
- Role**: A dropdown menu with "User" selected.
- Status**: A dropdown menu with "Active" selected.
- Phone (optional)**: A text input field with the placeholder "Enter phone number".
- Department (optional)**: A text input field with the placeholder "Enter depea".
- Position (optional)**: A text input field with the placeholder "Enter positi".
- Chat icon**: A blue circular icon with a white speech bubble, located at the bottom right.

5.1.1.16 Add New Task or Project From PDF file:

A new task or project can be added by uploading a PDF file, not by uploading details or a description of the task.

Import Tasks from PDF

Select PDF File

Choose File No file chosen

✓ My Cv.pdf (96.18 KB)

PDF Format: Tasks should be structured with:

- Task Title
- Description
- Priority (Low/Medium/High)
- Due Date (YYYY-MM-DD)
- Checklist items (optional)
- Attachments (optional)

PDF import failed

Cancel Import

5.1.1.17 Rate and View Trainees Tasks and Results:

HR can view and evaluate the progress and results of trainees, decide whether they are acceptable for a job interview or rejected, and can rate their performance out of 100.

Applicant Details

selenophile672001@gmail.com Delete ×

FULL NAME	shahid assad	POSITION	cv_yousef_ahmad_mobile
Stage	Applied	CREATED	12/21/2025, 10:51:33 AM

Notes

cv_yousef_ahmad_mobile This is my cv
Attachments: cv_yousef_ahmad_mobile.pdf

CV View CV

Upload PDF

AI Summary Generate AI Summary

Candidate Level	Years Experience
-----------------	------------------

Close Save Changes

Training Tasks — shahid assad

View AI feedback and rescore

AI Status: On (gpt-4o-mini)

Close

Training Status: active

Evaluation available after trainee submits training or it expires.

Create a Firebase Database

Status: submitted · common.target: 0 · Points: 0

training

Set up a Firebase Firestore database for a mobile application and implement basic CRUD operations.

AI TECHNICAL ASSESSMENT

Repository URL

https://github.com/user/repo

Key Code Snippet

No submission yet

Notes

No submission yet

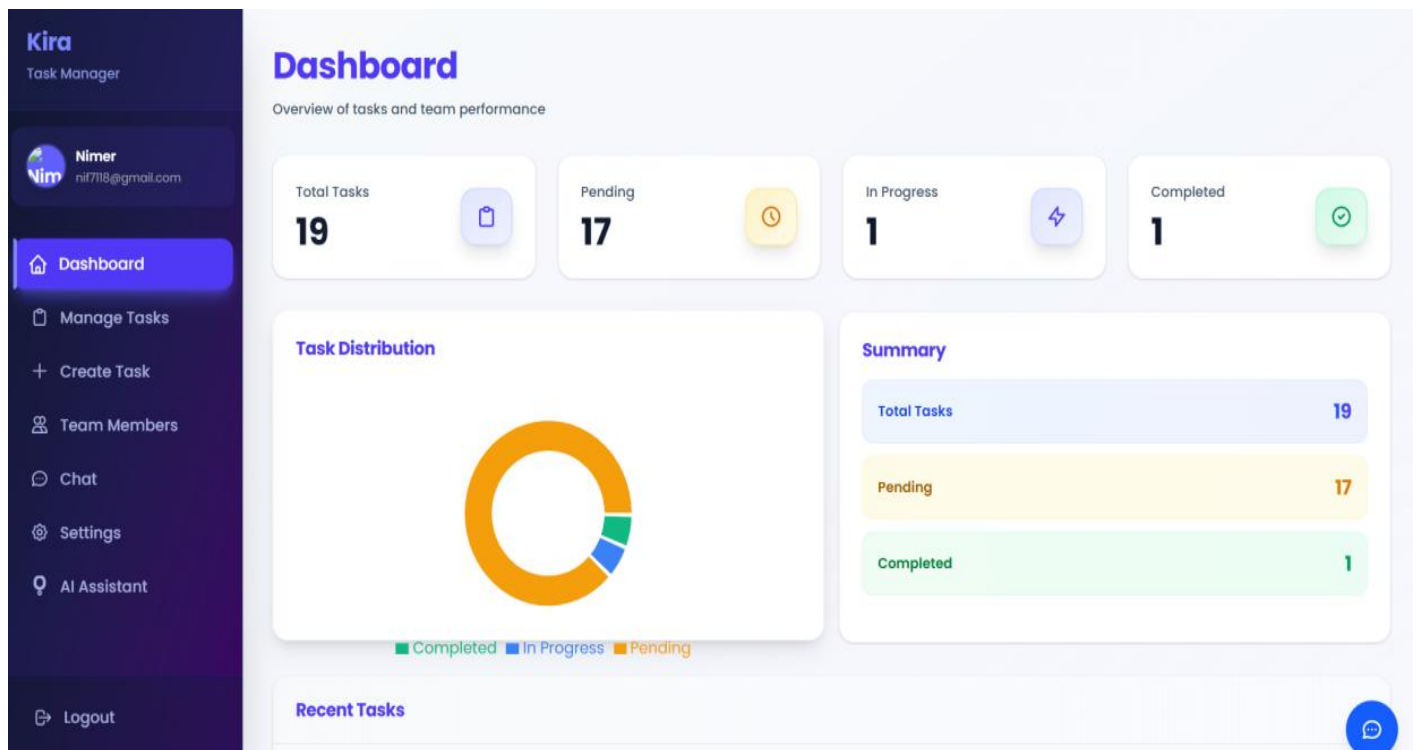
Waiting for trainee submission

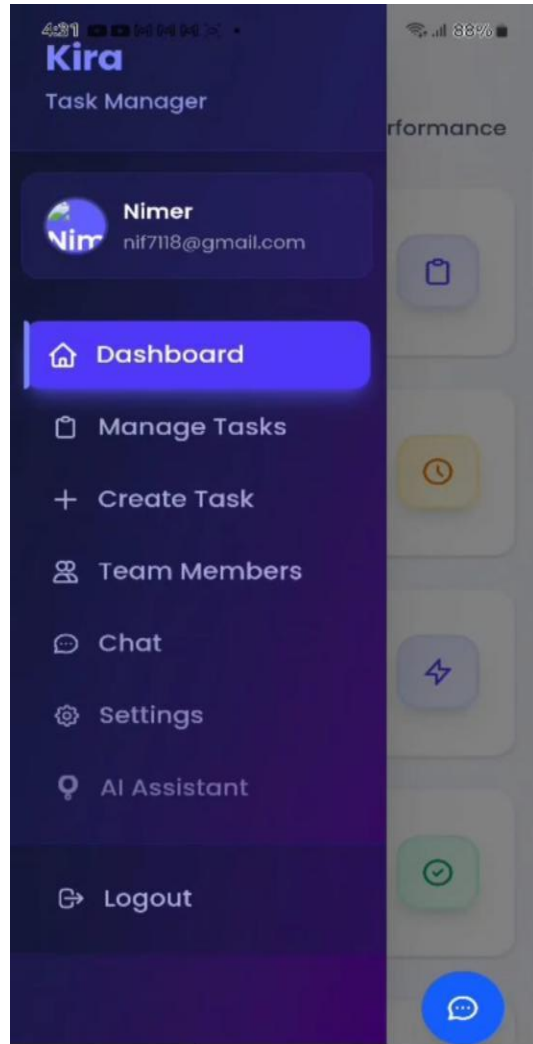
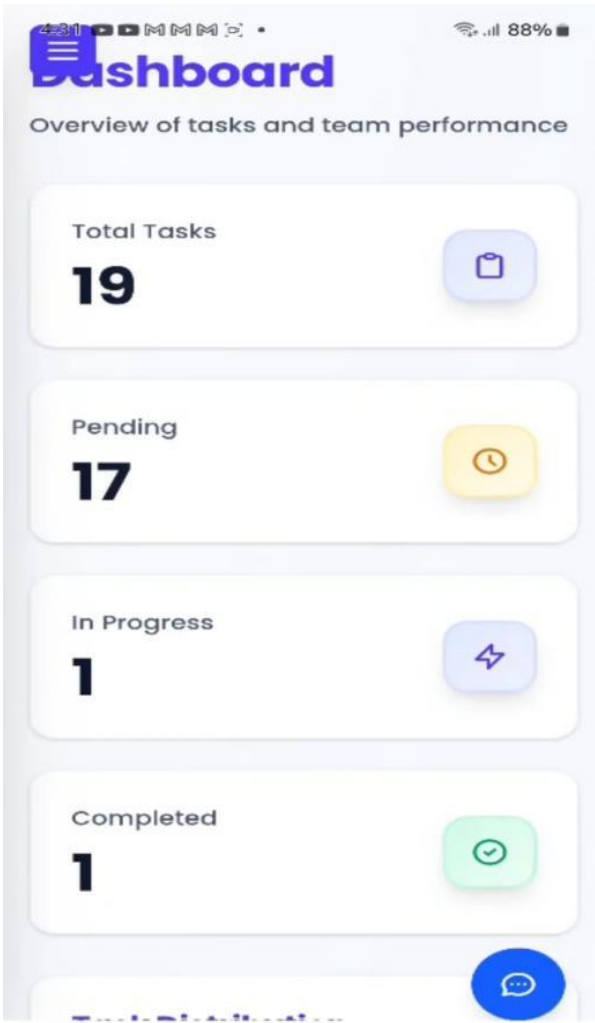
6.1 Admin Dashboard:

The Admin Dashboard is accessible through the web and mobile, as the control center for Kira. It enables administrators to:

- **Monitor core stats: total users, total Tasks, and projects.**
- **Manage the projects and he has the ability of deleting it**
- **Monitor tasks rated**
- **Manages instructors: delete in instructor viewing documents that the instructor uploads and reject or approve it**
- **Communicate directly with instructors**
- **Manage and deleted reported posts or remove it from the list of repots**

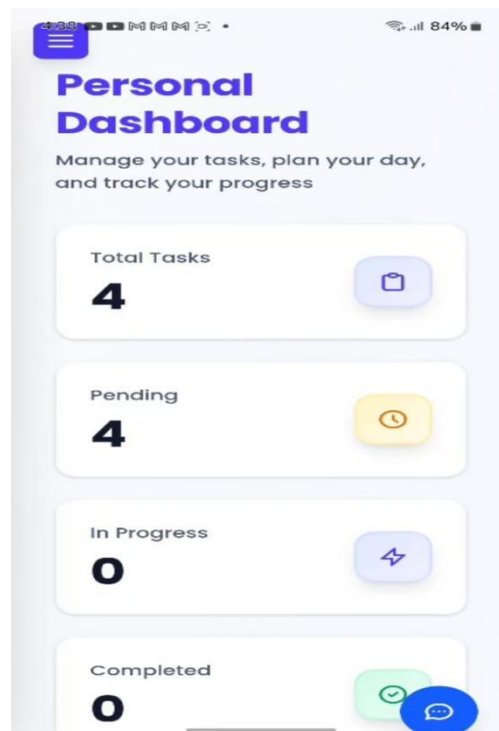
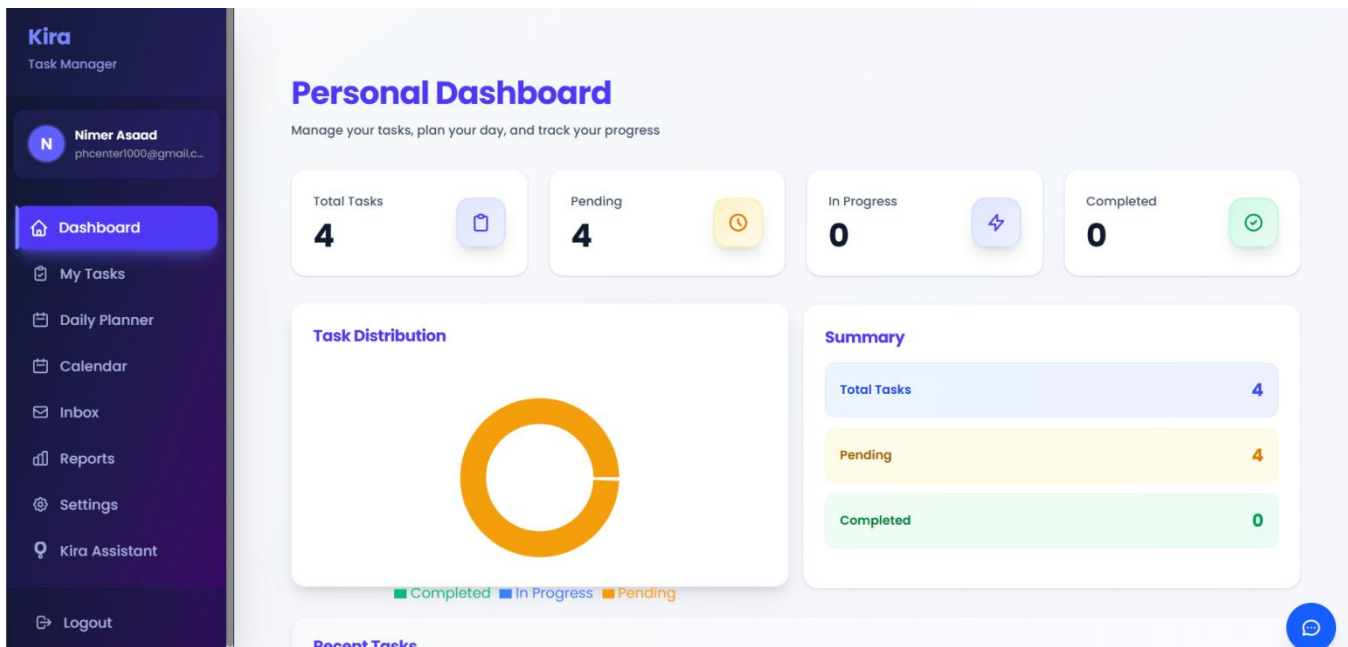
This dashboard provides essential tools for maintaining platform integrity and supporting users efficiently.





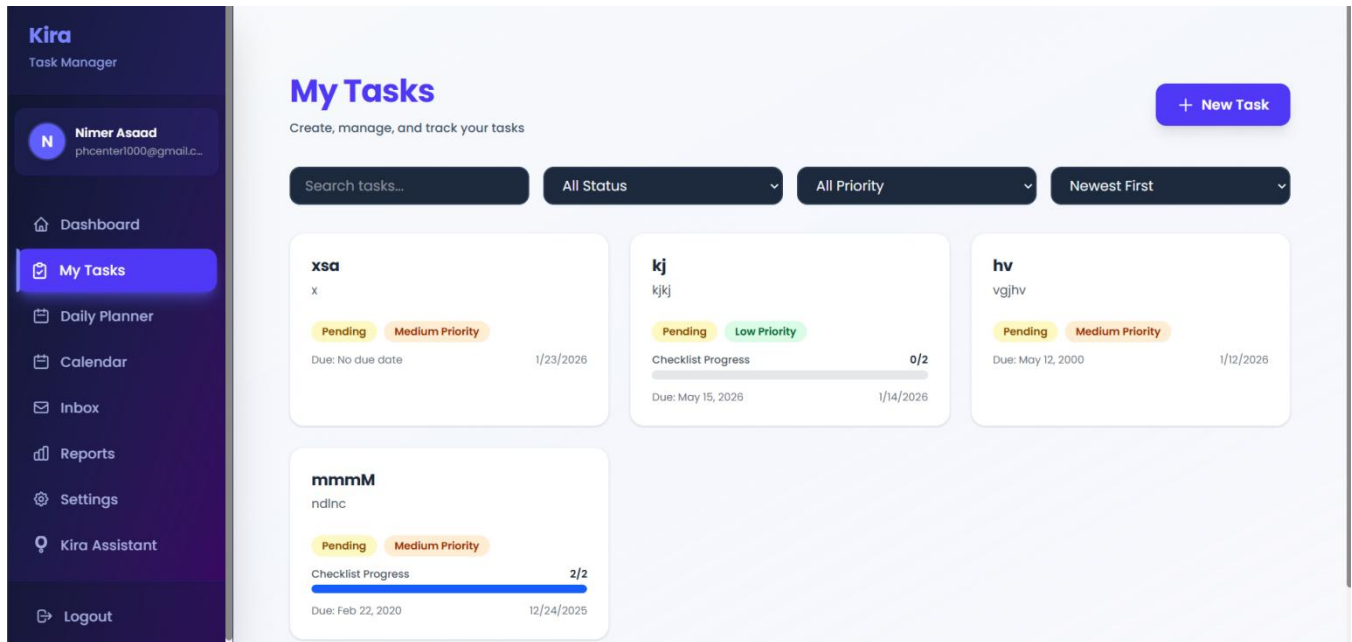
6.1.1 Personal Page

Here on the **Kira** personal platform, users can view and manage their accomplishments, completed and pending tasks, create new tasks, link specific reminders to specific tasks, and view the history.



6.1.2 Personal Manage Tasks

In this window, the user can control their tasks, view the completion percentage, manage, filter, search, delete tasks, or create a new task.



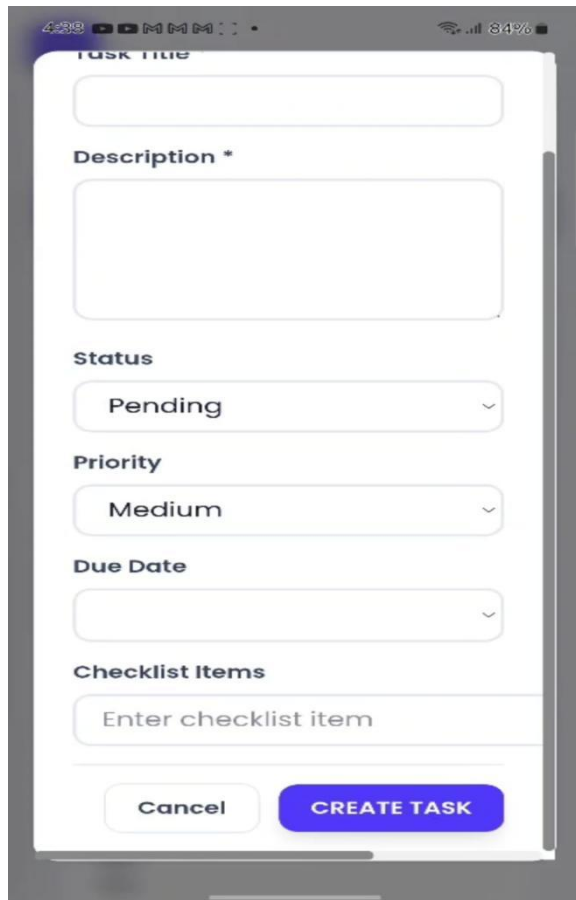
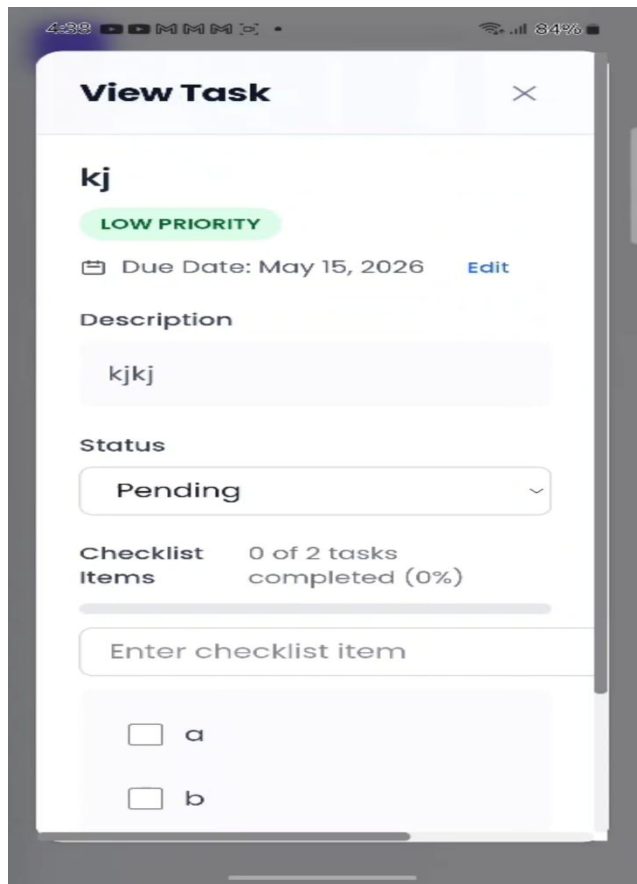
Create New Task

Task Title *

Description *

Status: Pending Priority: Medium Due Date: mm/dd/yyyy

Checklist Items



6.1.3 Daily Planner

Plan your day using specific time slots and stay focused.

The screenshot shows the Kira Daily Planner interface. On the left is a dark sidebar with navigation options: Dashboard, My Tasks, Daily Planner (highlighted), Calendar, Inbox, Reports, Settings, Kira Assistant, and Logout. The main area is titled "Daily Planner" and includes a date selector for "Friday, January 23, 2026". A task block is visible for "09:00 - 10:00" with a "PLANNED" status and "Linked Task" label. On the right, a "Today's Summary" panel shows: Total Blocks: 1, Completed: 0, Skipped: 0, Planned: 1, Focus Time: 1h 0m, and Completion: 0%. Below this is a "Top Tasks Today" section with a list containing "kj" and "kjk".

The "Add Block" modal form contains the following fields and controls:

- Start Time ***: 09:00 AM (with a clock icon)
- End Time ***: 10:00 AM (with a clock icon)
- Title ***: e.g., Study Crypto
- Note**: Additional notes... (text area)
- Link to Task**: None (dropdown menu)
- Status**: Planned (dropdown menu)
- Color Tag**: None (with color options: blue, purple, green, orange)
- Buttons**: Cancel and Add Block

6.1.4 Calendar

Add Events, schedules, and reminders

The screenshot shows the Kira Task Manager interface. On the left is a dark sidebar with navigation options: Dashboard, My Tasks, Daily Planner, Calendar (highlighted), Inbox, Reports, Settings, Kira Assistant, and Logout. The main area is titled 'Calendar' and contains a monthly calendar for January 2026. A '+ New Event' button is in the top right. Below the calendar is an 'Upcoming Events' list showing dates from today to Thursday, Jan 29, with 'No events' listed for each day.

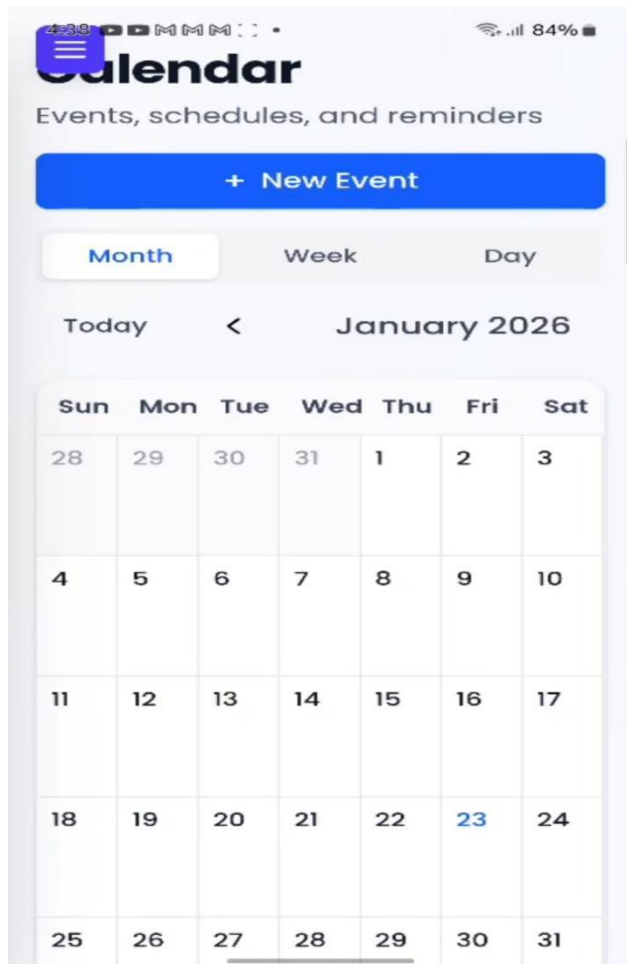
Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Upcoming Events

- Today
No events
- Saturday, Jan 24
No events
- Sunday, Jan 25
No events
- Monday, Jan 26
No events
- Tuesday, Jan 27
No events
- Wednesday, Jan 28
No events
- Thursday, Jan 29
No events

The 'Create Event' form includes the following fields and options:

- Title ***: Text input field.
- Description**: Text area with a clear button.
- Location**: Text input field.
- All Day
- Start Date & Time ***: 01/23/2026 09:35 PM
- End Date & Time ***: 01/23/2026 10:35 PM
- Color**: Selection of colored squares (blue, purple, green, orange, red, grey).
- Reminder**: Dropdown menu with 'None' selected.
- Reminder Method**: Dropdown menu with 'In App' selected.



6.1.5 Personal Inbox

Sync and manage your emails on Gmail.

And You can also filter messages by date, name, or content, and email content can be summarized by artificial intelligence.

Kira
Task Manager

N Nimer Asaad
phcenter1000@gmail.c...

- Dashboard
- My Tasks
- Daily Planner
- Calendar
- Inbox
- Reports
- Settings
- Kira Assistant
- Logout

Personal Inbox

Sync and manage your Gmail emails Sync Emails

Filter by Label: All Mail From: 01/22/2026 To: mm/dd/yyyy Clear Filters

Search:

Active Filters: Filter by Label: ALL Today: 2026-01-22

Alison Jan 21

abo, AI isn't slowing down in 2026 🤖 Don't get left behind!

Learn how to use AI View in web browser Share on social Share on Facebook Share on Twitter Share on LinkedIn Alison My Dashboard Course Categories AI for the new year Hi abo, The...

"Elmin7a - المنحة via LinkedIn" Jan 19

النشرة الوبعية لفروض العمل والوظائف المتاحة
يبحث شؤون الموظفين باندق اور سوزبان - People and Culture Coordinator باندية

"Elmin7a - المنحة via LinkedIn" Jan 19

النشرة الوبعية لفروض العمل والوظائف المتاحة

abo, AI isn't slowing down in 2026 🤖 Don't get left behind! ×

From: Alison

To: nimerziad46@gmail.com

Date: Jan 21, 2026, 9:03 AM

My Dashboard

Course Categories

New year, new AI innovations.

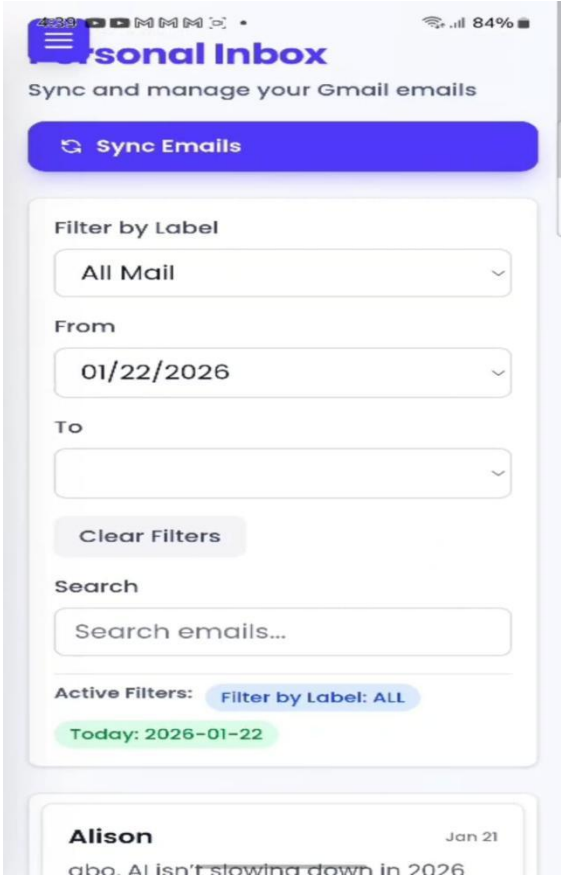
Keep up with the tech that's transforming how

AI Summary

Regenerate

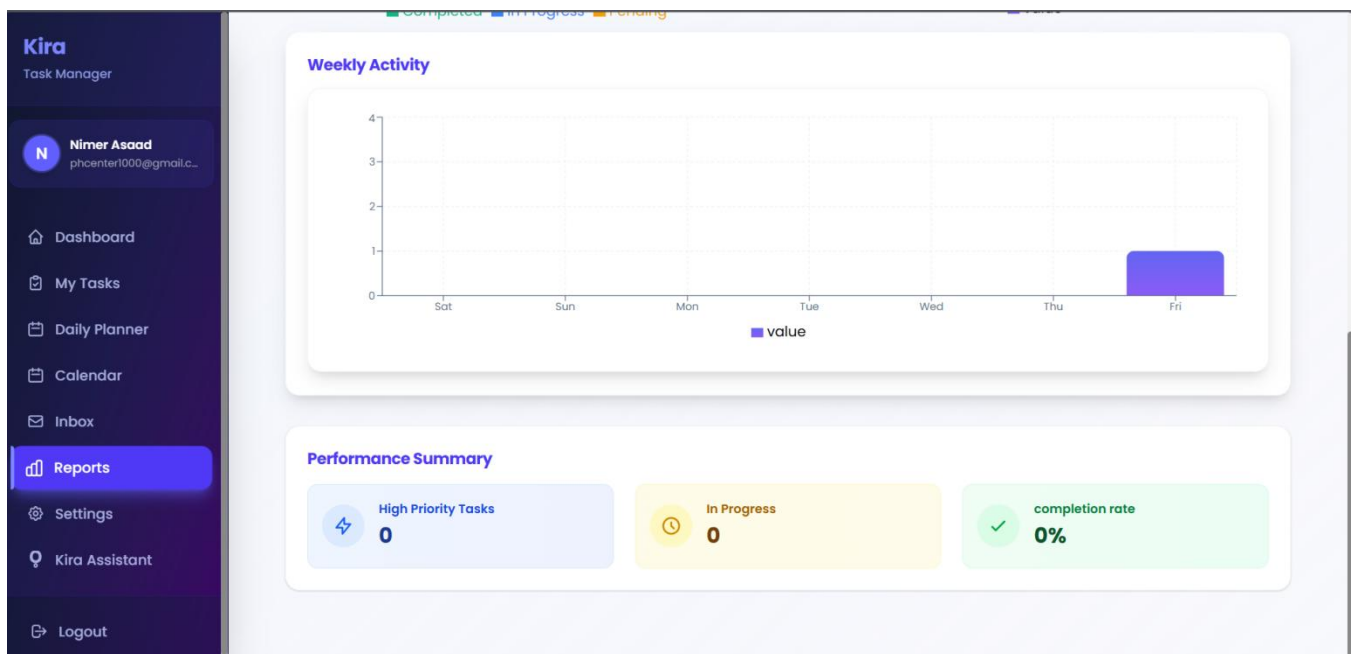
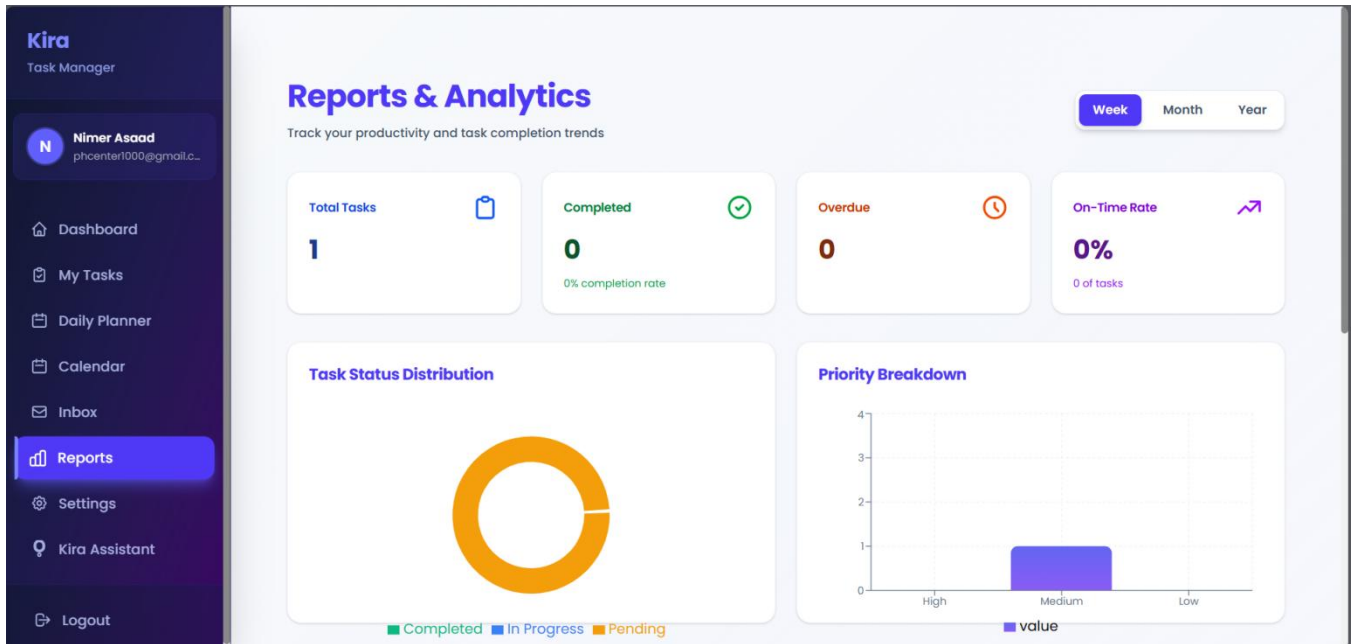
Summary

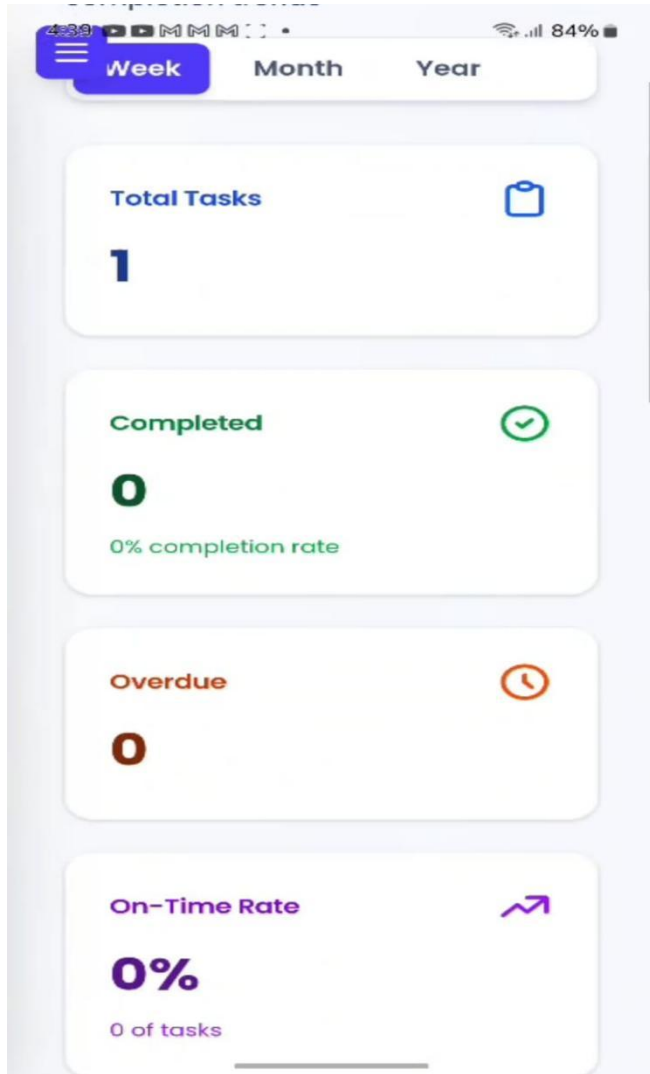
The email from Alison discusses the importance of staying updated with AI advancements in 2026. It encourages



6.1.6 Reports and analyses

Track your productivity and task completion trends



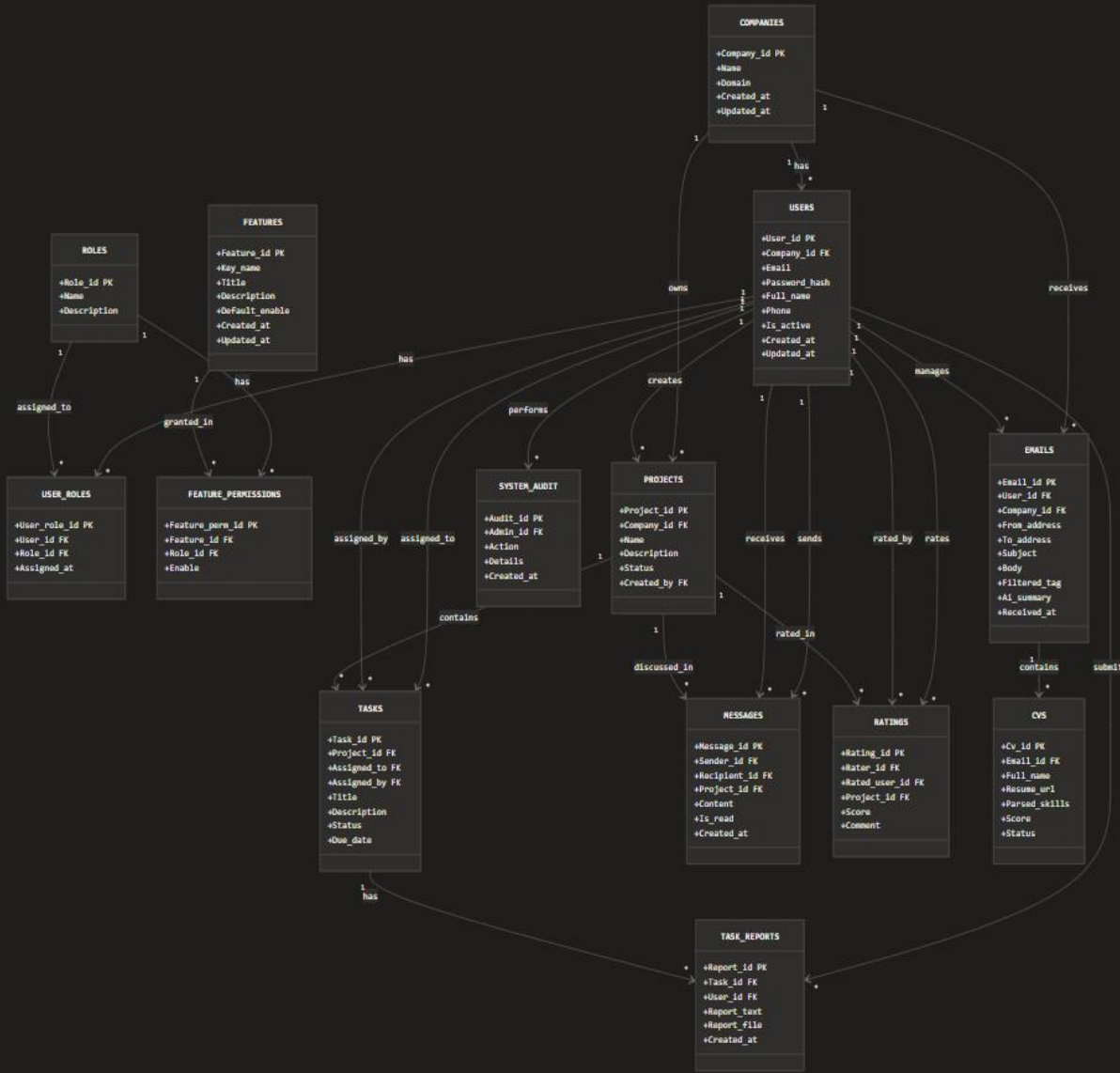


7 Database:

In the *Kira* project, we use **MongoDB** as the primary database to store and manage all application data. MongoDB is a **NoSQL document-oriented database** designed for flexibility, scalability, and high performance, making it an excellent fit for modern web applications.

Why MongoDB?

- **Schema Flexibility:** MongoDB stores data in **JSON-like documents (BSON)**, enabling dynamic and flexible schemas. This is ideal for systems like **Kira**, where different entities (users, projects, messages, etc.) may have diverse structures and evolve over time.
- **High Scalability:** MongoDB supports horizontal scaling and can handle large volumes of data and concurrent users efficiently.
- **Real-time Performance:** With features like indexing and fast queries, MongoDB ensures responsive performance, crucial for real-time features like chatting and content interaction.
- **Native Support for Relationships:** While being a NoSQL database, MongoDB supports references and embedded documents, which allows modeling both relational and hierarchical data efficiently.



8 Discussion

The goal of developing the **Kira** platform is to provide a new, integrated platform that supports AI-assisted company management and facilitates organized and scalable communication between users. This section discusses how the system achieves its objectives, the effectiveness of the implemented features, the challenges encountered during development, and the rationale behind the key design and technology choices.

8.1 Achievement of Objectives:

By integrating features such as user roles, project repositories, people evaluation, and instant chat, the Kira platform successfully delivers a unified experience. The system empowers users to easily and conveniently complete assigned tasks, communicate with their teams and managers, and register for training opportunities and jobs, all within a mobile and web application environment. Each user role (Admin, HR, User, Trainees) has a dedicated interface, ensuring accessibility and clarity.

8.2 Feature Effectiveness:

One of the most significant features is the real-time chat system, which supports both private and group communication. The decision to use WebSocket technology enabled smooth and instantaneous message delivery.

Another key feature is Kira's personal and open system, allowing any user to control and manage their day, assigning daily or weekly tasks, etc.

8.3 Project Impact:

*The **Kira** platform features an applicant and trainee assessment system and an AI-powered filtering system, minimizing human intervention in the evaluation process and fostering a sense of security and integrity among applicants. It also includes a system for summarizing and filtering incoming emails and text messages, providing a more user-friendly experience. **Kira** is a secure, local, and user-centric environment. Furthermore, **Kira** offers a separate and independent component that allows users to manage their daily lives independently of their work, all within a single application.*

9 Conclusions and Recommendations

In this section, we present a summary of the project outcomes along with suggestions for future enhancements.

9.1 Summary

In short, Kira offers a comprehensive environment tailored to the needs of businesses requiring efficient management. By combining project work, resume evaluation, instant communication, and personal life management, the system addresses numerous educational challenges in a unified solution. The strategic use of cutting-edge technologies such as MongoDB, WebSocket, React, and Node.js ensures scalability, responsiveness, and seamless interaction across web and mobile devices. Furthermore, the implementation of a role-based access system and email verification enhances user trust and security. By overcoming both technical and user experience challenges, Kira demonstrates its value as a scalable and future-proof management platform.

9.2 Future Works

To further improve the platform and expand its capabilities, the following future enhancements are proposed:

- **Increased use and reliance on artificial intelligence in the application**
- **Modern filtering** : enable Users to filter and navigate in more user-friendly methods.
- **Upload files and voice messages:** Add a feature that allows users to upload files and images in the chat and also enable recorded voice messages.
- **Adding new features to the Kira platform:** for managing personal lives, which complements the application and makes it useful on all levels.

References

1- **Node.js**: Node.js Foundation. (n.d.). *Node.js Documentation*. Retrieved from: <https://nodejs.org/docs/latest/api/>

2- **Express.js**: Express.js. (n.d.). *Express – Node.js web application framework*. Retrieved from: <https://expressjs.com>

2- **MongoDB**: MongoDB Inc. (n.d.). *MongoDB Manual – Official Documentation*. Retrieved from: <https://www.mongodb.com/docs/>

3- **ReactJS**: Team. (2024). React – A JavaScript library for building user interfaces. Retrieved from <https://reactjs.org>

4- **Meta Platforms**: Inc. (2024). React Native – Build native apps using React. Retrieved from <https://reactnative.dev>

5- **Google LLC**. (2024). Android Studio – The Official IDE for Android Development. Retrieved from <https://developer.android.com/studio>

6- **chatgpt**: <https://chatgpt.com/>

