



InternSphere

Presented by:

Sohaib Arafat & Osama Dweikat

Supervised by:

Dr. Raed Alqadi

AGENDA

- Introduction Goals and Objectives
- Technical Stack
- For Students
- For Companies
- For Training Centers and Universities
- Emails & Notifications
- Constraints
- Future Work

OBJECTIVES

Streamline Internship

Management

Digitize and automate the complete internship lifecycle from application submission to performance evaluation, reducing administrative overhead and improving process efficiency.

Enhance Student-Internship

Matching

Implement AI-powered matching to intelligently pair students with relevant internship opportunities based on skills, academic background, and career interests.

Improve Learning

Outcomes

Provide comprehensive progress tracking, task management, and AI-assisted code review to enhance student skill development and learning experiences during internships.

Ensure Academic

Compliance

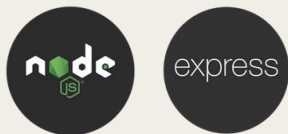
Maintain academic standards through structured reporting, performance evaluation, and compliance tracking to meet educational requirements and accreditation standards.

Facilitate Multi-Stakeholder

Collaboration

Create an integrated platform enabling seamless communication and coordination between students, companies, universities, and administrators throughout the internship process.

TECHNICAL STACK



Server Side



Web Application



Mobile Application



Online Meetings Service



Google
Cloud Run



GitHub Actions



Google Cloud Storage

Deployment



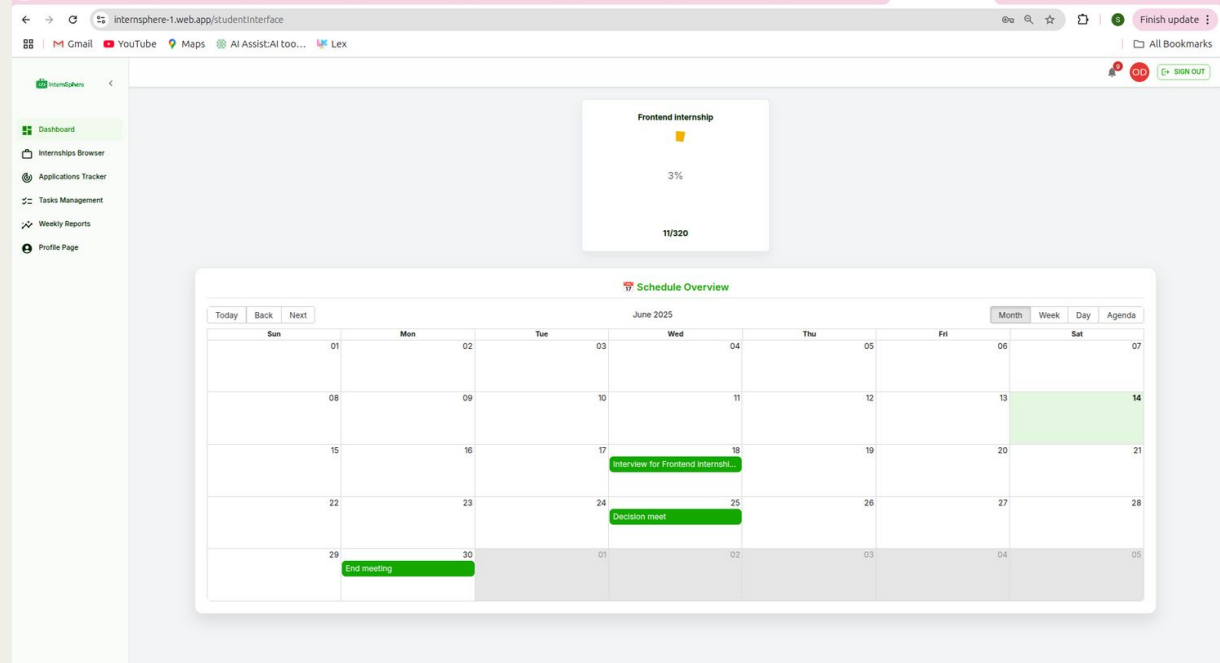
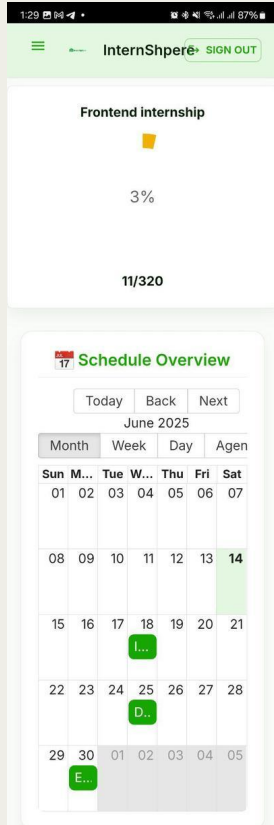
Google AI Studio

AI Services

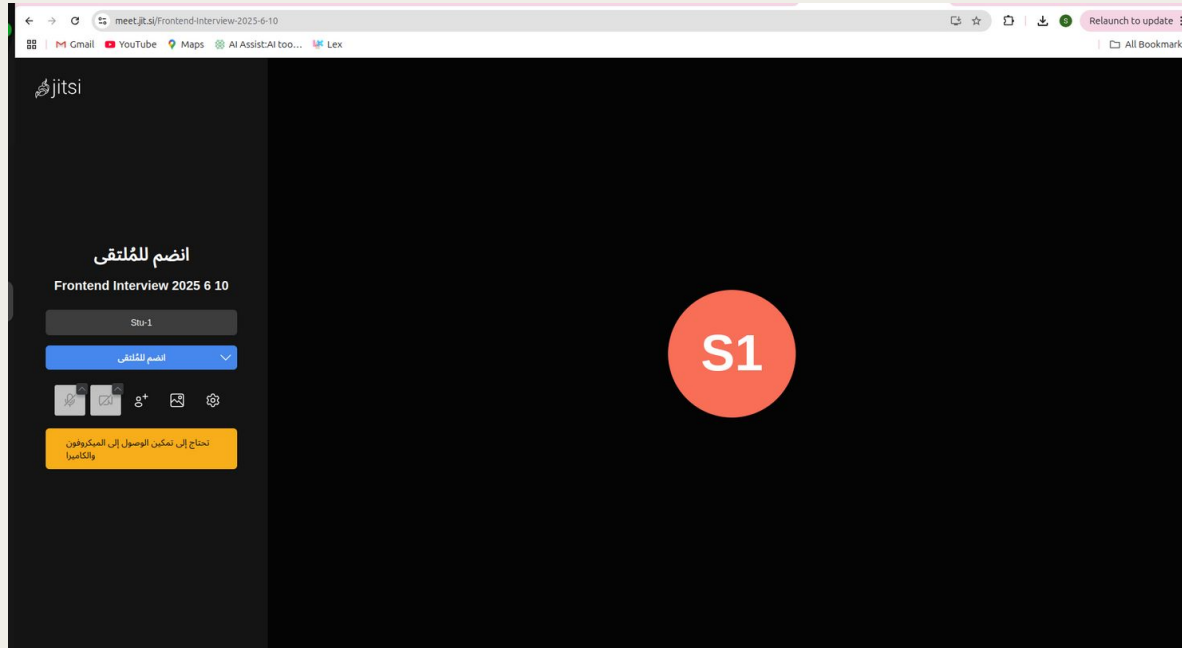


Database

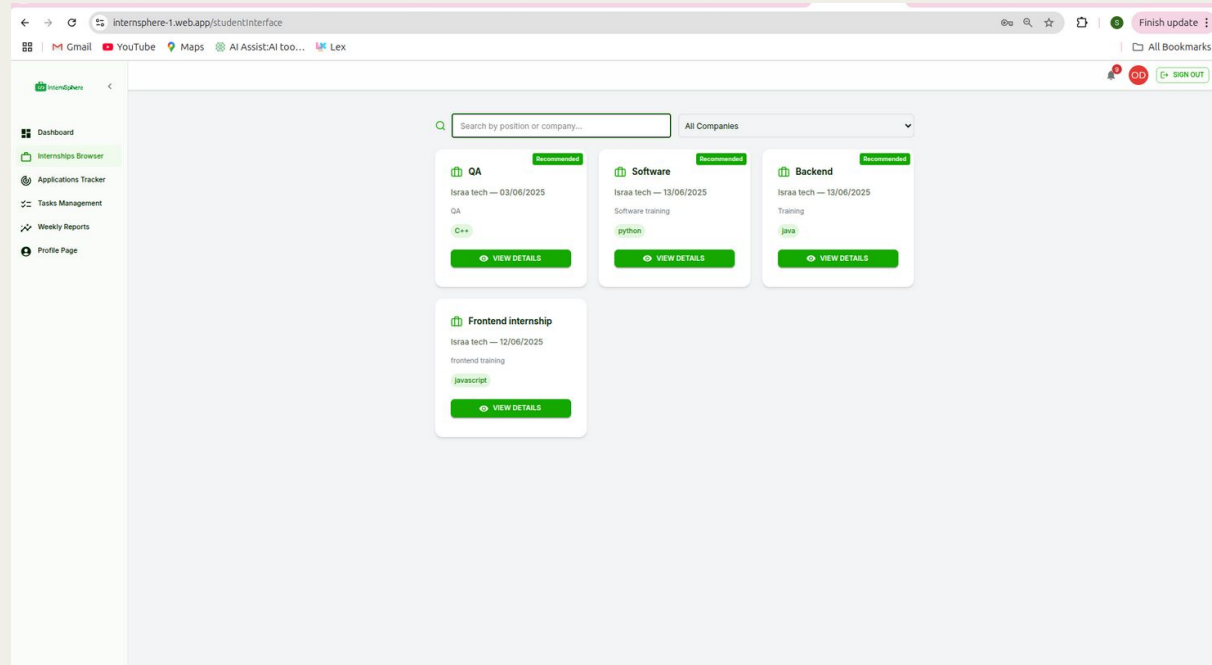
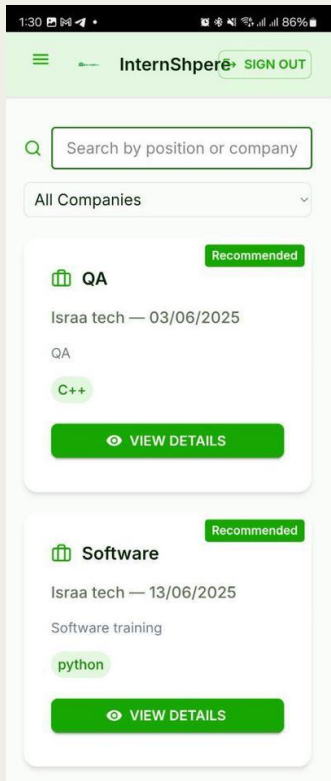
For Students



For Students



For Students



For Students

1:30 86%

InternSphere SIGN OUT

My Applications

Search by title or company...

Backend
Israa tech

Applied Screening Interview Reject

Software
Israa tech

Applied Screening Interview Reject

Frontend internship
Israa tech

Applied Screening Interview Accept

internsphere-1.web.app/studentInterface

Finish update All Bookmarks SIGN OUT

My Applications

Search by title or company...

Backend
Israa tech

Applied Screening Interview Reject

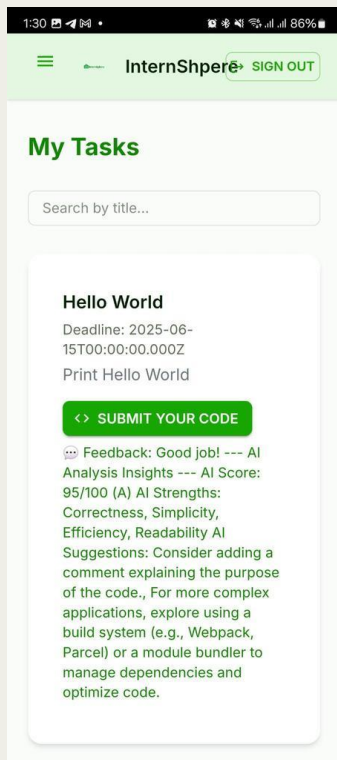
Software
Israa tech

Applied Screening Interview Reject

Frontend internship
Israa tech

Applied Screening Interview Accepted

For Students



1:30 86%

InternSphere SIGN OUT

My Tasks

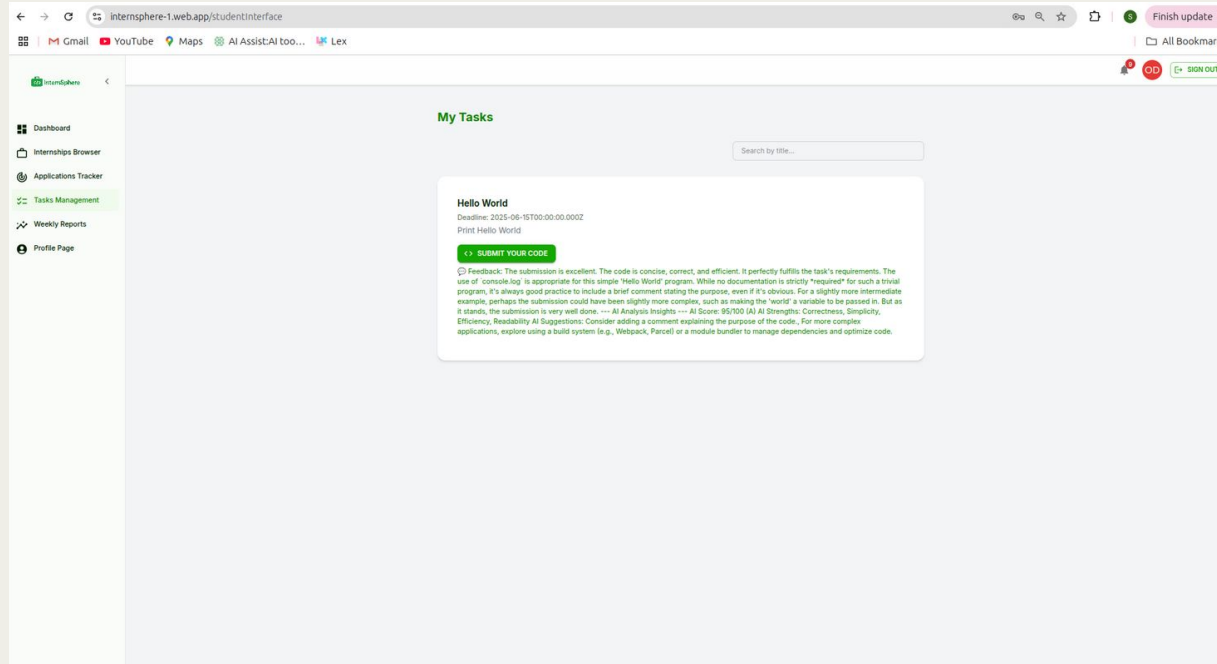
Search by title...

Hello World

Deadline: 2025-06-15T00:00:00.000Z
Print Hello World

<> SUBMIT YOUR CODE

Feedback: Good job! --- AI Analysis Insights --- AI Score: 95/100 (A) AI Strengths: Correctness, Simplicity, Efficiency, Readability AI Suggestions: Consider adding a comment explaining the purpose of the code., For more complex applications, explore using a build system (e.g., Webpack, Parcel) or a module bundler to manage dependencies and optimize code.



internsphere-1.web.app/studentinterface

Finish update

All Bookmarks

SIGN OUT

My Tasks

Search by title...

Hello World

Deadline: 2025-06-15T00:00:00.000Z
Print Hello World

<> SUBMIT YOUR CODE

Feedback: The submission is excellent. The code is concise, correct, and efficient. It perfectly fulfills the task's requirements. The use of `console.log` is appropriate for this simple 'Hello World' program. While no documentation is strictly 'required' for such a trivial program, it's always good practice to include a brief comment stating the purpose, even if it's obvious. For a slightly more intermediate example, perhaps the submission could have been slightly more complex, such as making the 'world' a variable to be passed in. But as it stands, the submission is very well done. --- AI Analysis Insights --- AI Score: 95/100 (A) AI Strengths: Correctness, Simplicity, Efficiency, Readability AI Suggestions: Consider adding a comment explaining the purpose of the code., For more complex applications, explore using a build system (e.g., Webpack, Parcel) or a module bundler to manage dependencies and optimize code.

For Students

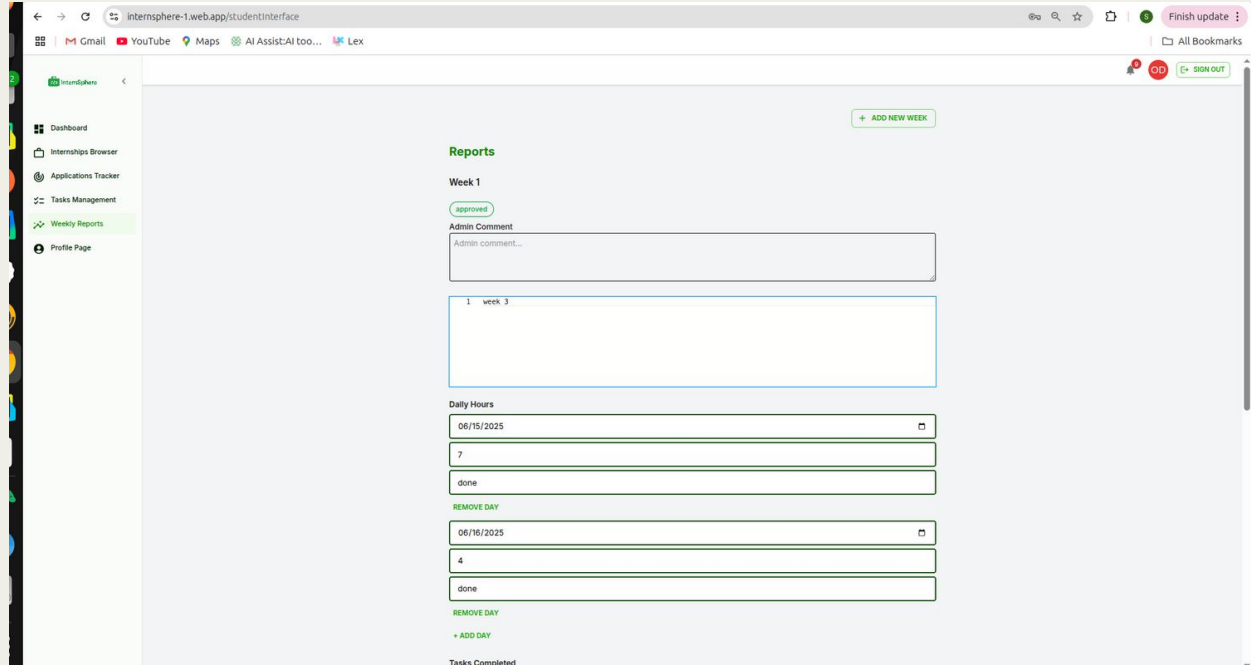
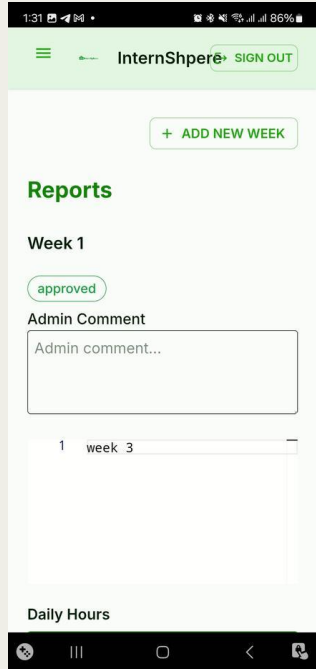
The screenshot displays a web browser window with the URL `internsphere-1.web.app/studentinterface`. The browser's address bar includes search, star, and refresh icons, along with a 'Finish update' notification. The browser's bookmark bar shows 'All Bookmarks'. The page header features a 'SIGN OUT' button with a notification icon.

The main content area is titled 'My Tasks' and displays a task submission card for 'Submitting: Hello World'. The card shows the following details:

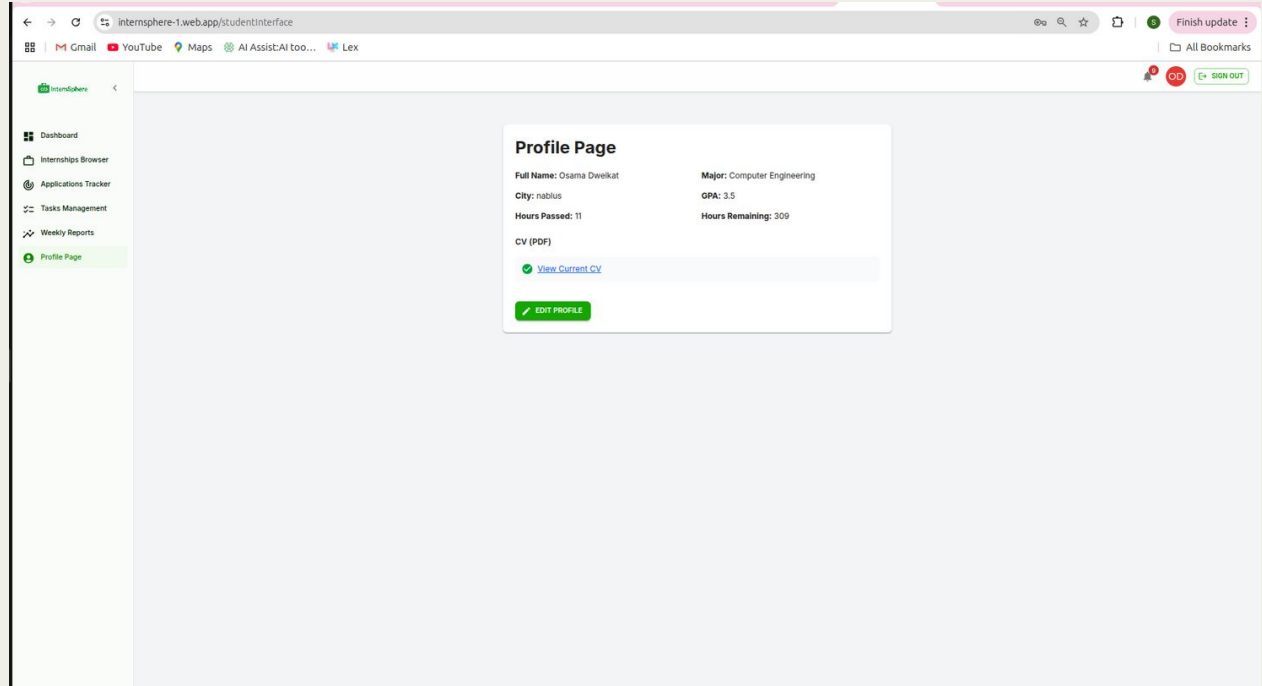
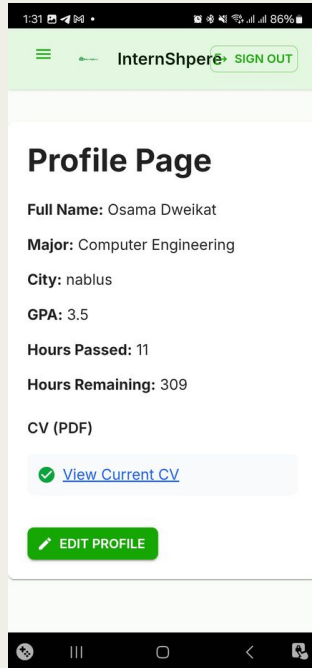
- Status: completed
- Deadline: 2025-06-15T00:00:00.000Z
- Print Hello World
- A warning message: **This task is already submitted and cannot be edited.**
- AI Feedback** section:
 - Grade: A
 - Score: 95/100
 - Feedback: The submission is excellent! The code is concise, correct, and efficient. It perfectly fulfills the task's requirements. The use of `console.log` is appropriate for this simple 'Hello World' program. While no documentation is strictly "required" for such a trivial program, it's always good practice to include a brief comment stating the purpose, even if it's obvious. For a slightly more intermediate example, perhaps the submission could have been slightly more complex, such as making the "world" a variable to be passed in. But as it stands, the submission is very well done.
- Choose File: No file chosen
- Language: plaintext (selected in a dropdown menu)

At the bottom of the card, there are 'BACK' and 'SUBMIT' buttons.

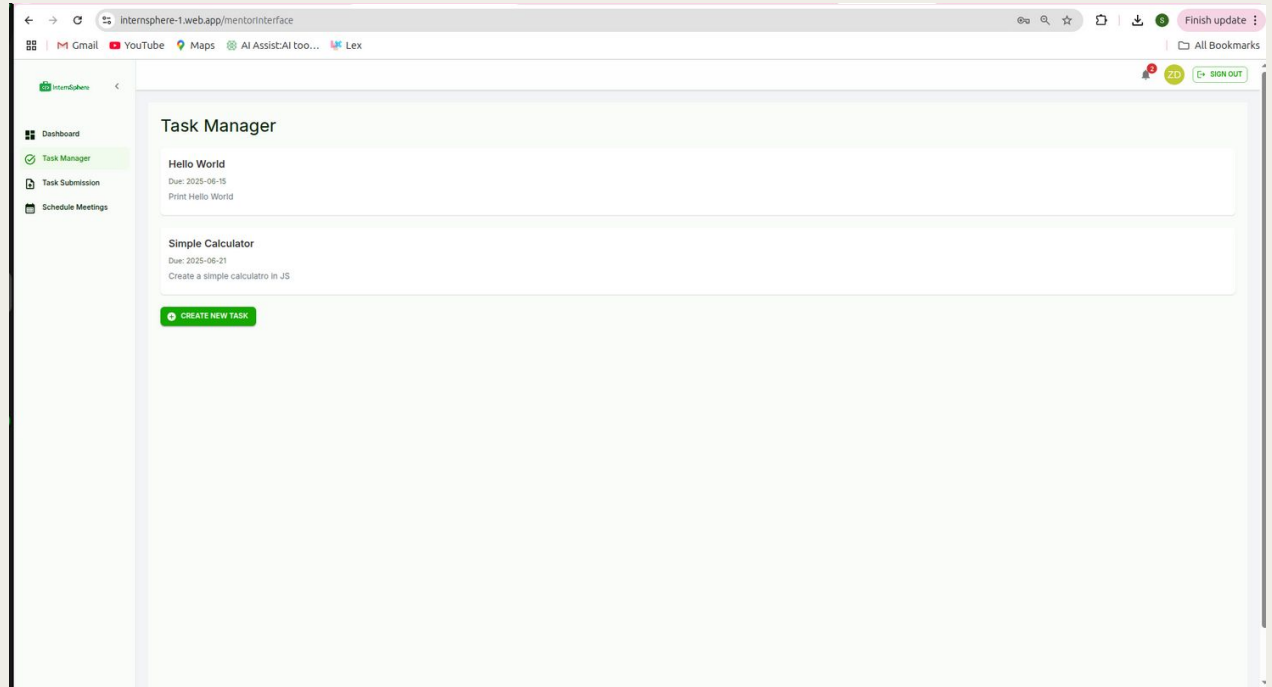
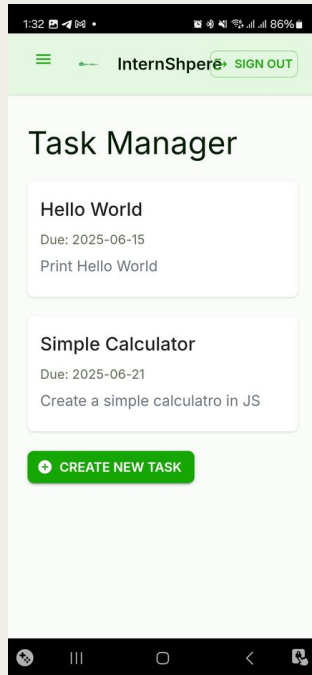
For Students



For Students



For Companies - Training Mentors



For Companies - Training Mentors

1:32 86%

InternSphere SIGN OUT

Create New Task

Title

Due Date

Description

Assign to Students

Ali Arafat Sohaib Arafat

Osama Dweikat

CANCEL CREATE

This is a mobile app screenshot of a 'Create New Task' form. The form includes a title input field, a due date dropdown menu, a description text area, and a list of students to assign the task to. The students listed are Ali Arafat, Sohaib Arafat, and Osama Dweikat. At the bottom, there are 'CANCEL' and 'CREATE' buttons.

Create New Task

Title

Due Date
mm/dd/yyyy

Description

Assign to Students

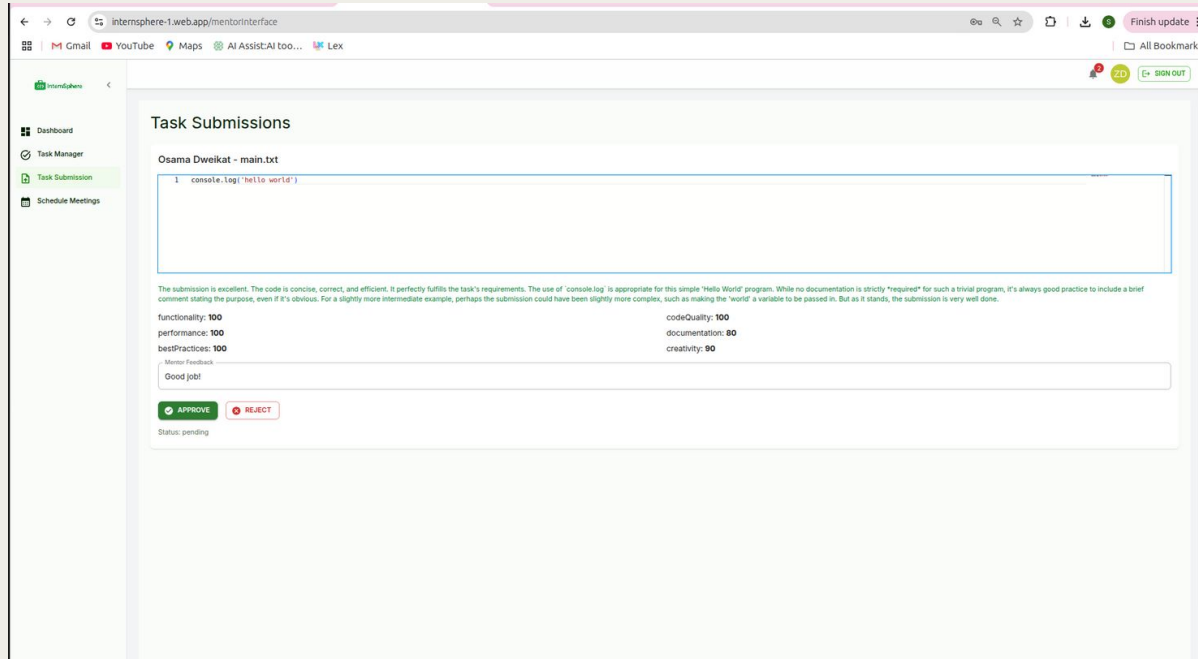
All Arafat Sohaib Arafat

Osama Dweikat

CANCEL CREATE

This is a desktop version of the 'Create New Task' form. It features a title input field, a due date input field with a calendar icon and a placeholder 'mm/dd/yyyy', a description text area, and a list of students to assign the task to. The students listed are All Arafat, Sohaib Arafat, and Osama Dweikat. At the bottom, there are 'CANCEL' and 'CREATE' buttons.

For Companies - Training Mentors



The screenshot displays the 'Task Submissions' page in the InternSphere Mentor Interface. The browser address bar shows 'internsphere-1.web.app/mentorinterface'. The left sidebar contains navigation options: Dashboard, Task Manager, Task Submission (highlighted), and Schedule Meetings. The main content area shows a submission for 'Osama Dweikat - main.txt' with the following code:

```
1 console.log('hello world')
```

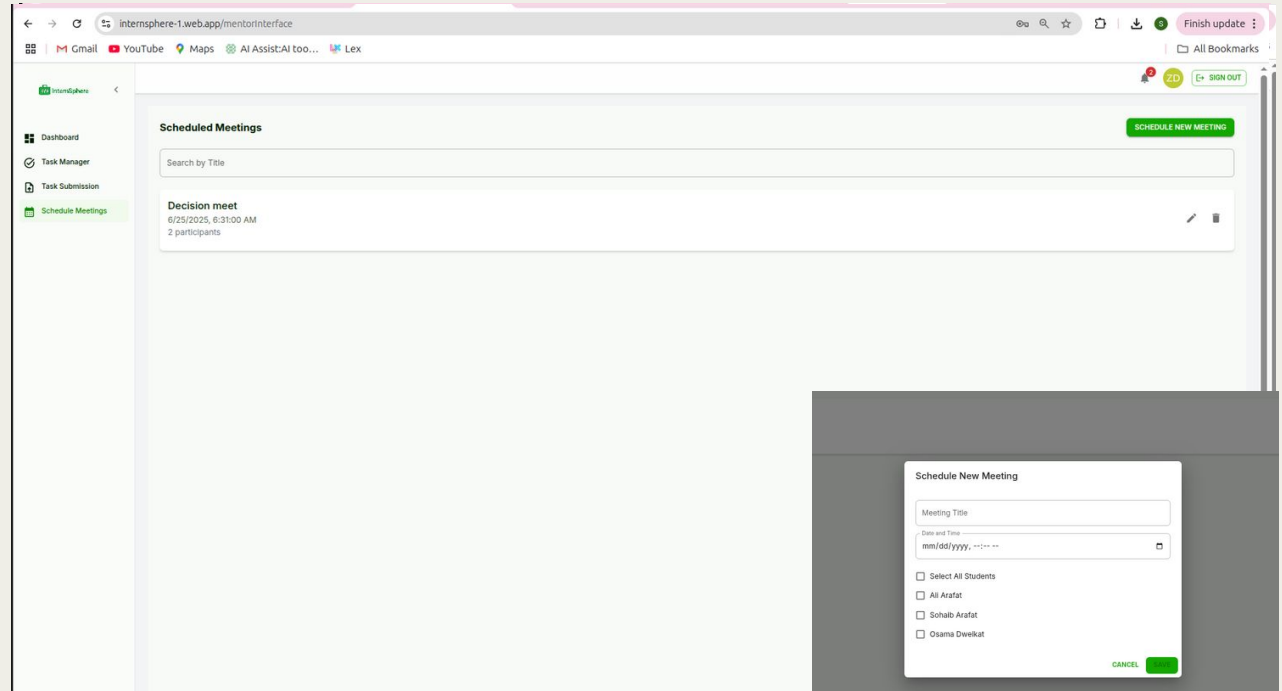
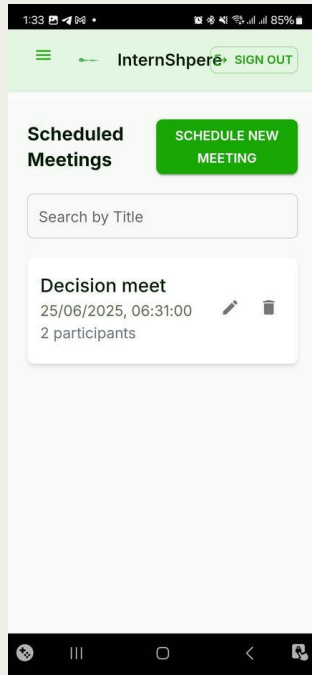
Below the code, a feedback message reads: "The submission is excellent. The code is concise, correct, and efficient. It perfectly fulfills the task's requirements. The use of 'console.log' is appropriate for this simple 'Hello World' program. While no documentation is strictly 'required' for such a trivial program, it's always good practice to include a brief comment stating the purpose, even if it's obvious. For a slightly more intermediate example, perhaps the submission could have been slightly more complex, such as making the 'world' a variable to be passed in. But as it stands, the submission is very well done."

Performance metrics are displayed as follows:

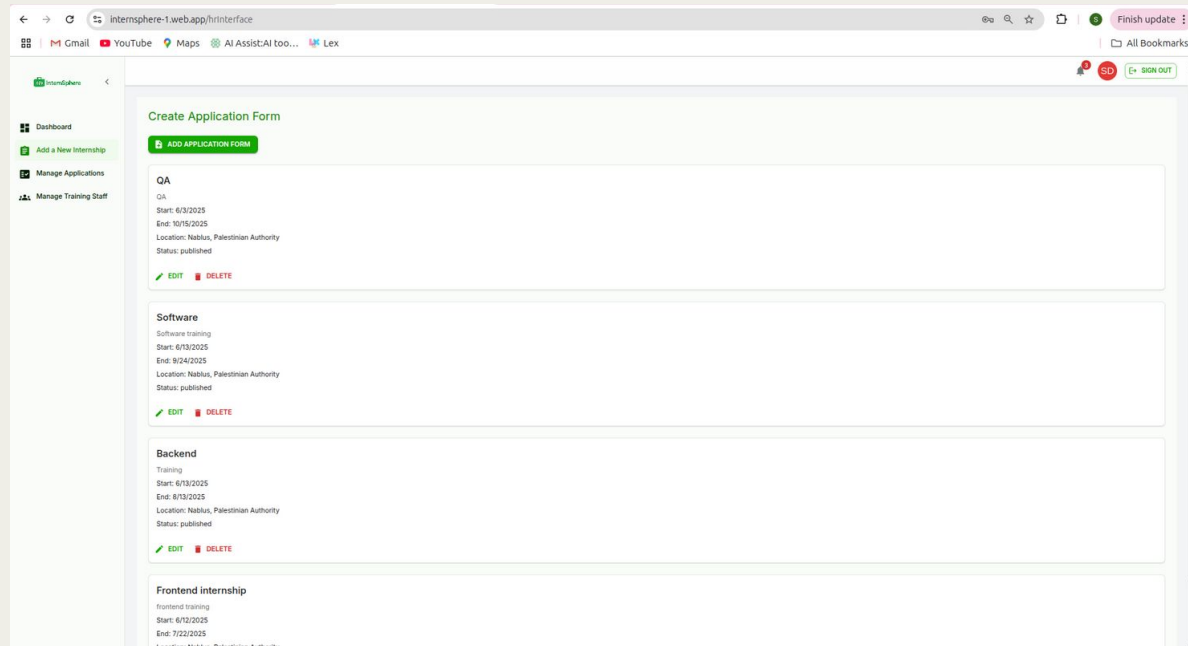
functionality: 100	codeQuality: 100
performance: 100	documentation: 80
bestPractices: 100	creativity: 90

A 'Name-Feedback' field contains the text "Good job!". At the bottom, there are two buttons: "APPROVE" (green) and "REJECT" (red). The status is indicated as "Status: pending".

For Companies - Training Mentors



For Companies - Training Managers



The screenshot displays the InternSphere web application interface. The browser address bar shows the URL `internsphere-1.web.app/hr/interface`. The page title is "Create Application Form". A sidebar on the left contains navigation links: "Dashboard", "Add a New Internship", "Manage Applications", and "Manage Training Staff". The main content area features a "Create Application Form" section with a green "ADD APPLICATION FORM" button. Below this, there is a list of application forms, each with a title, description, start and end dates, location, and status. Each form entry includes "EDIT" and "DELETE" buttons.

Title	Description	Start	End	Location	Status	Actions
QA	QA	6/3/2025	10/15/2025	Nablu, Palestinian Authority	published	EDIT DELETE
Software	Software training	6/13/2025	9/24/2025	Nablu, Palestinian Authority	published	EDIT DELETE
Backend	Training	6/13/2025	8/3/2025	Nablu, Palestinian Authority	published	EDIT DELETE
Frontend internship	frontend training	6/12/2025	7/22/2025	Nablu, Palestinian Authority		

For Companies - Training Managers

Add Application

Title

Description

Requirements

Start Date

End Date

Application Deadline

Work Mode

Location

Address

City

Country

Is Remote

Required Skills

+ ADD SKILL

Application Questions

+ ADD QUESTION

Required Skills

Skill Name

Level

+ ADD SKILL

Application Questions

Question 1 Description

Question Type

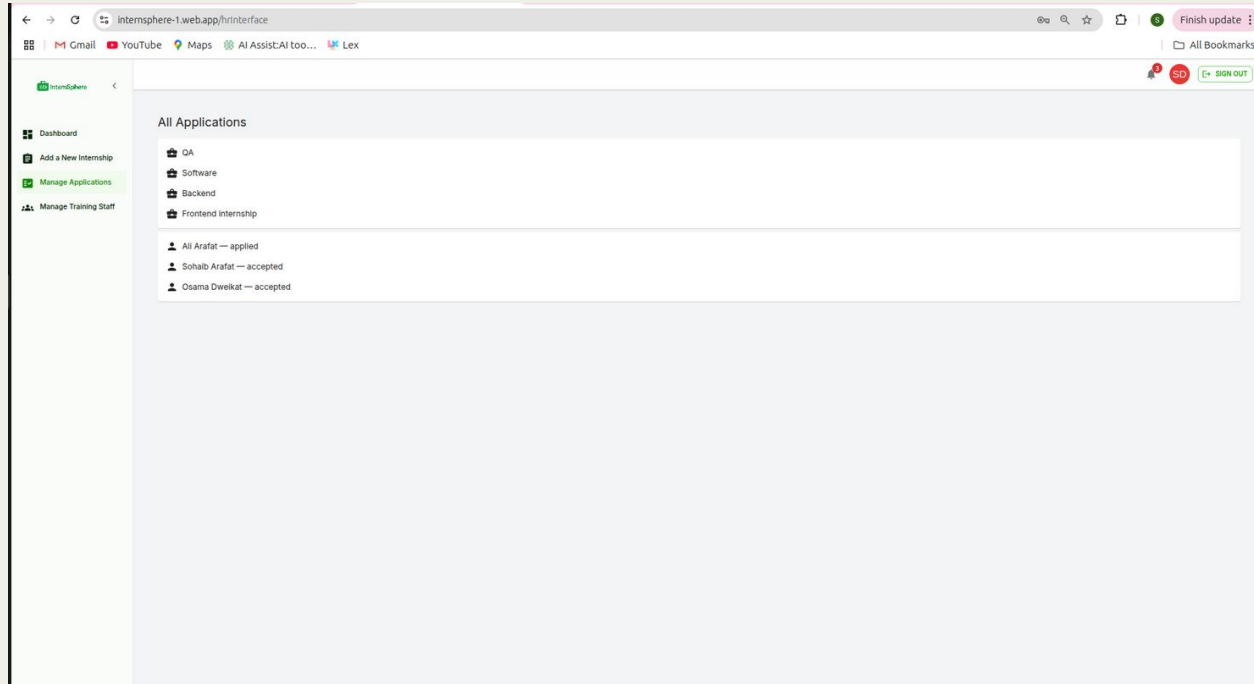
- Text
- Radio Box
- Select Box
- Combo Box
- Checkbox

Apply for Frontend internship

Linked In link

City

For Companies - Training Managers



For Companies - Training Managers

Ali — Stage: applied

AI Analysis
Overall Score: 35
Recommendation: REJECT

Feedback:
Ali, your application is incomplete. A resume and cover letter are essential for showcasing your qualifications and interest in this internship. Without these, it's impossible to assess your skills, experience, and suitability for the role. You also need to explicitly list your skills and career interests to demonstrate how this internship aligns with your goals. Also, please provide your GPA. Providing only a LinkedIn link and a city is insufficient. A strong application would include: 1) A detailed resume outlining your relevant skills (especially JavaScript), projects, and experiences. 2) A compelling cover letter highlighting your motivation, relevant coursework, and how you can contribute to the team. 3) Your GPA to assess academic performance. Please resubmit your application with complete information.

Interviewer Notes:
Application is currently unusable. If the resume and cover letter are submitted, prioritize assessing Javascript proficiency through technical questions and gauging interest in frontend development during the interview. Check the linkedin account to assess if there is additional information.

Cv Link: [Click To See CV](#)

Continue to see the answers:

NEXT REJECT

Ali — Stage: screening

Answered Questions:

- Linked In link ? linkedin.com
- City ? Rammallah

NEXT REJECT

Ali — Stage: interview

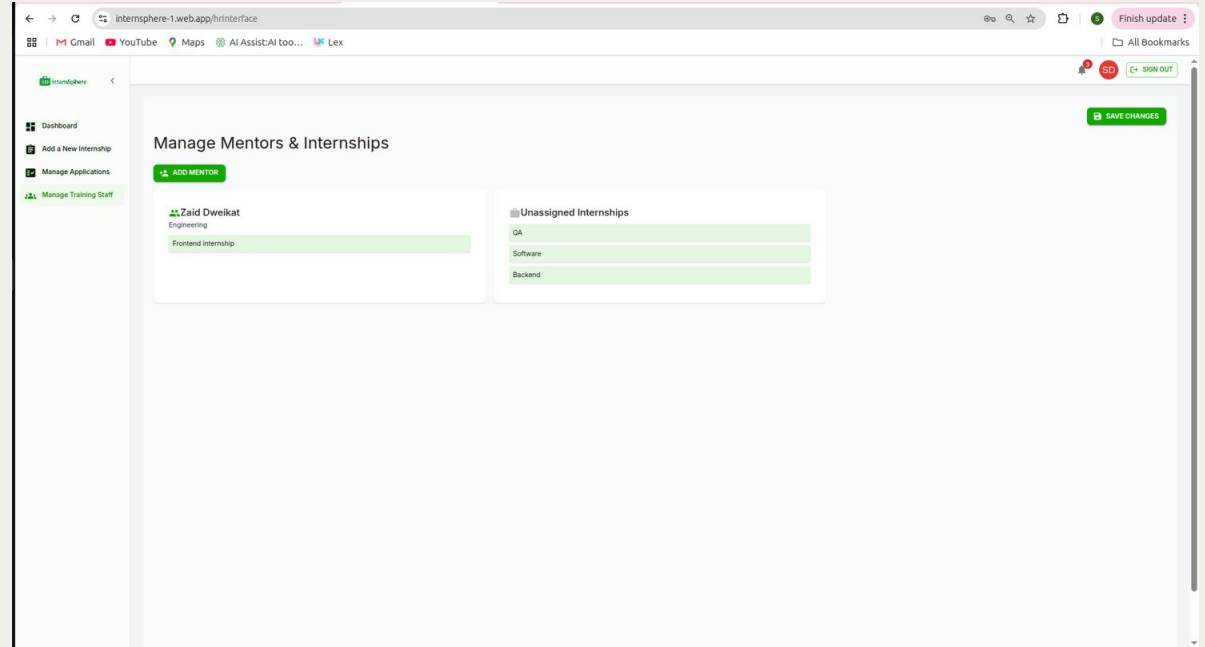
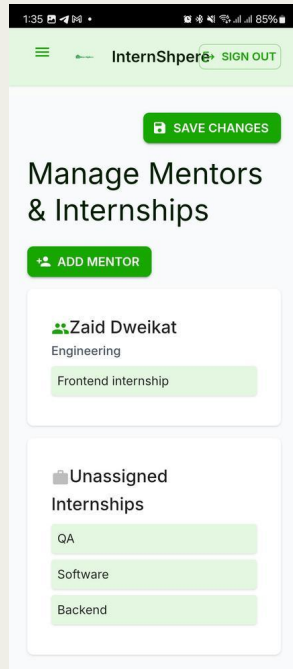
INTERVIEW SCHEDULE

mm/dd/yyyy, --:-- --

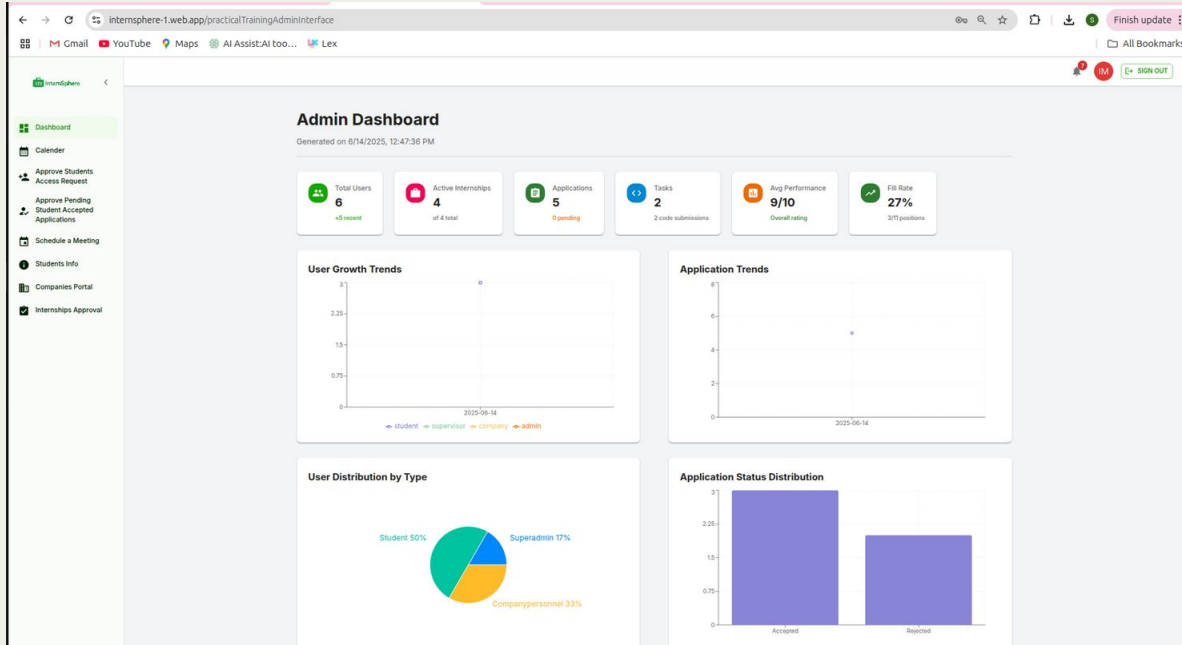
SCHEDULE

APPROVE REJECT

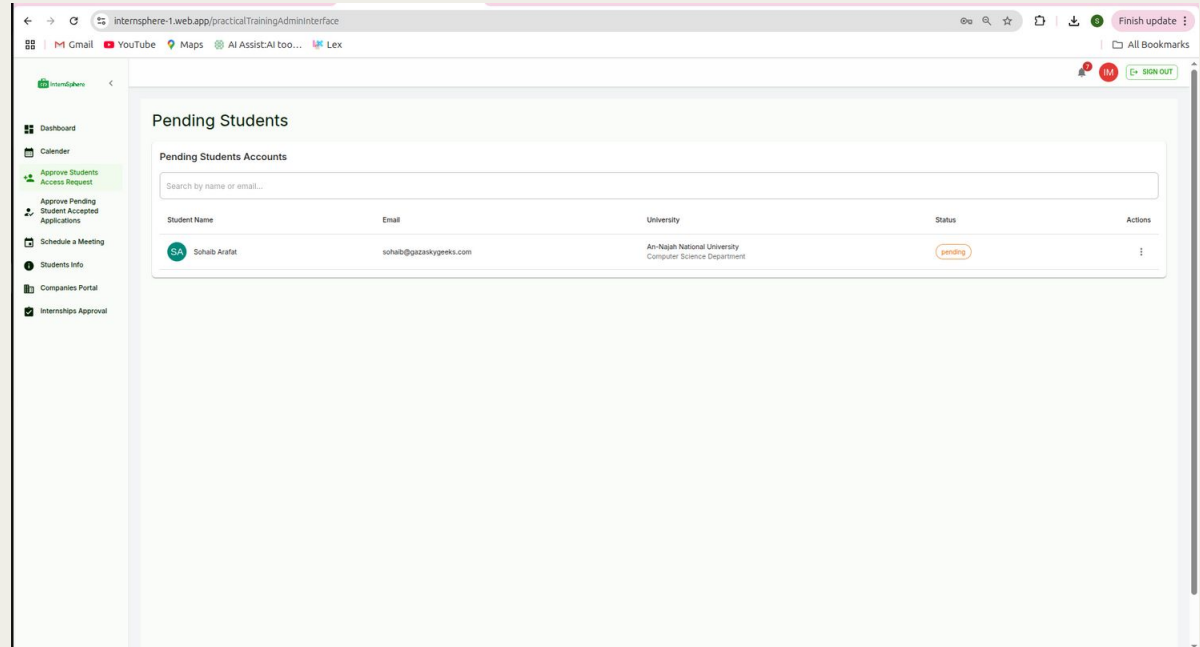
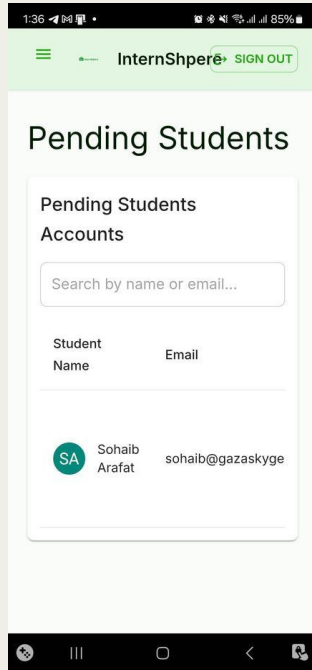
For Companies - Training Managers



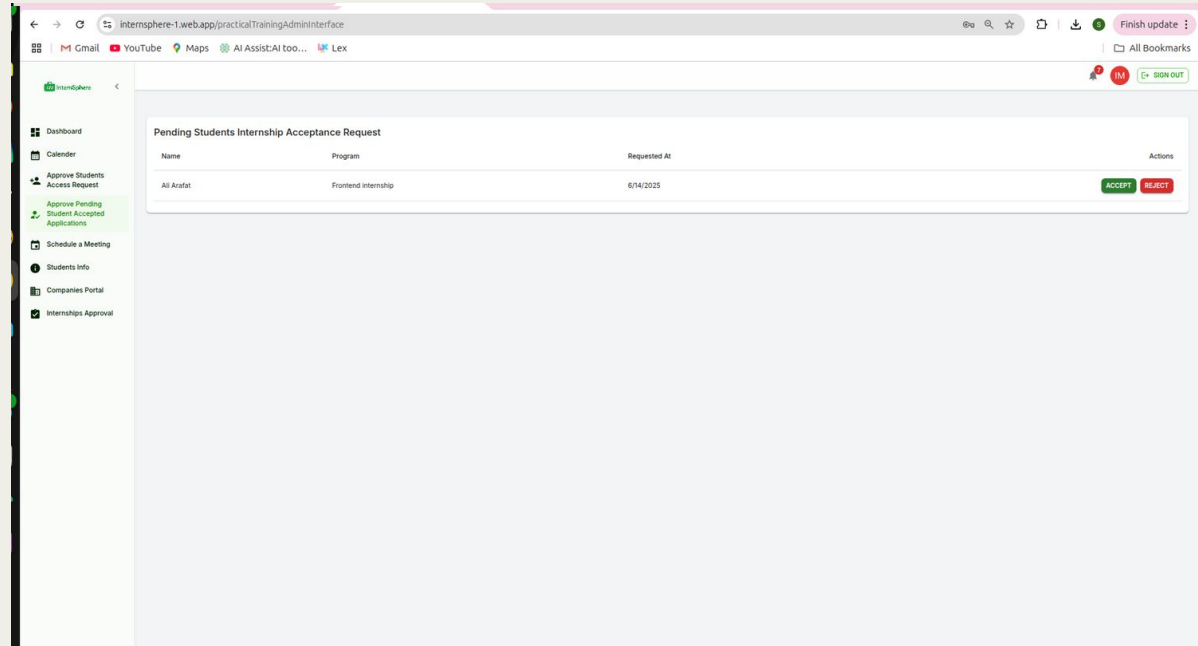
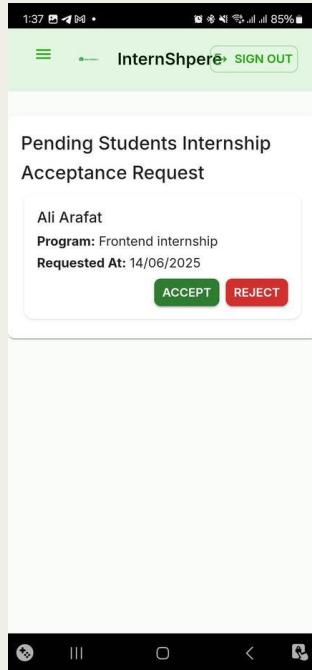
For Universities



For Universities



For Universities



For Universities

1:37 85%
InternSphere SIGN OUT

Weekly Reports

Search Student

Osama Dweikat - Week 1

Student Info
Email: xelofi5247@hosily.com
Student ID: 06a4aeb9e89bb664e221a8c
Internship: Frontend Internship
Company: Israa tech
Department: Computer Science Department
Total Hours: 11
Cumulative Hours: 11
Approval Status: approved

Week Summary
Submission Date: 14/06/2025
Summary: week 3
Achievements: done
Challenges: done
Skills Learned: done
Goals For Next Week: done
Daily Hours:
- 15/06/2025: 7h (done)
- 16/06/2025: 4h (done)

Feedback (optional)

APPROVE REJECT

InternSphere SIGN OUT

Weekly Reports

Search Student

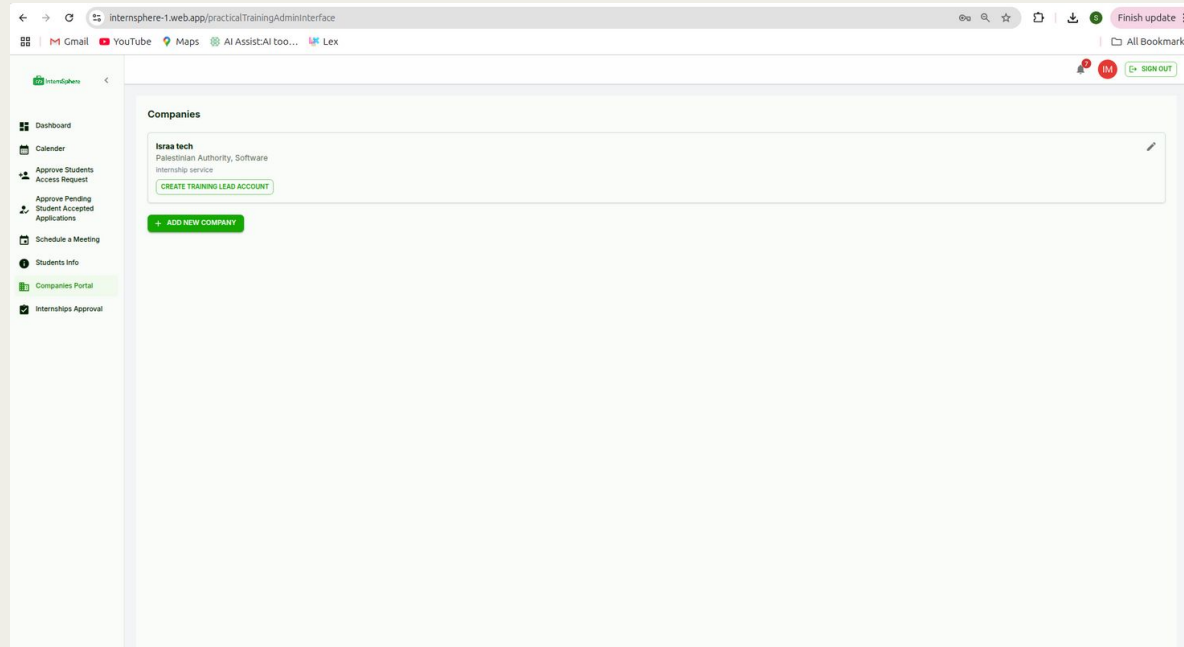
Osama Dweikat - Week 1

Student Info
Email: xelofi5247@hosily.com
Student ID: 06a4aeb9e89bb664e221a8c
Internship: Frontend Internship
Company: Israa tech
Department: Computer Science Department
Total Hours: 11
Cumulative Hours: 11
Approval Status: approved

Week Summary
Submission Date: 6/14/2025
Summary: week 3
Achievements: done
Challenges: done
Skills Learned: done
Goals For Next Week: done
Daily Hours:
- 6/15/2025: 7h (done)
- 6/16/2025: 4h (done)
Feedback (optional): approved

APPROVE REJECT

For Universities



For Universities

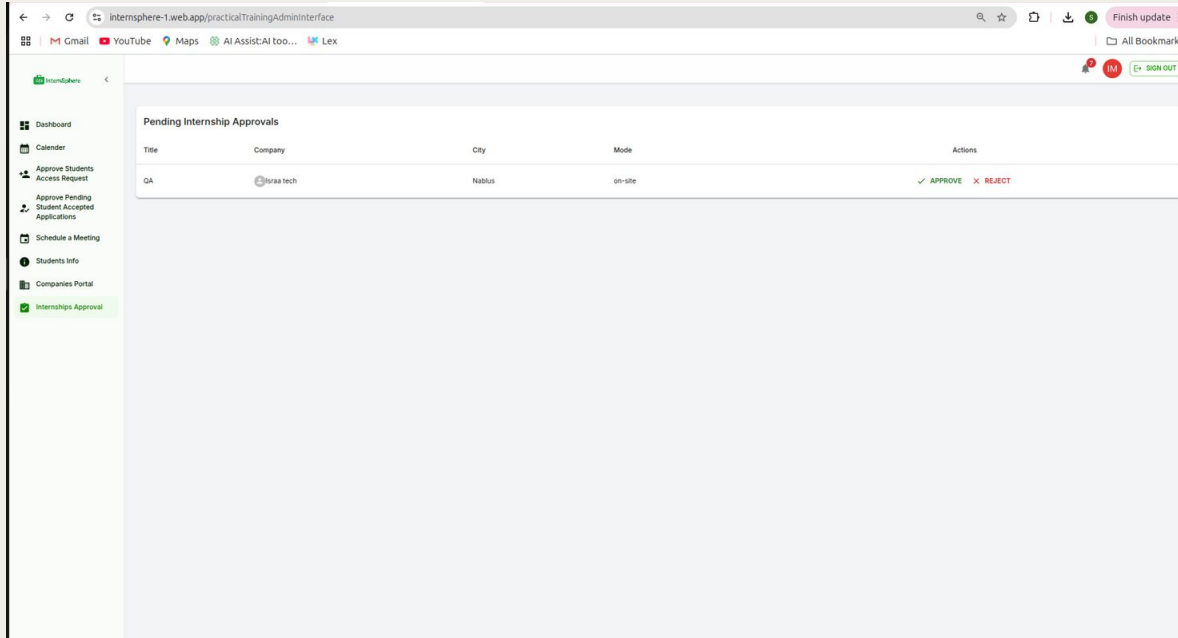
Add Company

✕ CANCEL + ADD

Create Training Manager (HR)


✕ CANCEL + CREATE

For Universities



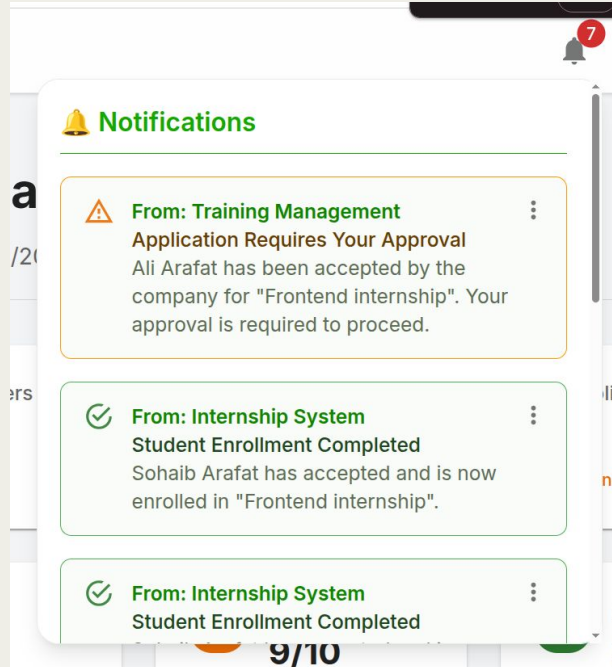
The screenshot displays a web browser window with the URL `internsphere-1.web.app/practicalTrainingAdminInterface`. The browser's address bar shows several tabs: Gmail, YouTube, Maps, AI Assist: AI too..., and Lex. The browser interface includes a search icon, a star icon, a download icon, and a 'Finish update' button. A notification icon with a red badge and a 'SIGN OUT' button are also visible in the top right corner.

The main content area of the application is titled 'Pending Internship Approvals'. It features a table with the following columns: Title, Company, City, Mode, and Actions. The table contains one row of data:

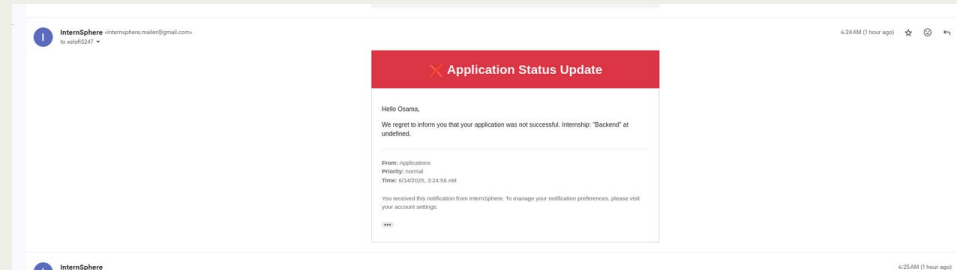
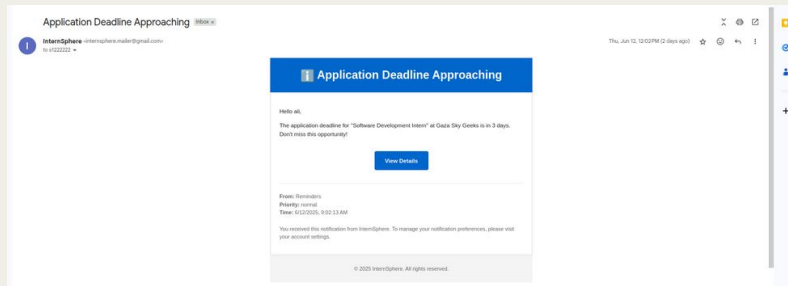
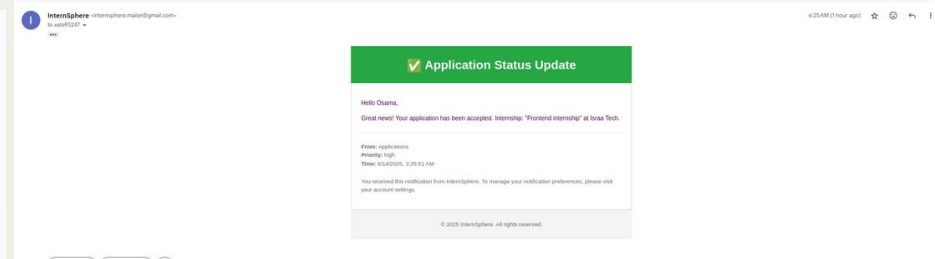
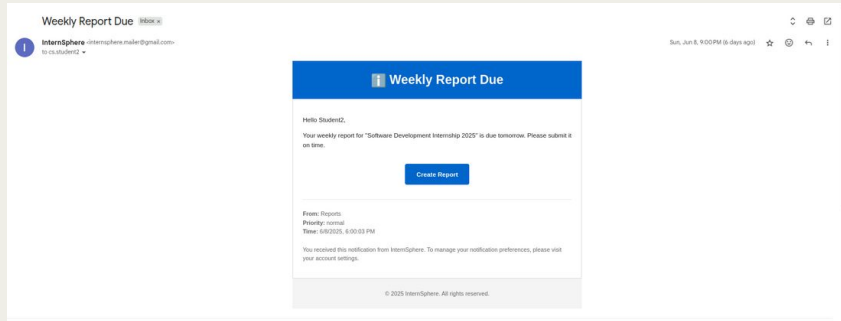
Title	Company	City	Mode	Actions
QA	 Straa tech	Nablu	on-site	✓ APPROVE ✗ REJECT

A sidebar on the left side of the application contains a menu with the following items: Dashboard, Calendar, Approve Students Access Request, Approve Pending Student Accepted Applications, Schedule a Meeting, Students Info, Companies Portal, and Internships Approval (highlighted in green).

Emails & Notifications



Emails & Notifications



CONSTRAINTS

Time Constraint

Limited semester timeframe to build a complex system with multiple user types



Testing Environment

Constraint

Limited access to real users for testing during development



Technical Expertise

Constraint

Learning new technologies while building the system



FUTURE WORK

Advanced Reporting and

Analytics

Create more detailed reports and data visualization

Enhanced Notification System

Add more notification channels and customization options

Multi-Language Support

Learning new technologies while building the system

Thank you!
