POLITECNICO

MILANO 1863

SCUOLA DI INGEGNERIA INDUSTRIALE
E DELL'INFORMAZIONE

Student & Companies

TESI DI LAUREA MAGISTRALE IN
COMPUTER SCIENCE AND ENGINEERING

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0.1. Project Identification

- **Project Name:** Students
  Companies (S&C) Platform

- **Authors:** Berk Yonder - 10994918, Erdem Cobanoglu - 11045157, Cem Sertkaya - 11033767

- **Repository Link:** GitHub Repository

- **Main Reference Documents Considered:**

  - Requirement Analysis and Specification Document (RASD)

  - Design Document (DD)

  - User Guide / Developer Documentation

0.2. Installation Setup

Installation Steps Followed:

1. Ensure Docker is installed on your system.

2. Clone the repository using:

   ```
   git clone https://github.com/Harques/CobanogluYonderSertkaya
   cd CobanogluYonderSertkaya
   ```

3. If downloaded as a ZIP file, extract it and navigate to the extracted folder.

4. Move to the IT directory:

   ```
   cd IT
   ```

5. Run the following command to build and start the services:

   ```
   docker compose up --build
   ```

6. Access the application at `http://localhost:3000`.

7. To stop the services, use:

   ```
   docker compose down
   ```

0.3. Acceptance Test Cases and Outcomes

Test Case	Test Scenario	Steps to Execute	Expected Outcome
1. User Login (Company)	Verify login functionality for a company user.	Navigate to http://localhost:3000, enter email erdem.cobanoglu@gmail.com and password zorolsun321, click login.	Successful login.
2. User Login (University)	Verify login for a university user.	Same as Test Case 1 with email erdem.cobanoglu@mail.polimi.it	Successful login.
3. User Login (Student)	Verify login for a student user.	Same as Test Case 1 with email cem.sertkaya@mail.polimi.it.	Successful login.
4. Job Posting by Company	Verify a company can post a job.	Log in as company, navigate to job posting, enter details, submit.	Job is posted successfully.
5. Application Submission by Student	Verify a student can apply for a job.	Log in as student, browse jobs, apply for one.	Application submitted.
6. Profile Update	Verify users can update profiles.	Log in, navigate to profile, edit details, save changes.	Profile updated.
7. Recommendation Functionality	Verify job search feature.	Use recommendation page to find relevant jobs.	Accurate search results and percentage of matching.
8. Logout Functionality	Ensure users can log out.	Click logout after login.	Successfully logged out.
9. Security Check	Prevent unauthorized access.	Try accessing without login.	Redirected to login page.
10. Job Editing by Company	Verify that a company can edit an existing job posting.	• Log in as a company user • Navigate to job postings • Select a job to edit, update details, and save changes	Job posting is updated and changes are accurately reflected.

11. Session Timeout	Verify that inactive sessions are automatically logged out.	• Log in as any user • Remain inactive for the configured timeout period	User is automatically logged out after the specified period of inactivity.
12. Mobile Responsiveness	Verify that the application displays correctly on mobile devices.	• Access the application on smartphones and tablets • Check layout, navigation, and functionality	Application is responsive and user-friendly on mobile devices.
13. Complaint Submission (University)	Verify that the complaint submission page for university users loads correctly.	• Log in as a university user • Navigate to the complaints section • Observe that the complaint form is displayed (currently it shows a blank screen)	The complaint form should load with all required fields and instructions; currently, a blank screen indicates a defect to be addressed.
14. Internship Browse - Missing Search and Filter Options	Verify that the student browse internship page does not offer search and filter options.	• Log in as a student user • Navigate to the internship browse section • Observe the page layout and available options	Search and filter options are not provided on the internship browse page (this is a known issue to be addressed).

15. Incorrect Password Handling	Verify that when an incorrect password is entered, a generic error message is shown.	• Navigate to `http://localhost:3000` • Enter a valid email but an incorrect password • Click login	The system displays a generic error message (e.g., "An error occurred") instead of stating "wrong password."

0.4. Quality of Documentation and Code

- **Code Readability:** Well-structured but requires better inline documentation.
- **Code Efficiency:** Efficient use of containerized services.
- The code is well structured and comply with the RASD and DD.

0.5. Effort Spent

Team Member	Hours Spent
Shaurya Aditya Singh	3 hours
Ergun Gani Çalışkan	3 hours
Mohammadali Khaledi	3 hours
Total	9 hours

0.6. References

- GitHub Repository
- Drive Link for Full Project