

Volunteer Portal Implementation Details

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Overview:

This portal is built using ReactJs, HTML, CSS and Javascript. It allows users to login either as a student or a professor depending on which it changes the displayed homepage. Since there is no backend we cannot maintain the user session and hence every time you refresh the page the user is logged out. This portal supports *route protection*, i.e. if you have not logged in you will be redirected to the home page. So, everytime the page refreshes you will have to login again. The portal is completely responsive.

Accounts:

Student

Username – sdt1234@mavs.uta.edu

Password – student123

Professor

Username – prof4321@uta.edu

Password – professor123

Pages before Login:

Homepage

Shows a simple welcome text explaining what this portal is and an image sourced from here (https://images.g2crowd.com/uploads/product/image/social_landscape/social_landscape_b8826cc01484bd77dfb2070118eacbd0/volunteerhub.png) which acts as a logo for the portal.

Has a footer which allows to navigate to the About Us, Contact and Services page.

About Us

A simple page explaining in detail what this portal is.

Contact Us

Gives a simple form which helps you to contact the managing team of the portal.

Services

Shows the various features offered by the portal.

User Authentication and Registration:

Login Page

Allows a user to either login as a student or a professor, their credentials are given above. Stores the credentials in a JavaScript object, which is then used for route protection. So, if you are not logged in you will be redirected to the homepage. Has a **Forgot Password** page embedded into it so that you can get a password reset email, if the entered email exists.

Register Page

Allows the user to create a new account. Though, right now, since we do not have a backend, we cannot store the data, but we have enforced some checks for each data type. For example, you cannot enter and submit an alphabet in the telephone field. Each email address should either end in mavs.uta.edu or uta.edu etc.

Graduate Dashboard

Dashboard

Progress Tracking – Shows two important metrics i.e **Number of Hours Worked** and **Tasks Completed**. Along with this it also has a navbar which provides access to a calendar which is interactive and allows students to submit a report.

Displays pending tasks that are to be completed by the student.

Calendar

Provides an interactive calendar to the student which allows students to the tasks and their deadlines. Clicking on each task helps students to see the entire task details including start date.

Submit Report

Students can use the provided form to submit a report (pdf) along with justification of hours, summary and their accomplishments.

Professor Dashboard

Dashboard

Provides a simple homepage which displays all the students that are being supervised by the professor. Furthermore, it also displays a list of tasks created by the professor. Additionally, it also allows professors to view the reports submitted by the students.

Reports

This page is dedicated to allowing the professor to review the reports submitted by the students. The page displays the summary, justification of hours and a button to view the uploaded attachment. Additionally, it also has a button which displays the **AI Anti cheating report** for this report submitted by the student.

Feedback on the reports. The same page contains a small form which the professor can use to give a feedback to the student on their report.

Task Management

Graduates

Displays a list of tasks to the students which helps them to see the priorities, deadlines and details of the task.

Additionally, has a button which can be used to **Mark the task as Completed**, which takes the task and removes it from the pending list and adds it to the completed task list on the side.

Professors

Provides a sidebar which helps them to see all the tasks that they have created. Additionally, providing them with a form to create new tasks and assign them to certain student.

Weekly Reports and AI Anti-Cheating Mechanism

Graduates can submit a weekly report with a summary of their work using the **Report** page in their navbar.

On the same page they also have to provide a justification of 21 hours of work.

They can use the same page to upload a pdf for their report.

We have implemented the AI anti checking on the professor side. Professor has a button when reviewing the report which generates a report of various parameters trying to analyze the report to prevent cheating and use of chat-gpt. Since, we do not have a backend, this is still static.