



OCTOBER 31, 2024

WEB DESIGN & DEVELOPMENT

COURSEWORK 1: DESIGN

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Introduction

Our web design company is bidding for a contract to produce a website to support the delivery of online teaching to students. This report provides insights into the details of requirements, in particular, describing tasks that are required to incorporate into the website in order to have it functioning.

Furthermore, wireframes included in this report will support the identified tasks and produce a visual appearance of the website.

Finally, a navigation map will be the key in outlining how a user can navigate the website and who can access which parts of the website.

Tasks

The following are the tasks that a student or the administrator can perform on the website.

Task 1

Role: Admin/Student

Task: Log In

Details: Both an administrator and students will log in using their credentials (student/admin number and a password). An admin will have full control of the website while students will be granted less privileges and be able to view only course related material/modules.

Task 2

Role: Admin

Task: Delete a student

Details: An admin will remove the student's details from the website, therefore; they will no longer have access to the website.

Task 3

Role: Admin

Task: Add a student

Details: An admin will add the student's details to the website, thus allowing them to log in and view the content of the website.

Task 4

Role: Admin

Task: Enrol the student to a subject

Details: An admin will add students to their designated subjects.

Task 5

Role: Admin/Student

Task: Website navigation

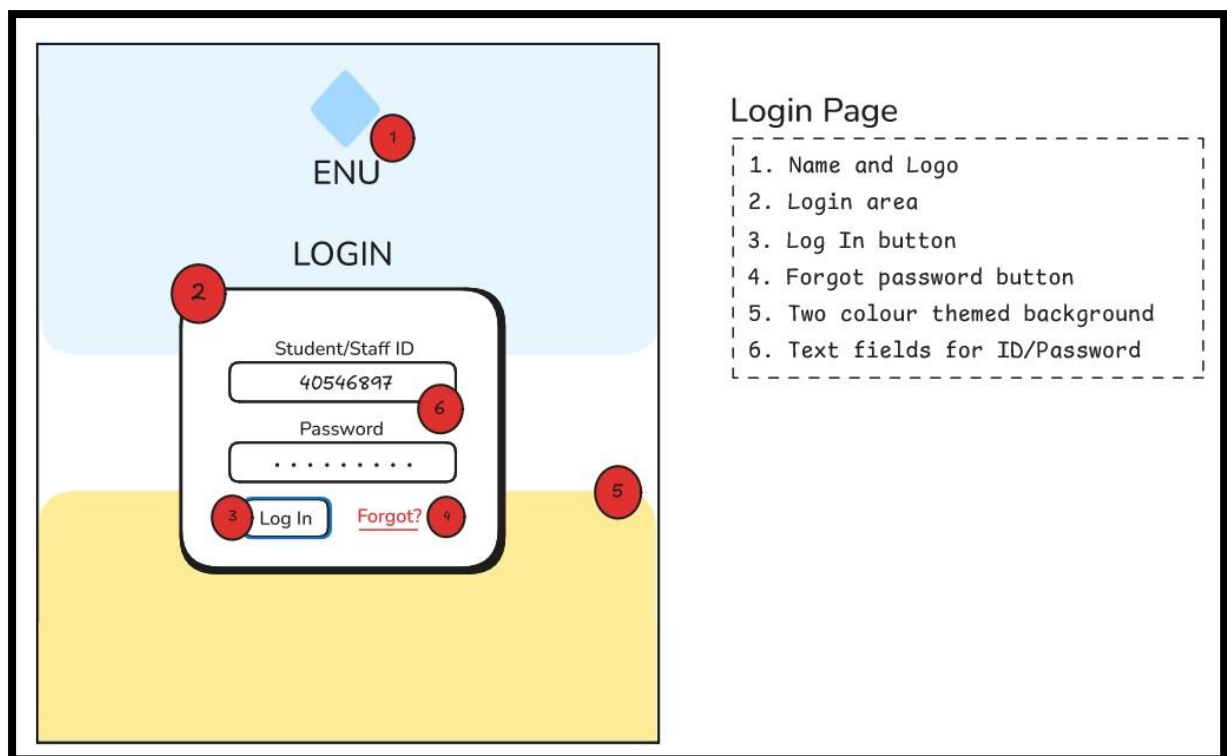
Details: Both student and admin will be able to navigate through the website using various links. Access level would depend on privileges given to a user.

Design

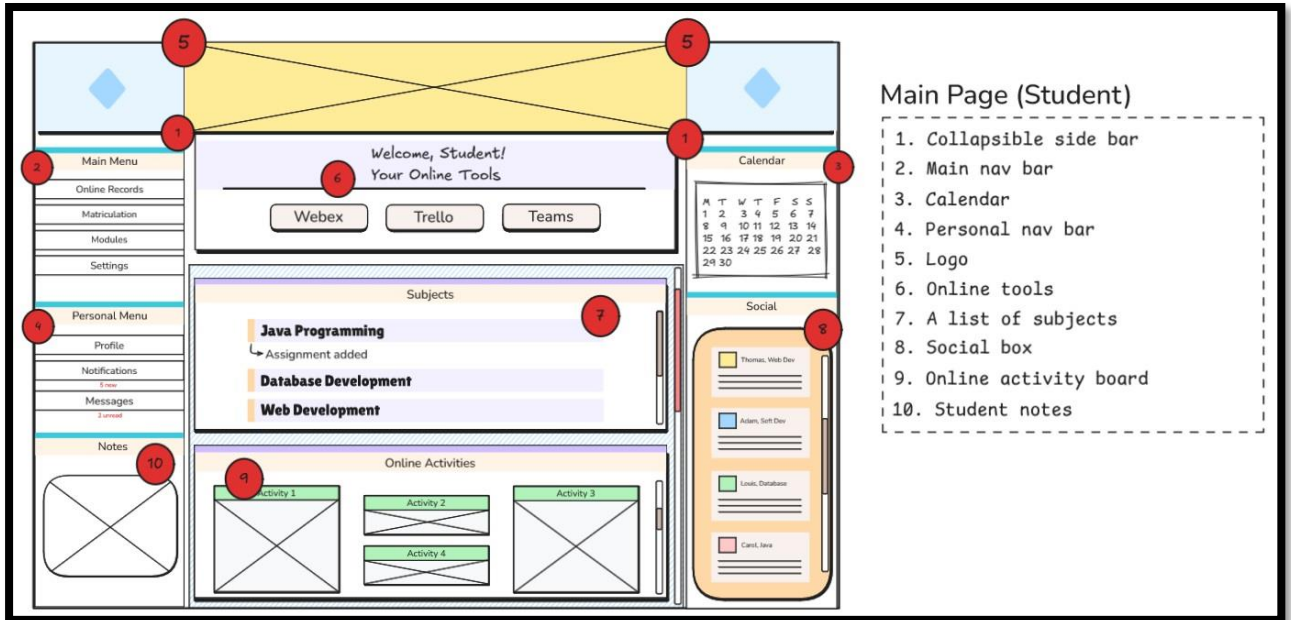
This section provides visual information of the layout of the website and its pages. In addition, a navigation map shows all possible ways that a student/administrator can navigate through the website.

A. Wireframes

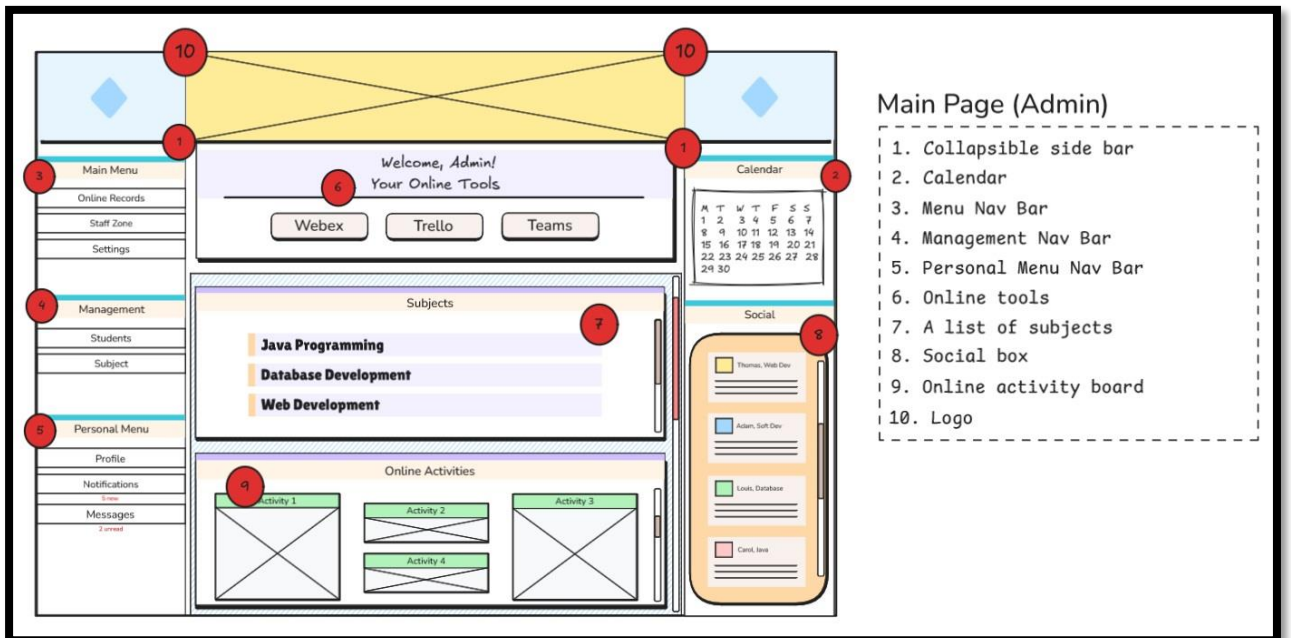
A simple login page that will appear each time a user opens the website. If a student is enrolled into any subject, they will be able to log in and access the site with student privileges. On the other hand, an admin can log in as well, but they will have admin privileges allowing them to see/access more content.



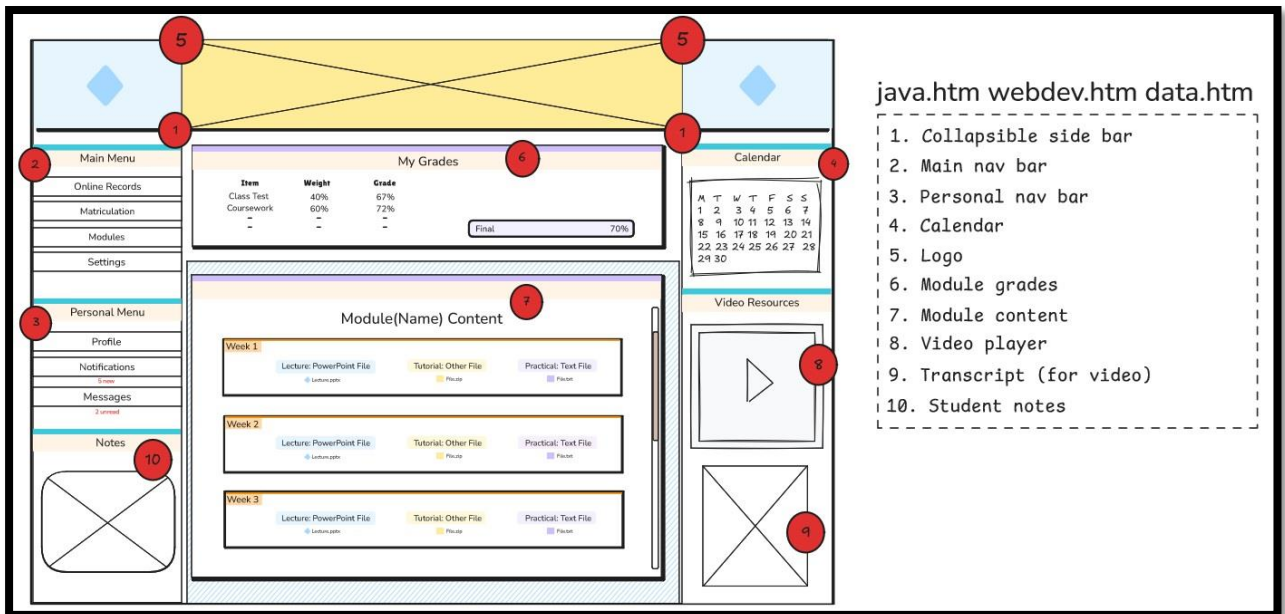
After log in, a student will be able to see the main page of the site. A welcome message, a list of subjects that they are enrolled and online activity section. On the left side, a student will have their main menu as well as personal menu for accessing their personal details, notification and messages. Furthermore, the side bar will have “notes” box where students can write any important messages for themselves. The right side bar will have a calendar and a “social” section, which would allow online students to communicate with each other (will not be implemented in the prototype).



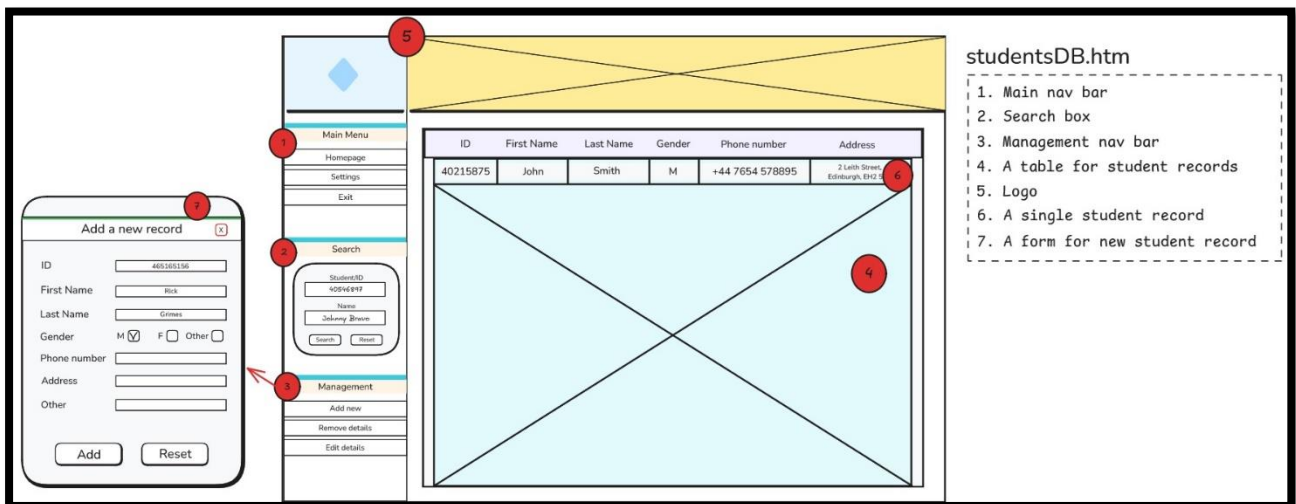
Below, we have the same main page but with admin privileges. An admin will additionally see management tab where they can access student and subject databases.



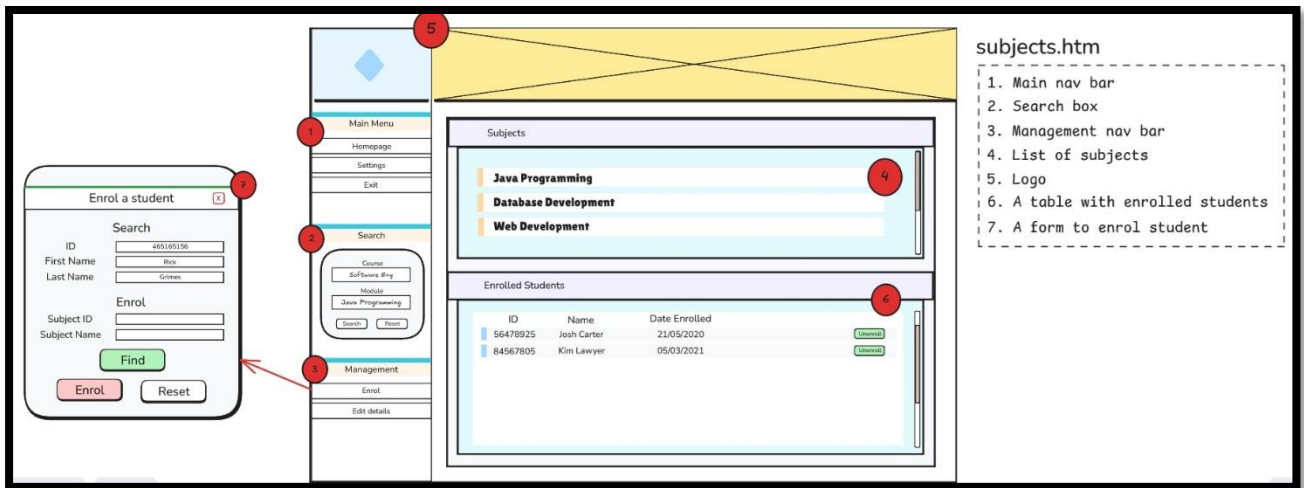
When a student/admin will click on a subject, they will be directed to the main subject page. It will consist student grades at the top as well as module content below. A weekly schedule with lecture/tutorial/practical files. The right side bar will consist a video player, which can be used for module overview/other visual information (will not be implemented in the prototype).



Below, an admin can access student database page with a list of all students. They can use search option to look for a specific student. Moreover, an admin can edit/delete their records. In addition, an admin can add a new student record with a click of a button (a pop up will appear).



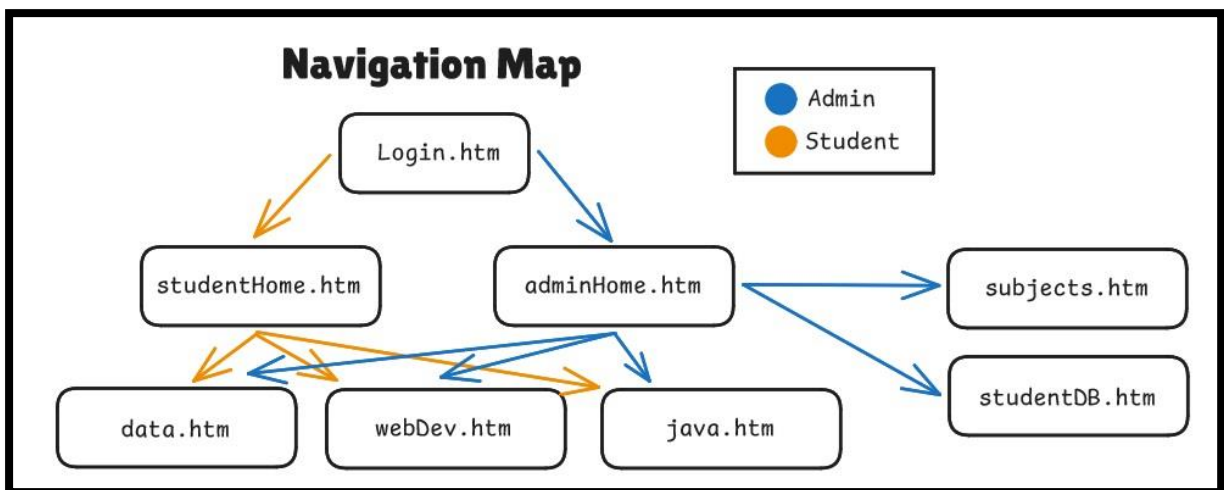
The subject's database works in a similar way as described above. An admin can search for a specific subject and get the list of all students that are currently enrolled. An admin can unenroll them, or enrol to a subject (a pop up window appears).



B. Navigation

A simple navigation map showing where a user can go within the website. Admin is marked in blue who can access all subjects with admin privileges as well as student database and module page for student enrolment.

A student can only access subject pages that they are currently enrolled in.



Task Brief

This section describes how the design will allow tasks from the first section to be carried out.

Task 1

A log in form will ask a user to enter their credentials, a username (student/staff ID) and a password. Specific privileges will be granted upon log in. An admin will be able to view management menu and gain access to the database, whereas a student will simply be able to access their subjects and profile menu.

Task 2

An admin can delete any student record in the database by simply using the search function to find a student, and then click delete record button. A student will lose access to the website and therefore they will not be able log in anymore.

Task 3

An admin can also add new student records by going to student database and opening the “add new” pop up window. Inside there, an admin will enter details of the new students, which will be inserted into the database. Therefore, that student will be granted access to the website and be able to log in.

Task 4

An admin can enrol a student using similar approach to add a record. In the subjects page, an admin will click on enrol button, which will prompt a new pop up window. In there, a search function will help to find the specific student and then enrol them into the selected subject. In addition, if the student is not in the database, the search function will not work and return an error.

Task 5

A user will be able to navigate through the website using specific links/buttons, allowing accessing certain places, such as subjects’ page, homepage, database and other. A user will need to be logged in, in order to perform this task.

Conclusion

In conclusion, we have identified five tasks that are essential for this website to make a start. Both, student and admin can log in and perform certain tasks. We have also included wireframes of the website layout, which will be used when building an early prototype. The wireframes include colour schemes and layout/positioning of elements and therefore, helps to visualise how a real website will look.

Finally, we wrote a short description of what each task will perform and how it can be accomplished on the website.