CS 207 : PROJECT REPORT

TO-DO LIST

"Free up your mental space"

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Our thanks and appreciation also goes to each and every individual who has willingly helped us out with their abilities in any way possible.

ABSTRACT:

A ToDo list is a list of tasks you need to complete or things you want to do. Our website helps the users create their ToDo lists instead of the traditionally, hand-written lists on a piece of paper. This helps them remember important tasks or even deadlines. When you've got a clear outline of the tasks you've got to do and those you've completed, it helps you stay organized, while also allowing you to plan your workflow. This report provides information on the infrastructure of the website and details about how to use this website.

INTRODUCTION:

This project aims to list the data (i.e. tasks to be done) entered by the user and display them in the order of priority they wish to do. The users can add new tasks, tick mark the tasks that have been finished and can also delete them. People often feel completely overwhelmed by the amount of work they need to do or struggle to keep up with deadlines in home and personal life, or at workplace. We hereby present our project aimed at solving this issue.

METHODOLOGY:

The project has been divided mainly into two divisions:

- Front-end: For developing the graphical user interface of the website so that users can view and interact.
- Back-end: For providing a login/register facility and fetching the data inserted by the user.

FRONT-END:

The frontend part is done using CSS and EJS. CSS (Cascading Style Sheets) is a simple mechanism for beautifying and adding style (e.g., fonts, colors, spacing, etc.) to the web document. EJS is a templating language that lets you generate HTML markup with plain JavaScript. So, basically it offers an easier way to generate HTML dynamically.

For using the website, users have to Register (only if he/she is a new user) or Sign in (if they already have an account/ existing members). This will store the Usernames and Passwords of all the users logged on to the website.

Once the user clicks the Login button, they will be directed to the main page where they can see their Name's ToDo List. Then they can insert the tasks they want to add to their lists.

On clicking the Logout button, the user will be able to exit the page and will need to login again in order to access their list.

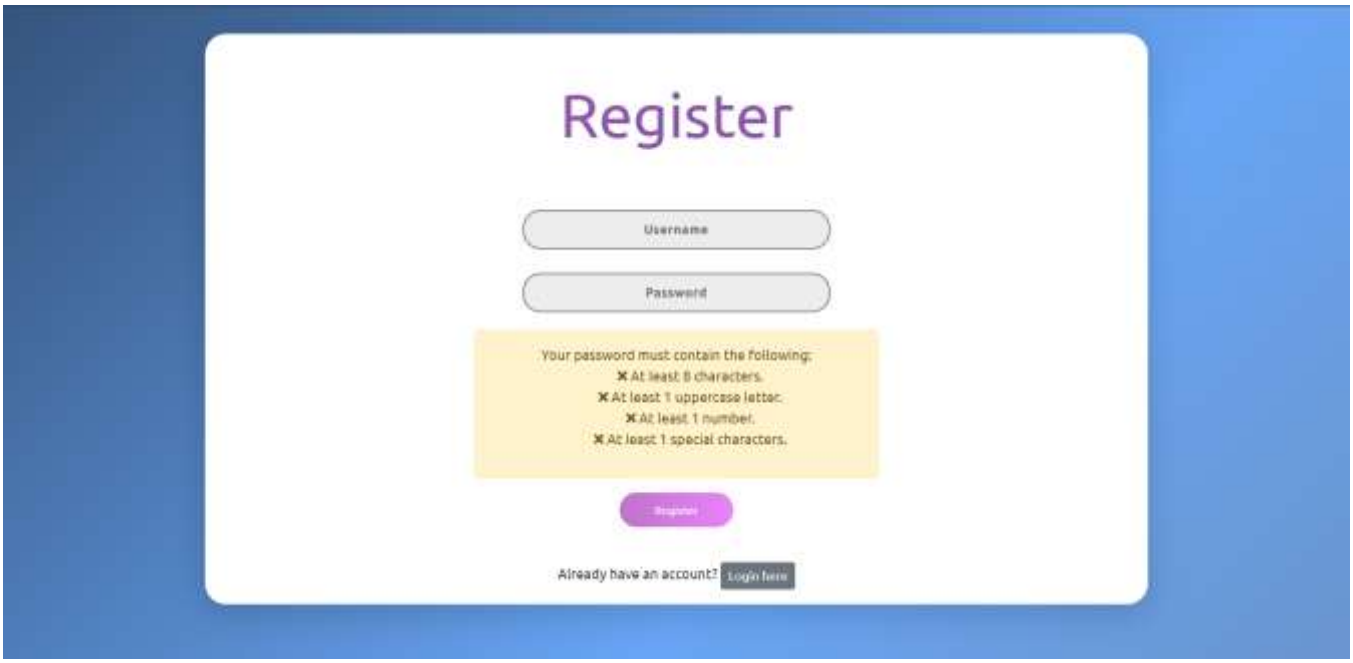
BACK-END:

There are mainly two tasks done at the backend using JavaScript:

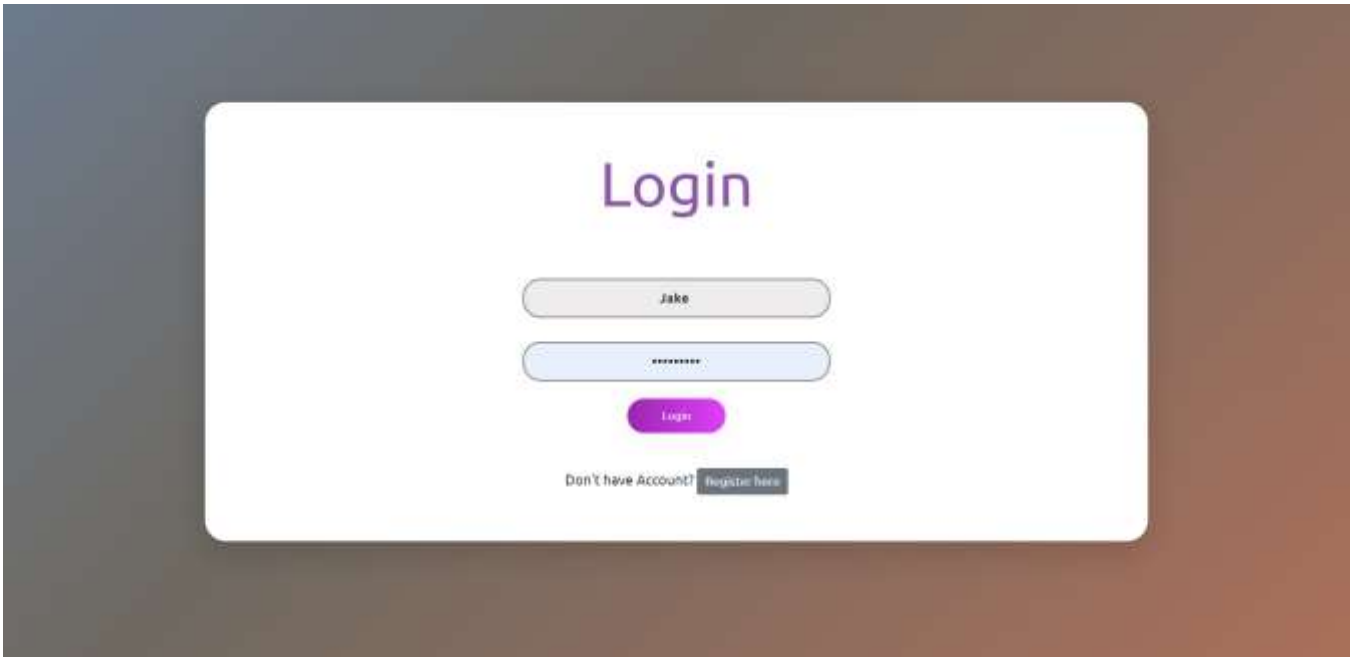
- Login/Register for existing and new members respectively. The strong password feature has also been added to ensure the privacy and security of data entered by the user. So the password at the time of registration will be validated only if adheres to the conditions (at least 8 characters, at least 1 uppercase letter, at least 1 number, at least 1 special character).
- Display the data that has already been entered by the user (data stored using MongoDB). The tasks can also be edited or deleted by clicking on the buttons adjacent to the bars.

OUTPUTS:

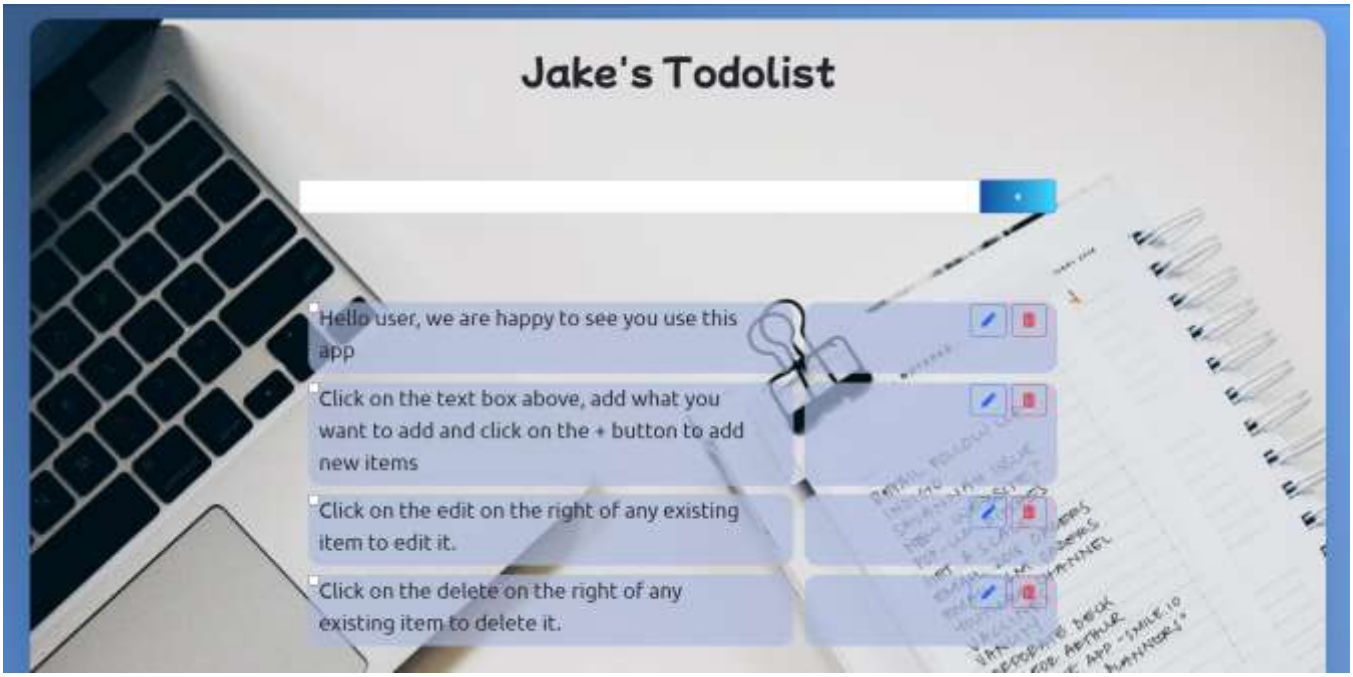
The registration page for first-time users:

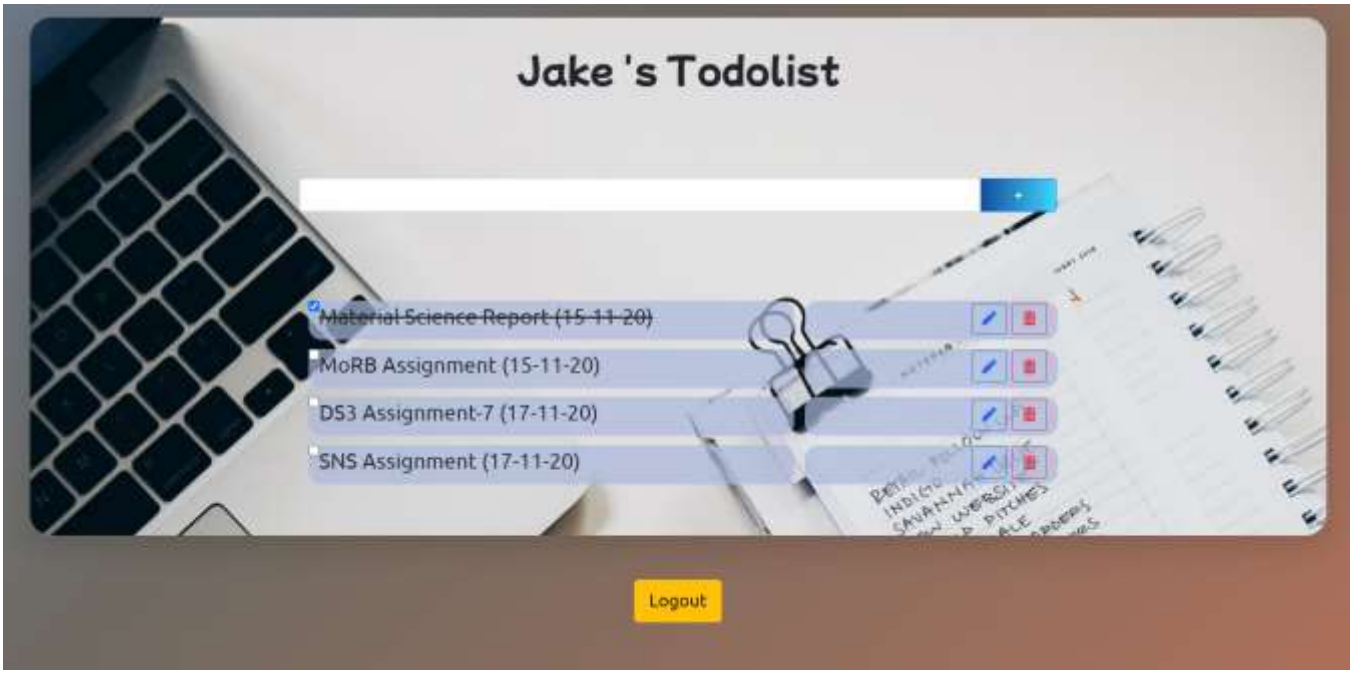


The login page for existing users:



After logging in, the user will see the webpage as shown:





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