ADP Project

Counselling Session Booking

G - 10

(B21136 , B21137 , B21138 , B21139 , B21140 , B21141)

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Acknowledgement :

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I would like to acknowledge that this project was completed entirely by the members of group G-10 which consists of me(B21140) , Shubham Kumar(B21136) , Smiti Oswal(B21137) , Somit Gond(B21138) , Sourav Sav(B21139) , Swati Shakya(B21141) and not by someone else.

Abstract :

Motive for making a counselling site is to provide counsel to every person who needs it. People have access to simple one-to-one interactions on this site. No more worrying about finding a counsellor first and then booking a session, here you get a counsellor of your own choice , who understands your problem and suggests to you what you should do.

Our job was to implement what we have learnt in the course ADP CS207 , and prepare a fully functioning system which would take costumer's registration and manage available sessions and booked sessions for Counselling purposes ; with an organised database system and an interactive interface (Website).

Introduction :

This project is about providing a platform for counselling.

This is an online platform where we provide counsellors to people.

Here , first people have to register their name for the counselling sessions then for booking a session they have to login on the site.

After login they got a list of different counsellors and the slots against each counsellor which are available.

These sessions start on the next day after booking.

Each person can book only one session a day.

Making Process :

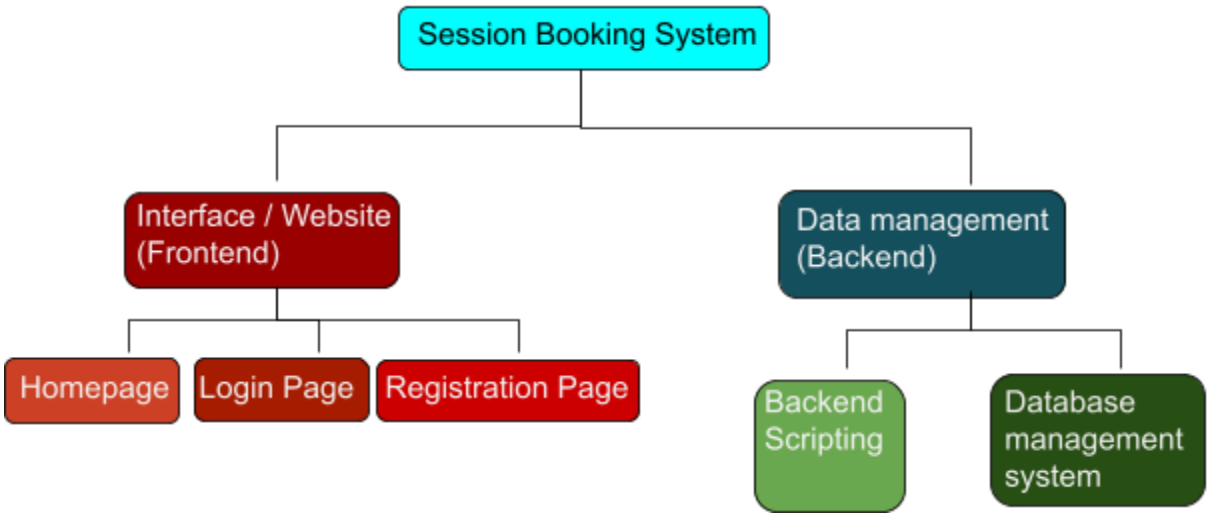
Programmes we are using for various purposes :

- HTML , CSS , Bootstrap template
- JavaScript
- NodeJS
- MongoDB

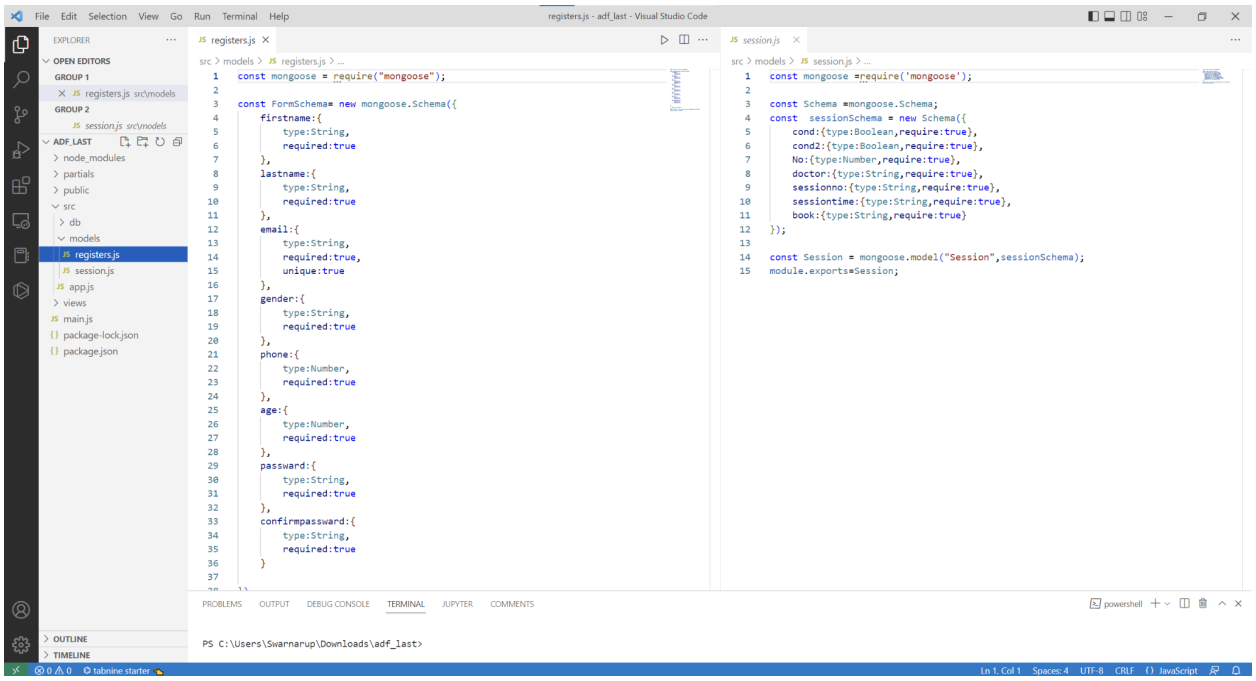
Editors and Proprietary consoles that are used :

- VS code , Sublime Text
- Node_js terminal shell
- Mongosh (MongoDB Shell)

We have divided our project into 2 parts - Frontend and Backend .

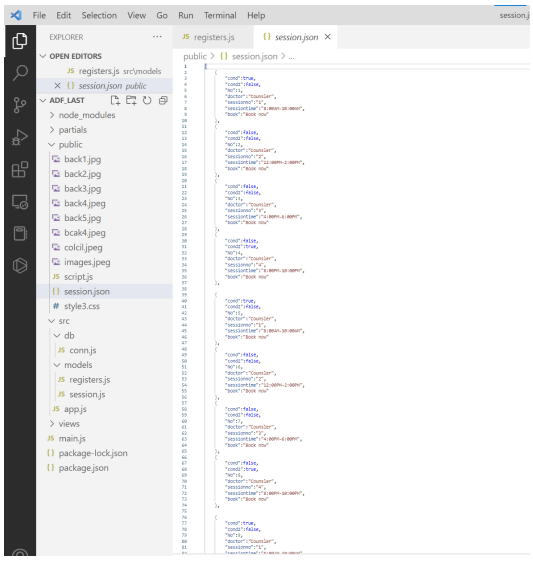


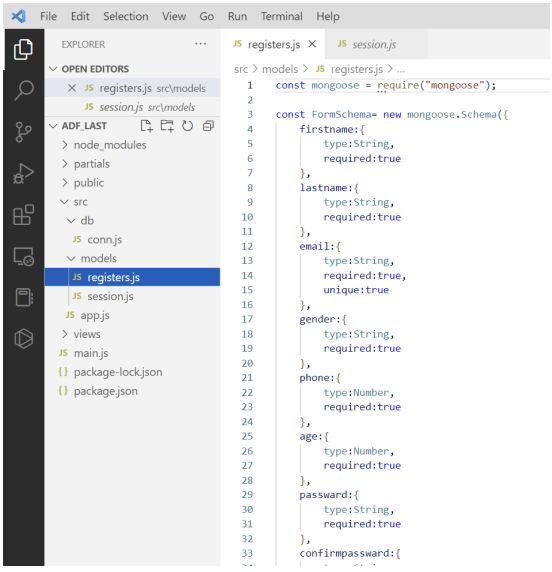
Frontend : For frontend we are using HTML , CSS and JavaScript. We have designed different templates for the Homepage , Registration page and Login page. Templates are designed using Bootstrap.



Backend : For backend processes we are using NodeJS and MongoDB . Here we have mainly 3 types of databases.

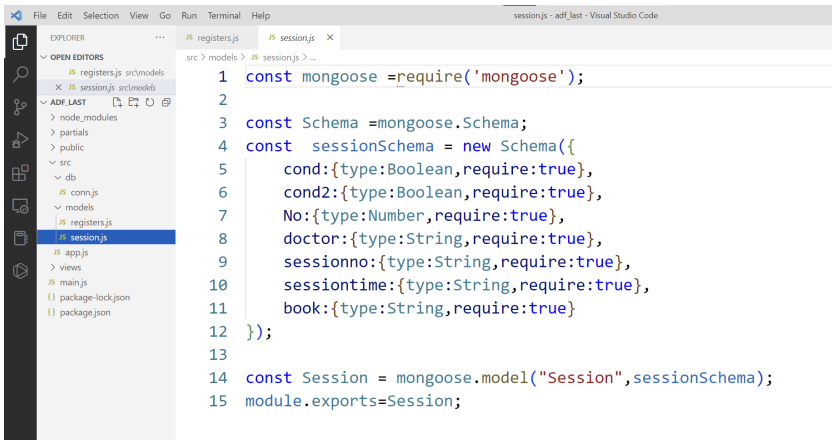
1. For keeping track of Counsellors' list : We are listing all the information of the Counsellors in JSON format.



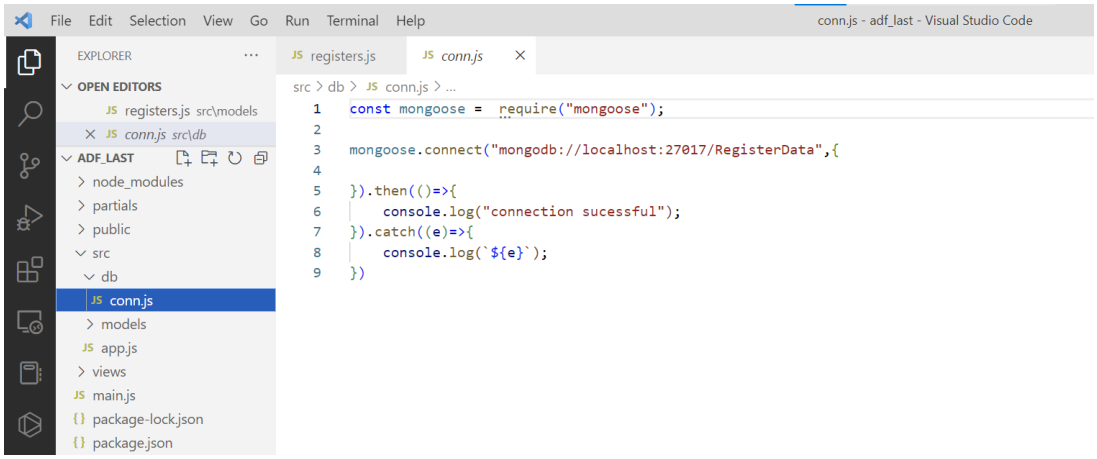


2. For Collecting Registration Data : In NodeJS script we are implementing MongoDB format data insertion.

3. For Assigning Sessions : This is done in NodeJS.



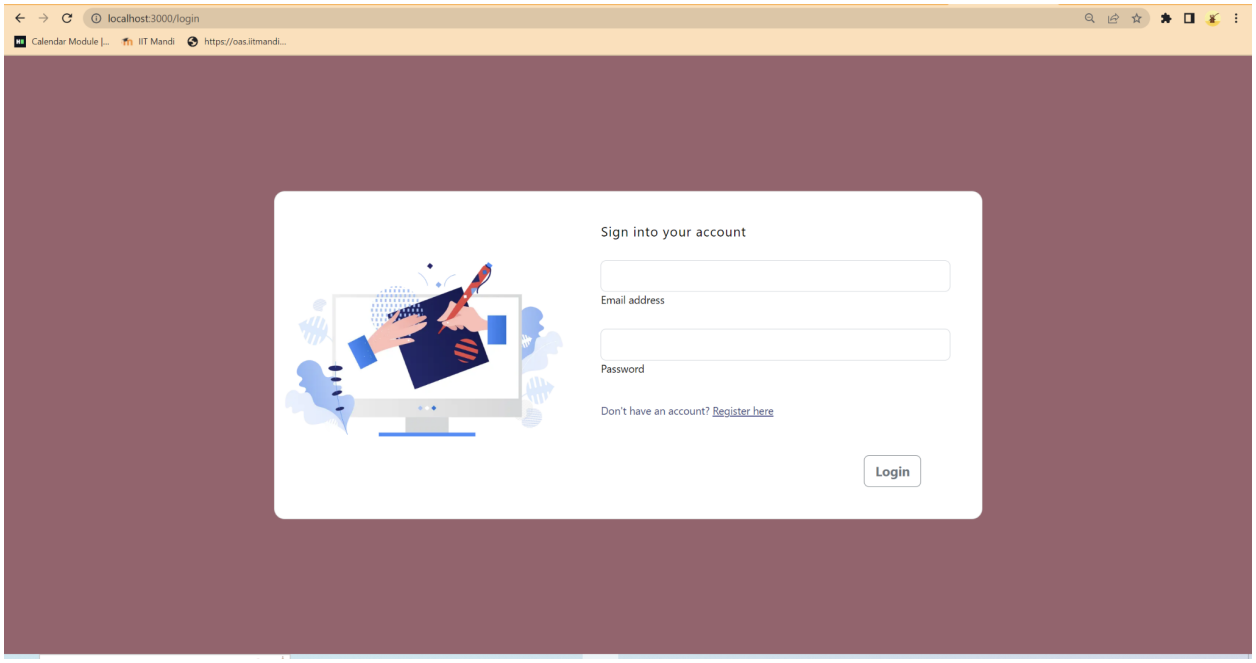
Then we are connecting MongoDB to NodeJS for creating databases. We are installing some NodeJS dependencies.



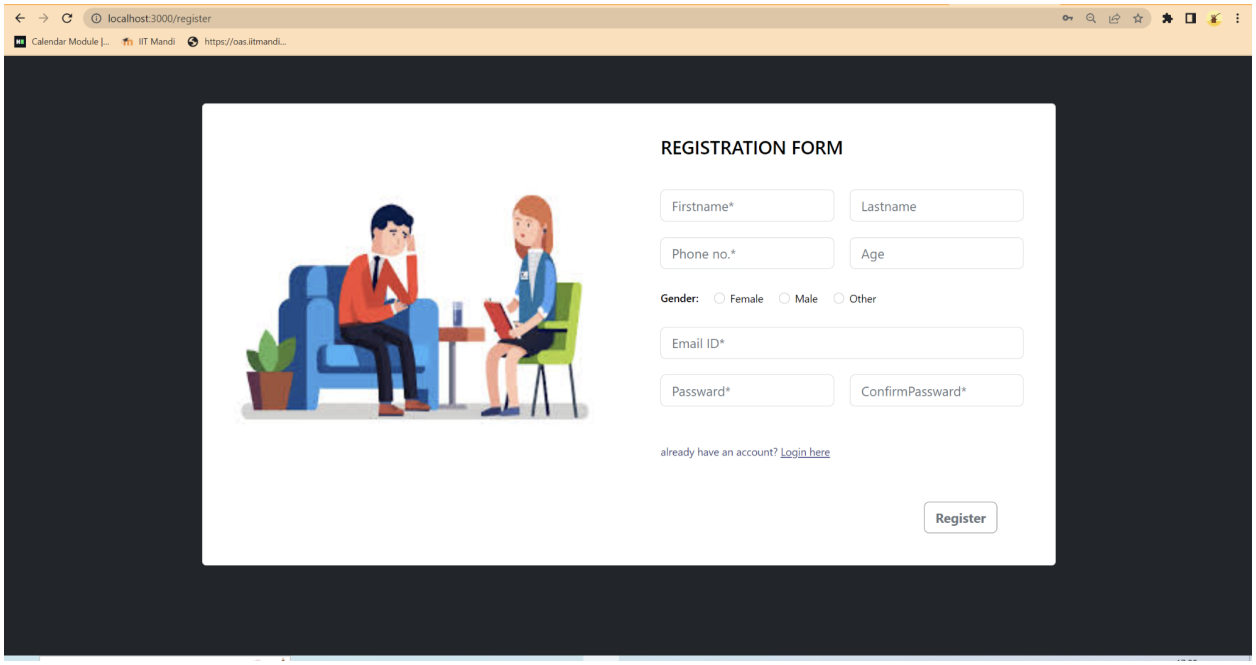
Overview / Result :

Homepage :

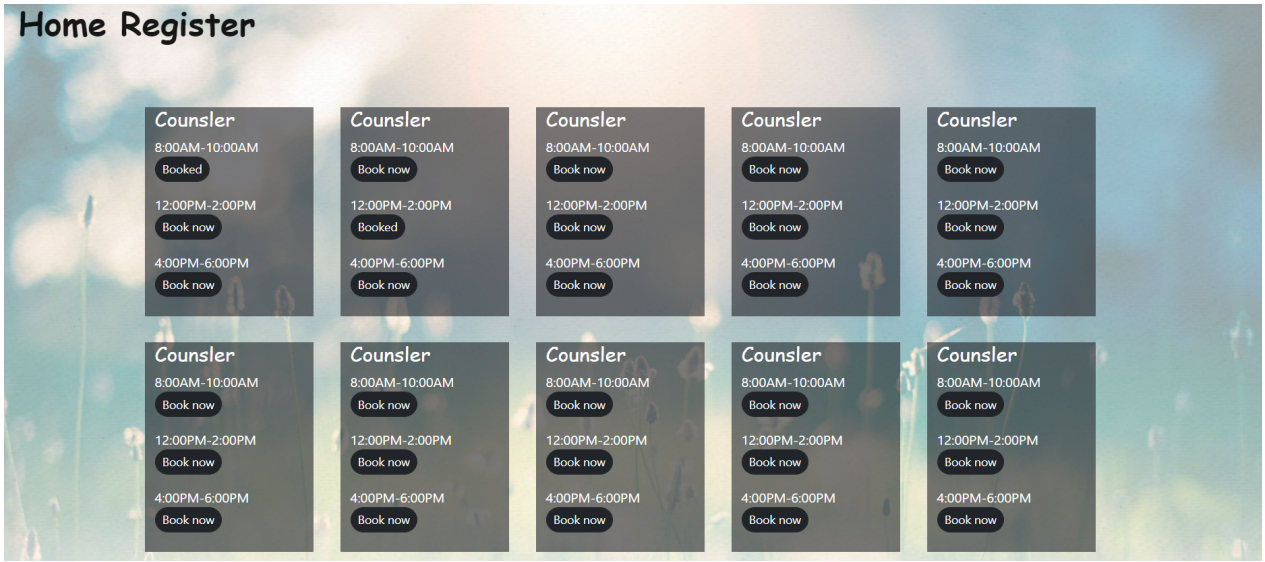
Login Page :



Registration Page :



Session viewing page :



Conclusion :

Making a database system with an interactive interface is challenging for new learners. During pulling this project off we learnt a valuable lesson of teamwork and how to build up a complexly connected system of programmes . The course of CS 207 helped a lot in this regard . It’s easy to lose track of progress in a big project . Here we managed to work effectively and efficiently . That’s how we mould the session booking system to the final version.

I hope our work can compete with the best of session booking systems out there if not more efficiently.
