

CU Degree Planner

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College is hard. Making you schedule shouldn't be.

Our project takes the hassle out of planning your degree. All you need to do is,

- Make an account
- Select you degree
- Drag and drop the classes you want to take.

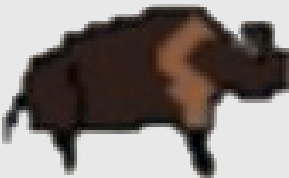
The Degree Planner will do all of the hard work to make sure you schedule is feasible, including:

- Making sure all prerequisites for a class are met
- Highlighting when those prerecs are not met

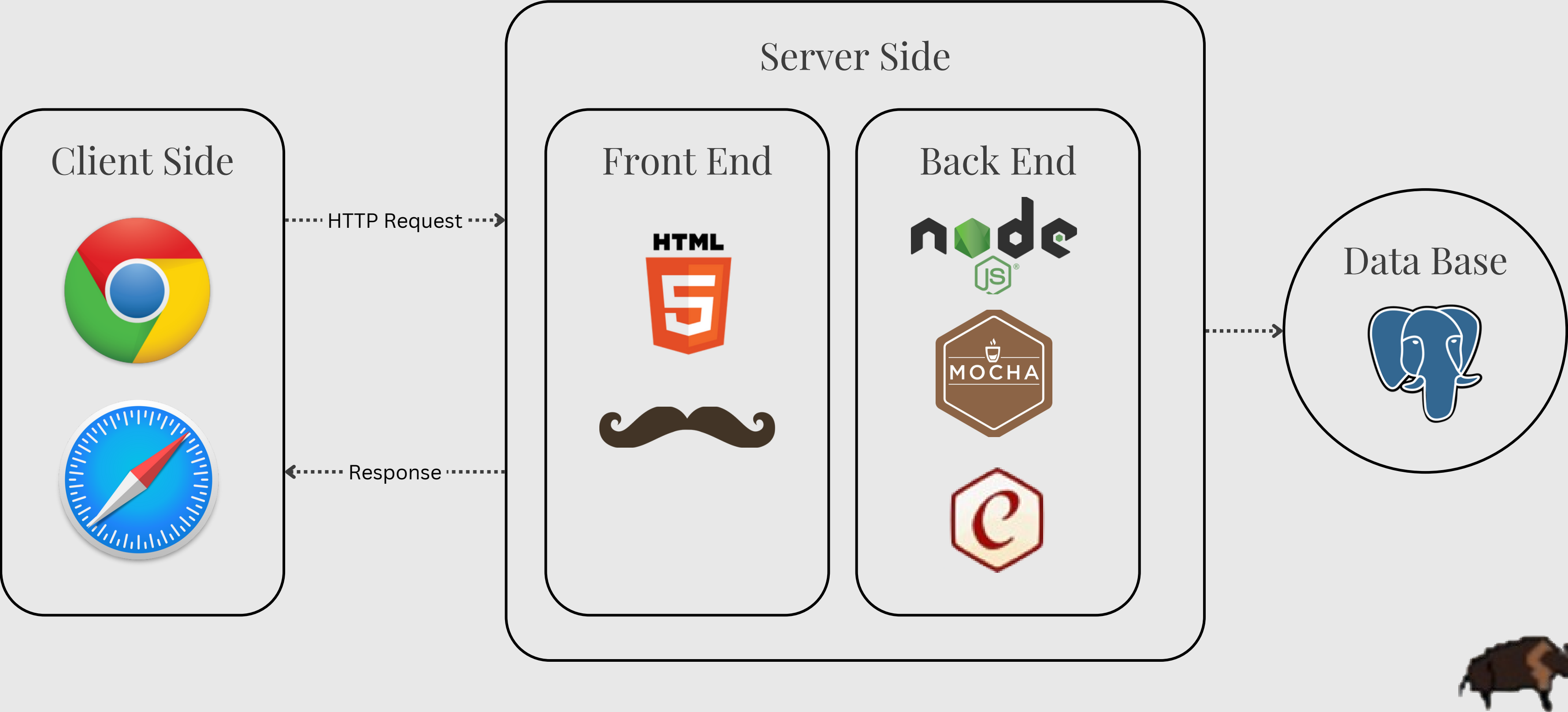


Technologies Used

• Visual Studio Code		5/5
• Git/GitHub		4.5/5
• Handlebars		4/5
• HTML		4/5
• PostgreSQL		3.5/5
• NodeJS		4/5
• Mocha		3/5
• Chai		3.5/5
• Agile Methodology		4/5



Architecture



Challenges

Database:

Finding ways to implement prerequisite classes was a big challenge and required created a new “counts_for” column.

Getting PreRecs Highlights:

Getting the pre-recs to highlight as green or red was a challenge that was only solved by marking the CSS styling for that element by labeled as important due to overriding properties.

Search Function:

Originally we tried hiding all of the elements that did not meet the search criteria but this had to be reversed to making only the options that fit the search criteria will be displayed.



Demo: <https://www.youtube.com/watch?v=pG2IOp2gnGA>

[Home](#) [Login](#) [Register](#)

Welcome to the CU Degree Planner Website!

Please [log in](#) to view your details.

Welcome to our academic planning tool! This website helps students plan their class schedules for the next four years, ensuring they meet all degree requirements. Log in to save your progress and customize your plan.

How to Use This Application



- Register yourself through the registration page if you haven't already.
- Log in using your credentials.
- Navigate to the 'Schedule Builder' page to begin selecting classes.
- Drag and Drop a class to Specific Semester Column to begin building.

Future Goals

- Add more majors and classes
- Session persistence
- Add a credit hour element to each semester
- Integrate a difficulty rating for classes
- Find and add syllabus from previous semester for classes
- Edit your account



Optional long term goal:

- Introduce and AI Assistant for class selection



Thank you!

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