



MyCourse

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Today's Agenda

1. The tech stack of our app
2. The basic features and components of our app
3. The more advanced features we implemented
4. Potential additions if we had had more time to complete the project
5. Demonstrate our app



General Overview

- Our initial idea was overly ambitious.
- It included tasks such as:
 - Maintaining and modifying a list of potential classes.
 - Displaying the physical locations of the classes on a map.
 - Computing a suggested route for transportation between the classes listed.
 - Creating a mobile version of the app.
- Of these goals, only the highlighted 2 made it into our final version.
- There is:
 - A sign-in page where users enter their login details.
 - A home page where users search for and add classes.
 - A classes page where the classes are displayed along with a map of the class's location.

Tech Stack

Backend:

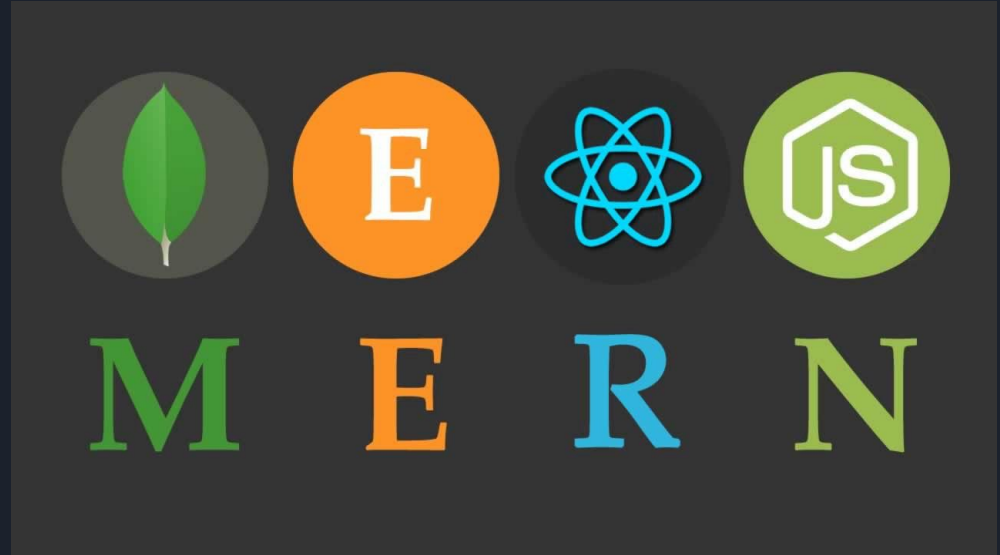
- MongoDB
- Express
- Node.js

Frontend:

- React

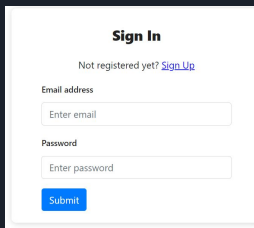
External API:

- UCLA's Classes and Courses API

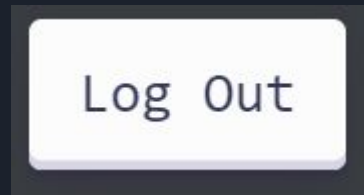


Basic Features

- Login portal and logout button



A sign-in form with the title "Sign In". Below the title is a link "Not registered yet? [Sign Up](#)". The form contains two input fields: "Email address" with a placeholder "Enter email" and "Password" with a placeholder "Enter password". A blue "Submit" button is at the bottom.



- Adding and removing classes to plan with our “add” and “drop” buttons

Add

Drop

- Dropdown menu to search for classes and add them



- Navigation bar to get around

MyCourse | Hello, **User**.

Home

Classes

Log Out

Adding a Class

Sign In

Not registered yet? [Sign Up](#)

Email address

test@g.com

Password

....

[Submit](#)



MyCourse | Hello, User.

[Home](#) [Classes](#) [Log Out](#)

Subject Area Courses Lecture Number [Submit](#)

Selected Class

User's Added Classes



Adding a Class Cont.

MyCourse | Hello, User. [Home](#) [Classes](#) [Log Out](#)

Subject Area: Courses: Lecture Number:

Selected Class

User's Added Classes



Subject Area: Courses: Lecture Number:

Selected Class

Course: MATH 32A

Section: 002

Time: 11:00AM - 11:50AM

Meeting Days: Monday, Wednesday, and Friday

User's Added Classes



Adding a Class Cont.

Subject Area

Courses

Lecture Number

Submit

Selected Class

User's Added Classes

Course: MATH 32A

Section: 002
Time: 11:00AM - 11:50AM
Meeting Days: Monday, Wednesday, and Friday

Drop



MyCourse | Hello, User.

HomeClassesLog Out

MATH 32A

Seats Available:
Full


Section:
Lecture 002

Location:
Mathematical Sciences Building

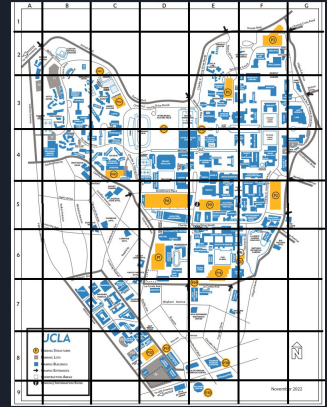
Time:
11:00AM - 11:50AM

Days:
Monday, Wednesday, and Friday

Units:
4.00



Additional Features



- Map displayed next to class after class is added to the plan
- Classes information is extremely up to date, as we get it directly from UCLA. We can even go a term ahead and see all the listed courses.
- User classes are stored on the server, so logging in as someone else will not display the same classes





Summary

- There are 3 main pages on our web app, an authentication page, a home page, and a classes page.
- On the home page, one can search for, add, and remove classes from their class list.
- On the classes page one can view a fancier and more detailed version of their personal list of classes, along with viewing the locations of each class on a map.



Conclusion

- Although we faced multiple challenges along the way through the course of our development process, we were able to overcome these challenges and create a functioning client-server application. Some of the notable challenges that we faced were issues related to our drop-down component, displaying our information in an organized manner on our website, and implementing our add/drop feature.



Demonstration Time!

- We'll take questions if we have time after our demo.