BruinDine

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BruinDine

Bruin Dine provides users with an easy way to navigate through UCLA's Dining Menu

This full-stack application helps students in many ways. UCLA 's dining menu can often be complicated, and this way, students who have dietary restrictions or other preferences can more easily navigate through menu options.
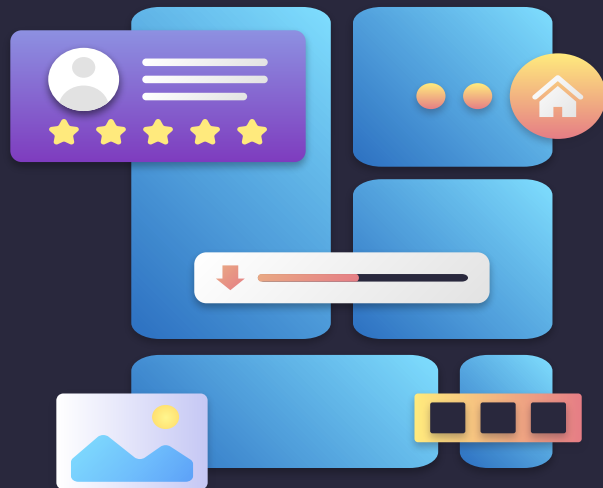
BruinDine
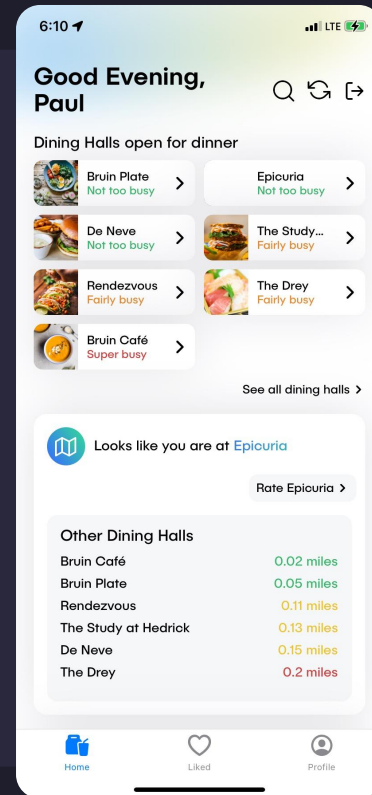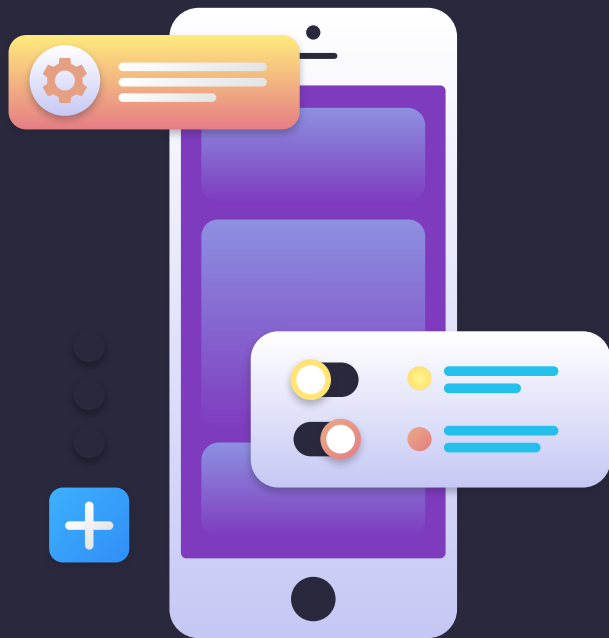
Frontend

ReactNative and ReactDOM

Required Features

Displays Dynamic Data to Users

App displays dynamic data from web-scraped data and user data held within Firestore

Uploads Data from the Client to the back-end

User login info, food preferences, and food restrictions are uploaded to the back-end

Searches through Server-Side Data

Users can search through the entire UCLA menu for exactly what they want
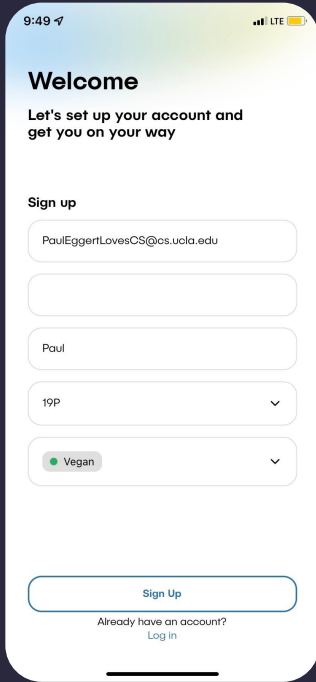
Displays Dynamic Data to Users

In BruinDine, interactions from the client-side and the back-end change the data on the front-end accordingly.

The app displays dynamic data from both web-scraped sources and user data held within Firestore to allow the user to smoothly navigate around the app.

Uploads data from the client to the back-end

User authorization data such as login information and dietary restrictions are uploaded to the back-end so that the app can better cater to the user's preferences.

When we upload this data, we can show the user their liked food items, the amount of swipes they should have left, and other important information.
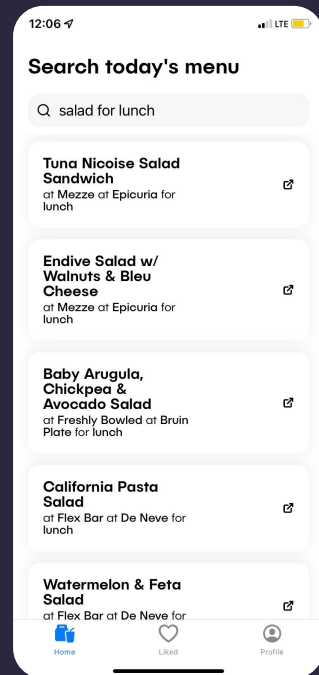
Searches through Server-Side Data

Users can search through the entire UCLA menu for exactly what they want. The current menu doesn't allow for searching at all.

In Bruin Dine, you can search for a specific menu item at a specific meal time, and even at a specific dining hall.

Search today's menu

🔍 salad for lunch

Tuna Nicoise Salad Sandwich
at Mezze at Epicuria for lunch

Endive Salad w/ Walnuts & Bleu Cheese
at Mezze at Epicuria for lunch

Baby Arugula, Chickpea & Avocado Salad
at Freshly Bowled at Bruin Plate for lunch

California Pasta Salad
at Flex Bar at De Neve for lunch

Watermelon & Feta Salad
at Flex Bar at De Neve for

Home   Liked   Profile

Advanced Features

Web Scraping

Python Scripts automatically web-scrapes data off UCLA dining hall static sites

Distance to Food

Feeling really hungry? Find the closest dining hall for a quick meal!

User Surveys

Share your opinion and view an aggregate of student opinions

Advanced Features

Like Items

Users can like
menu items and
view the list of
their liked items

Chrome Extension

Check out a
snapshot of the
day's menu from
your browser!

BruinDIne

Advanced Feature: Web Scraping

Utilizing the BeautifulSoup (bs4) package, Python scripts are able to scrape data from the UCLA static dining hall sites. Finding patterns within each dining hall's html page, all data regarding any dining hall can be collected in an instant.

To simulate how the Python Scripts will run in a server, we implemented the Python scripts with the "schedule" import to automate script runs.

Advanced Feature: Distance to Food

Using user location, we are able to show users the dining halls closest to them.

Also, with this location data, we allow users to answer surveys when they are near a certain dining hall.

Looks like you are at Epicuria

Rate Epicuria >

Other Dining Halls

Bruin Café	0.02 miles
Bruin Plate	0.05 miles
Rendezvous	0.11 miles
The Study at Hedrick	0.13 miles
De Neve	0.15 miles
The Drey	0.2 miles

BruinDine

Advanced Feature: User Surveys

Have you ever asked your roommate if BPlate was hitting for dinner?

Now, you don't have to rely on their unrefined palate — with our surveys, you can give your opinion on the food, as well as on the lines, busyness, and the state of the lockers.
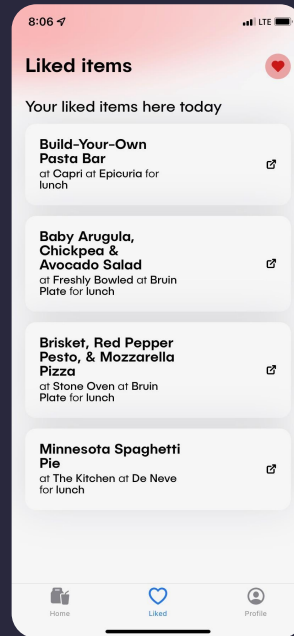
Advanced Feature: Like Items

Users are able to like any item on the menu, and then view a list of their own liked items that are available that day. This way, choosing where to eat will be a breeze.

8:06

Liked items

Your liked items here today

Build-Your-Own Pasta Bar
at Capri at Epicuria for lunch

Baby Arugula, Chickpea & Avocado Salad
at Freshly Bowled at Bruin Plate for lunch

Brisket, Red Pepper Pesto, & Mozzarella Pizza
at Stone Oven at Bruin Plate for lunch

Minnesota Spaghetti Pie
at The Kitchen at De Neve for lunch

Home   Liked   Profile

Advanced Feature: Chrome Extension

If you're on your desktop and don't want to violate your eyes with the UCLA menu's UI, then simply click on our Chrome extension!

It provides a handy screenshot of all current dining options and their activity levels.

Drumroll for our Demo!