

MIDTERM PROJECTS

The Midterm Project is an opportunity for bootcamp students to

- Begin to pull together many different things they've learned so far
- Work on a more extensive and more complicated case study than lab exercises as a prelude to the Final Project
- Collaborate with teammates on a software project, experiencing the need for proper documentation, and version control, and project management

Every student will participate in this project in an assigned group. The majority of 3 days will be committed to the project (although outside work may still be required) and there will be multiple check-ins during those days to make sure groups are on-track.

The entire group will work together on one of the three projects. Take a little time to decide which one you want to tackle, because once you get started, you cannot move to another project.

Possible projects:

- Memory Game
- Point-Of-Sale Website
- Budget Buddy

See the following pages for more information on each project. Please recognize that the descriptions are minimum versions; it's hoped each group will go beyond these requirements and incorporate features of interest to them. **ALL CHOICES MUST BE MADE MOBILE FIRST AND MUST ALSO INCLUDE A DESKTOP LAYOUT.**



POS WEBSITE

(That stands for Point-Of-Sale, but what you think of your project is up to you.)

Write a cash register or self-service application for some consumer-driven business. Obvious choices include a small store, a coffee shop, or a fast food restaurant. At a minimum, this should include:

- A list of products that have properties for name, category, description, and price.
- Present a menu to the user and let them choose an item or items to purchase.
 - The item(s) the user will buy will be added to a cart until they are ready for checkout.
- Provide a way for the user to check out and view their cart.
- Give the subtotal, sales tax, and the total.
- If the user is paying in cash, ask for the amount tendered and provide change.
- If the user is paying with a card, ask for the card number, expiration, and CVV.
- Provide a receipt for the payment which includes the item(s) bought, the subtotal, total, and anything else of interest.

