Mid-term Project Kickoff

Pick a Project

- **Ruby's Top 3**
  - Option 4: Decision Maker
  - Option 8: Buy/Sell Listing Website (cars, shoes etc.)
  - Option 10: Food Pick-up Ordering
- **Dylan's Top 4**
  - Option 5: PasswordKeepR
  - Option 8: Buy/Sell Listing Website
  - Option 9: Schoodle
  - Option 10: Food Pick-up Ordering
- **Food options:**
  - Pizza, sushi, bubble tea, ice cream, cake/cheesecakes, cupcakes

Data

- What is the data you can access or get?
- Can we correlate that data to something else?
- How can we pivot that data to add value to end user?

User Stories**

- **A user story** describes how users will interact with your application
- **A user story** is an informal, general explanation of a software feature written from the perspective of the end user of a customer.
- **Food Ordering User Stories: (blue -> core)**
  - USER/CUSTOMER
    - As a user, I want to be able to see all the menu items because I want choose my favourite item(s)
    - As a user, I want to be able to create a new order/add items to cart and because I'm thirsty
    - As a user, I want to submit an order so the restaurant knows to prepare my drink (could combine with above)
    - As a user, I want to be able to delete items (from the cart) before submitting because I change my mind often
    - As a user, I want to be able to see all the items that are currently in my cart because I want to know how much money I'm spending
    - As a user, I want to know when my order will be ready so I can pick it up (Twilio)

- As a user, I want to be able to change the quantity of the same item on the menu because I want more (FAST stretch*)
- As a user, I want to be able to adjust the sugar and ice levels, and cold/hot and tapioca option for my bubble tea because of my personal preferences (nice stretch, DATA CURD boolean for hot/cold, INT for ice, sugar?) There's also sizes for drinks but...the price will change?
- As a user, I want my order to be delivered or picked up by myself. (This is only available in a reasonable distance range tho) (HARD stretch) -> probably don't include this
- As a user, I can choose more than one shop (stretch - realistic)
  - <u>RESTAURANT</u>
    - As a restaurant owner, I want to know when a customer has made an order so I can prepare the order (customer -> restaurant)
    - As a restaurant owner, I want to be able to let the customer know when an order will be ready so they can drink it fresh (restaurant -> customer)
      - Use users table with role column to differentiate between user/admin
      - Send a SMS back
      - *maybe use setTimeOut function to simulate delay of when order is ready? "This item will take X minutes, start walking now"
      - ^ Unsure about this
    - As a restaurant owner, I want to be able to see all the orders to my restaurant so I can manage each one.
    - As a restaurant owner, I want the customer pays the order when he/she makes the order (HARD stretch) -> probably don't include this
      - Paying solutions need an insane amount of security. Shopify takes care of this. Could use Shopify's API but not recommended
    - As a restaurant owner, I want to know if the service is good or needs to be improved, so ask customers to provide feedback. (stretch)
    - Type of users, Etsy (admins) who can modify items in their stores (stretch - realistic)

User Scenarios for Core User Stories

- <u>USER/CUSTOMER</u>
  - Given that I'm logged in, when I browse the menu items and I add whatever items that I like into the cart, then it update my cart (item number++)
    - As a user, I want to be able to see all the menu items because I want choose my favourite item(s)
    - As a user, I want to be able to create a new order/add items to cart and because I'm thirsty
  - Given that I'm logged in, when I click submit for an order, then the restaurant is notified via SMS (Twilio) AND the status will change to in progress to indicate successfully sent

- As a user, I want to submit an order so the restaurant knows to prepare my drink
  - Given that I'm logged in, when the restaurant specifies how long the order will take, then it updates me via SMS and on the website of how long it'll take
    - As a user, I want to know when my order will be ready so I can pick it up (Twilio)
  - Given that I'm logged in, when I click "go to checkout" button related to the cart full of items, then it takes me to a page that contains all the current items in the cart and where I can update, delete or submit my order (and see the individual/total costs). If I update, delete, then the costs and items will adjust accordingly.
    - As a user, I want to be able to see all the items that are currently in my cart because I want to know how much money I'm spending
    - As a user, I want to be able to delete items before submitting order because I change my mind often
- RESTAURANT
  - Given that I am the owner, once I receive the SMS (the order) from the customer, the system already automatically sends the order confirmation back to the customer.
    - As a restaurant owner, I want to know when a customer has made an order so I can prepare the order (customer -> restaurant)
  - Given that I am the owner, when I let the customer know how long it'll take, then it updates the customer with how long via the website and SMS & updates me via SMS
    - As a restaurant owner, I want to be able to let the customer know when an order will be ready so they can drink it fresh (restaurant -> customer)

Routes

Users

Action	Verb	Endpoint	Description
Read	GET	/login	→ display login form
Add (Create)	POST	/login	→ handle log in → **redirect to "/bubbleteas"**
Add (Create)	POST	/logout	→ handle user log out → **redirect to "/bubbleteas"**
Read	GET	/register	→ display register form
Add (Create)	POST	/register	→ handle user registration → **redirect to "/bubbleteas"**

Bubbletea

Action	Verb	Endpoint	Description
Browse (Read All)	GET	/bubbleteas	→ view all bubbleteas
Read	GET	/bubbleteas/:id	→ view a specific bubbletea *may not need this

Orders

Action	Verb	Endpoint	Description
Browse (Read All)	GET	/cart	→ view current order in progress (when you click the cart/checkout)
Add (Create)	POST	/orders	→ submit a complete order
Browse (Read All)	GET	/restaurants/:id/orders	→ view all restaurant orders (from the past)
Read	GET	/restaurants/:id/orders/:id	→ view single order (restaurant) → view single order (user) without restaurant function* one way to do this (stretch)
Update	PUT	/orders/:id	→ update order (like status) for restaurant

MVP vs MVD (FYI)

- **An MVP has just enough features to be useful to a user**
- This concept helps streamline the development process and help keep the team on target

Wireframes

- **Wireframes are simple black and white layouts that outline the specific size and placement of page elements, size features, conversion areas and navigation for your website**
- Draw out the structure of your web pages
- This will make it much easier to build out these pages later

Tech Choices (FYI)

- We have made all the tech choices for you
- **Back End:** Node and Express
- **Front End:** HTML, CSS (SCSS?), JS, jQuery, Bootstrap

SPA vs Multi-page App (FYI)

- These concepts are not mutually exclusive
- You can choose one or the other or both
- Industry standard is SPA?
- SPA is stretch

Git Workflow (FYI)

- Use Git best practices
- Use branches!!!
- NEVER CODE ON MASTER

Splitting up the Work (FYI)

- **Horizontally:** whole team working on front-end or back-end at the same time
- **Vertically:** divide the work between front-end and back-end
- **Pair Programming:** working together on the same tasks