Capstone Project
EatAndGreet.com

Note: The following are the candidate sections of the document. They are presented here for guidance. Questions in each section could be used as possible aspects to cover. Some questions may not be applied to each project. On the other hand, additional information may be needed.

Introduction

Purpose

- What is the problem or the opportunity that the project is investigating?

  EatAndGreet.com was conceived as a haven for those who not only love to eat but also to create, share, and celebrate food in all its forms.

  The Problem:

  While popular social media sites connect people, they often become a breeding ground for fake news, misinformation, and negativity, particularly heavy on politics. For those passionate about food, the challenge is finding a space dedicated to their interest without the distractions and negativity found in general platforms.

  Our Solution:

  To create a dedicated space for sharing and discovering a vast collection of recipes, free from the common distractions of general social media. Users can create and maintain their own digital cookbook with just a click, making it easy to save and revisit their favorite recipes. It creates a space to follow and engage with other users, learning from their culinary journeys and experiences.

Industry/ domain

- What is the industry/ domain?

  We are operating in the food-tech industry at the intersection of food and social media.

- What is the current state of this industry? (e.g. challenges from startups)

  There are some other competitors in the space such as Recipe Keeper and Paprika. We believe they only focus on the recipe aspect while we focus on recipes but also engagement with other food enthusiasts.

Stakeholders

- Who are the stakeholders? (be as specific as possible as to who would have access to the software)

The stakeholders are end users such as food enthusiasts, home cooks, and professional chefs. For the home cook, it is a great place to view and share recipes and learn more about cooking through interactions with other members.

For the professional chefs, this is a place for them to showcase their signature dishes, amplify their personal brand, and promote their personal websites. It will extend to an even larger audience than they may have had before.

Product Description

Architecture Diagram

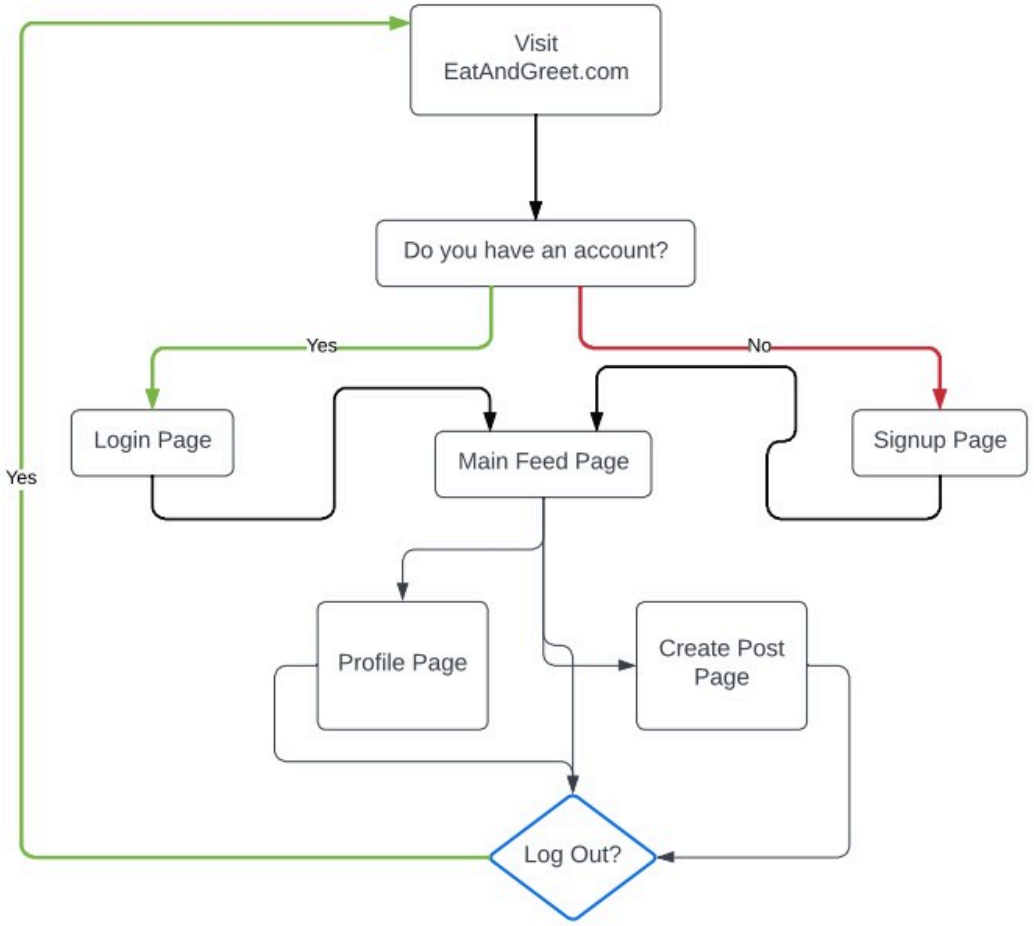
Include a diagram of the building blocks of the design including users and how they interact with the product.

User Stories

#	User Story Title	User Story Description	Priority	Notes
1	Sign Up for an Account	As a new visitor, I want to sign up for an account.	High	Achieved
2	User Login	As a registered user, I want to log in to access my personalized content.	High	Achieved
3	Account Deletion	As a user, I want to delete my account.	Low	Future feature.

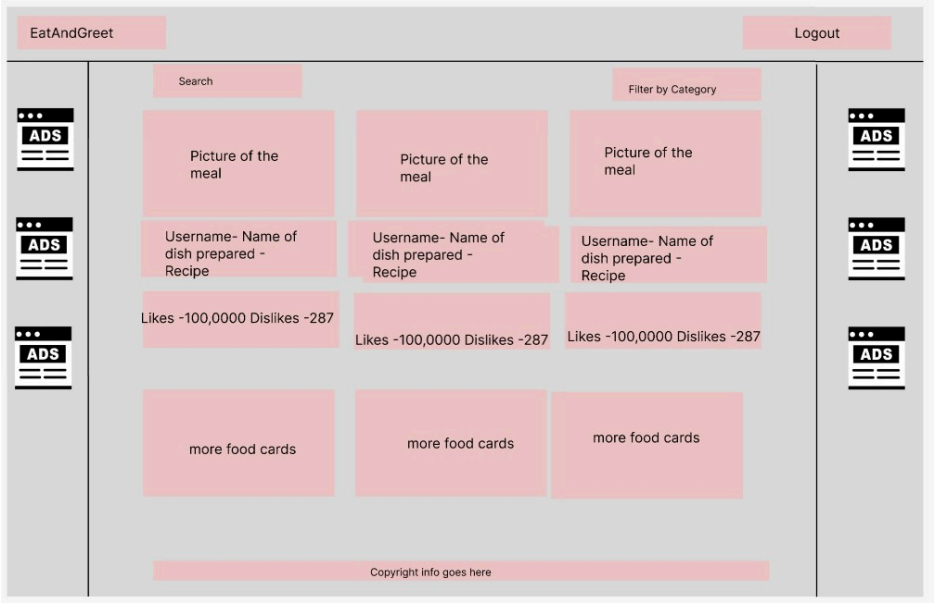
4	Post a Recipe	As a user, I want to share my recipes, including ingredients and instructions.	High	Achieved
5	Edit a Recipe	As a user, I want to edit my recipes to correct or update information.	Medium	Achieved.
6	Delete a Recipe	As a user, I want to delete my recipes	Medium	Achieved
7	View Recipe Details	As a user, I want to view detailed recipe pages.	High	Achieved.
8	Like a Recipe	As a user, I want to like recipes.	Medium	Achieved.
9	Comment on a Recipe	As a user, I want to comment on recipes to share feedback or ask questions.	Medium	Future feature.
10	Follow a User	As a user, I want to follow others to keep track of their posts and activities.	Medium	Future feature.

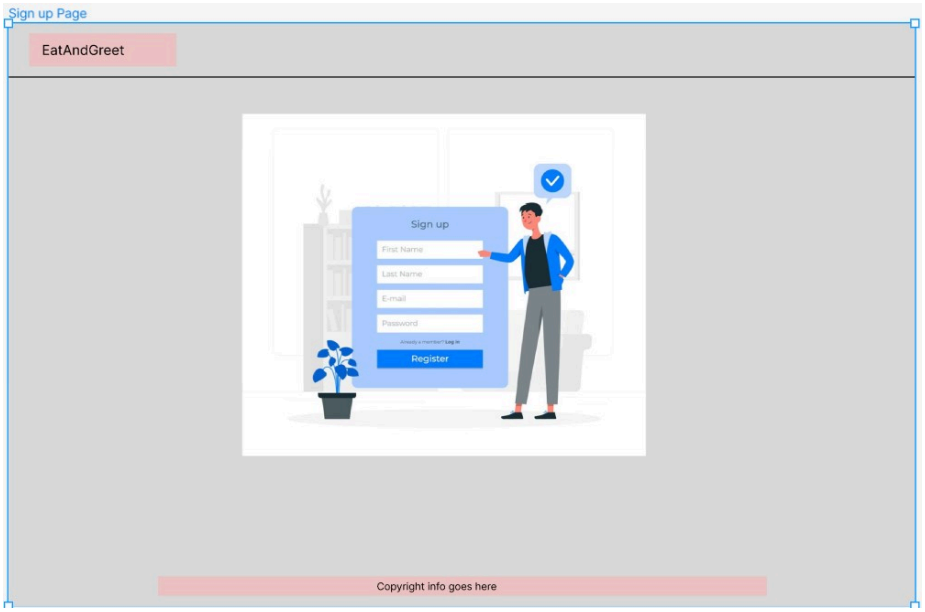
User FlowPresent as a flow diagram the steps a user may make in interacting with the software.



Wireframe Design

Show elements of the user interface, either manually or via a tool such as Figma.





Open Questions/Out of Scope

- What features are considered out of scope?
    - Commenting on posts
    - Follow other users
    - In-App Messaging System
    - Mobile Version

Non-functional Requirements

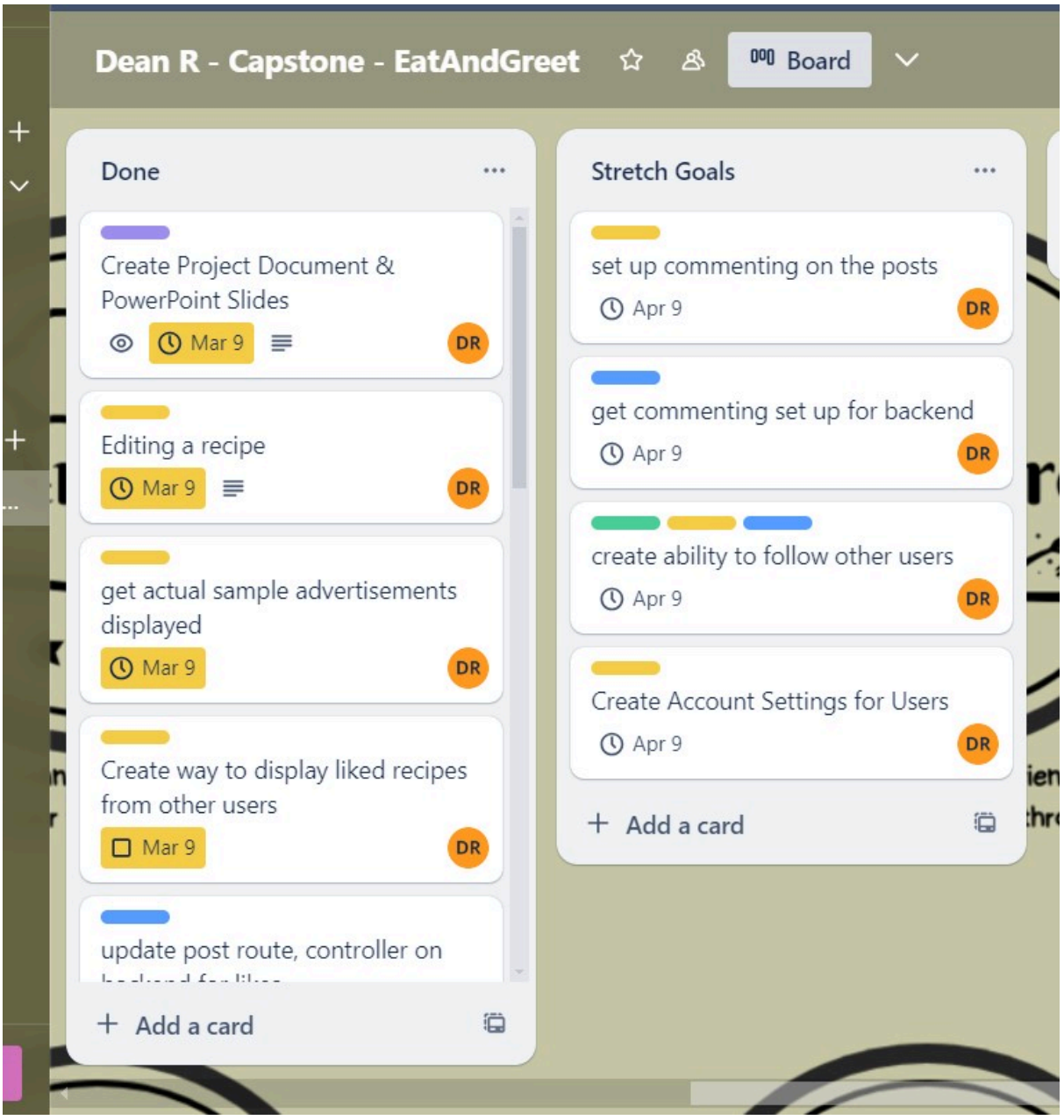
- What are the key security requirements? (e.g. login, storage of personal details, inactivity timeout, data encryption)
    - Security needs to be improved. May make use of items such as JSON web tokens and password hashing to accomplish this.

- How easy to use does the software need to be?
    - Software is currently easy to use. We may update some of the links to create a more intuitive flow throughout the application.

- How quickly should the application respond to user requests?
    - As quickly as possibly. Currently runs at a good speed but could be better.

Project Planning

Include a Gantt chart or screenshot of a Trello board showing key milestones (with dates) to complete the project.



Testing Strategy

- What were steps undertaken to achieve product quality?
- How was each feature of the application tested?

  Initially the features were tested using POSTMAN to ensure we can create users and recipes. We also tested the ability to edit and delete recipes.
  Once the UI was complete we tested these same capabilities on our locally hosted device.

Implementation

- What were the considerations for deploying the software?
  - For deployment we will most likely make use of Amazon Web Services (AWS). Cloud hosting allows website and applications operators to add or remove resources when necessary so this makes for a great option.
  - Currently we are hosted locally.

End-to-end solution

- How well did the software meet its objectives?
  - We think the initial objectives were met and within expectations.
  - The next phase will be to implement commenting, following users, and an in-app messaging system.

References

- Where is the code used in the project? (link to GitHub)
  - Located in GitHub: https://github.com/dtr6210/EatAndGreet.git

- What are the resources used in the project? (libraries, APIs, databases, tools, etc)

Resources used in project:

Frontend:

•React: https://react.dev/

•Material UI (MUI): https://mui.com/material-ui/

Backend:

•Node.js: https://nodejs.org/en

•Express: https://expressjs.com/

•MongoDB: https://www.mongodb.com/

Other:

- Postman for testing CRUD operations: https://www.postman.com/
- TheMealDB (3rd party meal API): https://www.themealdb.com/