

## Week 1:

- **Siri:** Set up the React project with a structured folder layout and implemented routing for pages.
- **Vyshnavi:** Designed wireframes for Home, Restaurant, Business Owner, and Admin pages to guide UI development.
- **Vineela:** Configured PostgreSQL and integrated it with the Spring Boot backend, ensuring scalability.
- **Puneeth:** Established the Spring Boot backend with a clear folder structure to streamline API development.

## Week 2:

- **Siri:** Design and develop APIs for BusinessOwner functionalities, including API definitions and integration with the database schema.
- **Vyshnavi:** Work on Review APIs and Admin APIs, designing and finalizing their associated database schemas.
- **Vineela:** Develop APIs for User functionalities (Registration, Login, and Profile) and finalize the related database schema.
- **Puneeth:** Design and implement Restaurant APIs and the database schema to handle restaurant-related operations.

## Week 3:

- **Siri:** Create reusable navigation bar and footer components accessible to all user roles.
- **Vyshnavi:** Build the Restaurant page component and finalize its database design.
- **Vineela:** Develop UI components for login and registration.
- **Puneeth:** Implement a Home page displaying a static list of restaurants as a placeholder.

## Week 4:

- **Siri:** Build the "Add Restaurant" form for Business Owners, allowing them to input restaurant details.
- **Vyshnavi:** Integrate Google Maps on the Home page and create APIs to fetch restaurant details using Google Maps API by zip code.
- **Vineela:** Implement user authentication, including role-based access control with JWT tokens.
- **Puneeth:** Develop APIs to fetch restaurant lists based on search filters based on zip code entered.

## Week 5:

- **Siri:** Integrate the "Add Restaurant" API with the Business Owner form, connecting the UI to the backend.
- **Vyshnavi:** Build a Review Submission form with dynamic display and validation to enhance user interactivity.
- **Vineela:** Create APIs for fetching Business Owners' restaurant listings based on their logged-in sessions.
- **Puneeth:** Implement APIs for submitting reviews and linking them to specific restaurant records in the database.

## Week 6:

- **Siri:** Develop functionality for Business Owners to edit restaurant details and implement the Update Restaurant API.
- **Vyshnavi:** Design and build a dashboard for Business Owners to manage their restaurant listings efficiently.
- **Vineela:** Design an Admin dashboard and develop APIs for identifying and managing duplicate restaurant listings.
- **Puneeth:** Create advanced filtering APIs to search restaurants by cuisine, price range, and ratings, integrating them with the Home page.

## Week 7:

- **Siri:** Add robust validations and error handling to the Add/Edit Restaurant forms for Business Owners.
- **Vyshnavi:** Enable users to view detailed restaurant information, including dynamic reviews and aggregated ratings.
- **Vineela:** Add input validation and error handling for login and registration forms.
- **Puneeth:** Add Validation for search inputs in home screen and remove listings for closed businesses.

## Week 8:

- **Siri:** Improve the app's responsiveness for desktop devices, ensuring compatibility across screen sizes.
- **Vyshnavi:** Finalize the Review Submission form with validation and polish the app design for a consistent user experience.
- **Vineela:** Conduct UI/UX testing across all roles, identifying and resolving issues.
- **Puneeth:** Add functionality for Business Owners to upload and update restaurant photos.

## Week 9:

- **Siri:** Prepare detailed project documentation and demo materials showcasing all functionalities.
- **Vyshnavi:** Deploy the frontend to AWS S3 and create a deployment architecture diagram for documentation.
- **Vineela:** Conduct end-to-end testing of workflows, ensuring seamless integration, and include a component diagram in the documentation.
- **Puneeth:** Deploy the backend to AWS with auto-scaling EC2 instances and PostgreSQL on RDS, ensuring production readiness.