Project Draft/Plan for VueJS (MealCards)

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Overview

The VueJS project aims to create a user-friendly web application for meal exploration and management. The application will utilise TheMealDB API to fetch various meal options and allow users to search, filter, and save their favourite meals. Key features include user registration, login/logout functionality, and personalized meal preferences.

Key Features

1. **User Authentication**
   - Registration page: New users can sign up by providing their username, email, and password.
   - Login page: Users can log in using their registered credentials.
   - Logout functionality: Users can log out of the application, which clears their session.
2. **Meal Display and Management**
   - Show Meal Page: Display meals based on different categories or cuisines fetched from TheMealDB API.
   - Search/Filter Meals: Users can search for meals by name or ingredients and apply filters like cuisine type or dietary restrictions.
   - Favourite Meal Page: Users can save their favourite meals, which can be viewed in a dedicated section.
3. **Integration with TheMealDB API**
   - Use the API to fetch meal data to display, search, and filter functionalities.
   - Implement API calls efficiently to handle data fetching, updating, and managing favourites.

Technical Specifications

- **Frontend**: VueJS, Vuex for state management, Vue Router for navigation
- **APIs**: TheMealDB API for meal data
- **Backend** (optional): Node.js with Express for handling authentication and managing user data
- **Database**: Maybe MariaDB (Swinburne feenix) for storing user data and favourite meals (Considering)
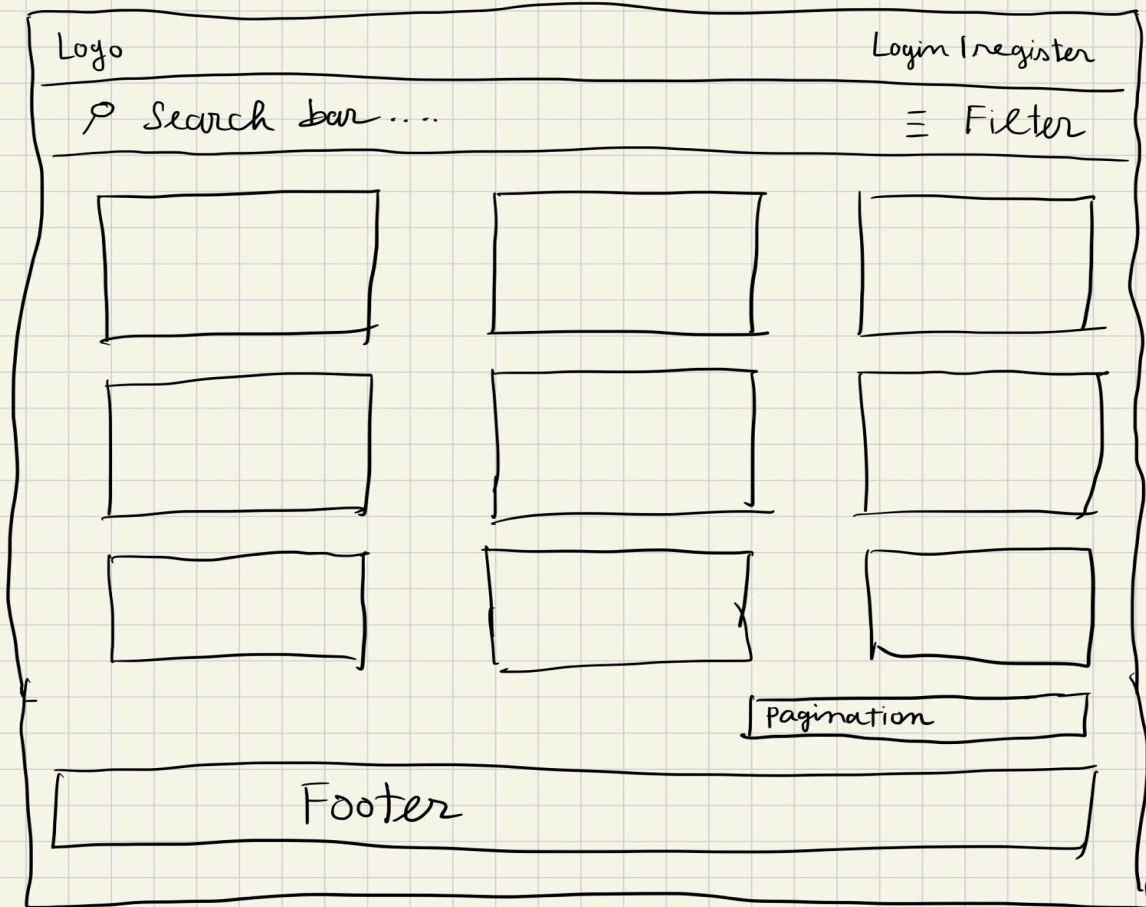- **Styling**: Use Vuetify for responsive design and material components

Development Milestones

1. **Setup and Configuration**: Set up VueJS environment and configure Vue Router and Vuex.
2. **User Authentication Implementation**: Develop the registration, login, and logout functionalities.
3. **API Integration**: Implement fetching, searching, and filtering meals using TheMealDB API.
4. **User Interface Development**: Develop the UI components for showing meals, searching/filtering meals, and managing favourites.
5. **Testing and Refinement**: Test the application for bugs and improve the user interface based on feedback.
6. **Deployment**: Deploy the application on a suitable platform like Netlify or Vercel.

This VueJS project is designed to provide a seamless and interactive experience for food enthusiasts to explore, search, and save their favourite meals using TheMealDB API. With robust user authentication features, including login, logout, and registration, users can maintain personal accounts to manage their meal preferences effectively. The application will feature a comprehensive meal display, enabling users to filter and search meals based on various criteria, such as ingredients and cuisine. A dedicated favourite meals section will also enhance the personalised user experience by allowing quick access to preferred dishes. Modern web technologies like VueJS, Vuex, and Vue Router ensure a responsive and intuitive interface, making meal management both enjoyable and efficient.

Drafts

Home page

Logo

Login / register

🔍 Search bar ....

☰ Filter

Pagination

Footer

Login | register

Logo

heading

Username

password

Login btn

register link

favorite meal function
(will appear when user login)

Nav bar

Table: List of user favorite meal

ID	Name	Desc	Function
1	- - -	- - - -	Delete