**Project Specification: Fitness Portal**

**Objective:** Develop a Blazor-based fitness web application using MudBlazor components and Entity Framework for data management. The app aims to provide users with a comprehensive platform to track their daily nutrition and overall well-being.

**Features:**

1. **User Authentication:**
   * Implement a secure login feature for user authentication.
2. **Food Journal:**
   * Users can log food intake by specifying the type and quantity of food consumed.
   * Track calorie intake per meal and view a summary by date.
3. **Graphical Analytics:**
   * Generate graphs to visualize trends in calorie consumption over specific time periods.
4. **BMI Calculator:**
   * Provide a Body Mass Index (BMI) calculator based on user input for height and weight.

**User Interface:**

* Design a cohesive and user-friendly interface using MudBlazor components.
* All features accessible from a single main page for seamless user experience.

**Technical Stack:**

* Blazor for front-end development.
* MudBlazor components for UI elements.
* Entity Framework for database management.

**Data Model:**

* Utilize Entity Framework for database interactions.
* Define data structures for user profiles, food logs and other relevant entities.

**Timeline:**

* Aim for completion within the month of December.

**Dependencies:**

* Ensure compatibility with the latest versions of Blazor, MudBlazor, and Entity Framework.
* Consider any additional dependencies for charting libraries if needed.