Kitchen Story: Course-end Project 2

**Overview**

Kitchen Story is an e-commerce portal allowing users to shop for basic food items. The platform provides an intuitive interface to browse, select, and purchase food items.

**Frontend**

The frontend is built using Angular and provides the following main features:

1. **Home Page**:

* **Search Form**: Enables users to search for food items.
* **Food Items Display**: Shows available food items with details and price.

2. **Order Page**:

* **Order Breakout**: Displays the complete order details.
* **Confirmation Page**: Shows order confirmation after payment (Note: Actual payment integration is not implemented).

3. **Admin Page**:

* **Login**: Allows admin login with the option to change the password.
* **Manage Food Items**: Add, remove or edit food items in the master list.

**Backend**

The backend is developed using Spring Boot and offers RESTful APIs to handle the frontend interactions.

Main Entities:

1. **Food Item**: Details like ID, name, price, and description.
2. **Order**: Details about customer orders including food items, quantities, and total price.
3. **Admin**: Information related to admin login credentials.

**Getting Started**

**Prerequisites**

* Java (for backend)
* Node.js and Angular CLI (for frontend)
* A code editor like Visual Studio Code

**Installation**

1. **Backend**:
   * Navigate to the backend directory.
   * Run **mvn clean install** to build the project.
   * Run **java -jar target/kitchen-story.jar** to start the server.
2. **Frontend**:
   * Navigate to the frontend directory.
   * Run **npm install** to install dependencies.
   * Run **ng serve** to start the Angular development server.

Visit **http://localhost:4200** in a web browser to access the application.

**Usage**

**User**

* Browse and search for food items.
* Select items, view orders, and proceed to the confirmation page.

**Admin**

* Log in as an admin.
* Manage the master list of food items (add/remove/edit).

**Development**

* **Backend Technologies**: Java, Spring Boot
* **Frontend Technologies**: Angular
* **Code Structure**: Follows the standard MVC pattern with separate layers for controllers, services, repositories, and entities.
* **Database**: You may choose to integrate a database like MySQL or H2 for persistent storage.

**Conclusion**

Kitchen Story is a well-structured e-commerce application for basic food item shopping. With an admin backend, the application provides flexibility and ease of management. Further enhancements can include payment integration, improved search functionality, and user profiles.