湾区东亚（中日韩）餐厅的预约和点评系统

### 1. 用户账户管理

- \*\*功能\*\*：允许用户创建账户、登录和管理个人资料。

- \*\*实现\*\*：使用Java和Spring Security来处理用户认证和授权。可以考虑集成社交媒体登录以简化注册和登录过程。

### 2. 餐厅列表和筛选

- \*\*功能\*\*：展示餐厅列表，并允许用户根据菜系、评价、价格和地理位置等标准筛选。

- \*\*实现\*\*：构建一个数据库（如MySQL或PostgreSQL），存储餐厅的详细信息。后端使用Java和Spring框架来处理数据检索和筛选逻辑。

### 3. 预约功能

- \*\*功能\*\*：用户可以选择餐厅、日期、时间和人数来进行预约。

- \*\*实现\*\*：设计一个预约系统，允许实时预约处理。后端逻辑处理预约的创建、修改和取消。可以使用Java结合一些时间管理库（例如Joda-Time）来处理日期和时间。

### 4. 用户点评系统

- \*\*功能\*\*：用餐后，用户可以给餐厅打分和留下评论。

- \*\*实现\*\*：在数据库中为用户评论创建模型。使用Java和Spring框架来管理用户提交的评论，并更新餐厅的综合评分。

### 设计和技术选择

- \*\*用户界面\*\*：设计一个清晰、直观的前端界面，确保用户易于浏览餐厅、进行预约和留下点评。

- \*\*响应式设计\*\*：考虑到用户可能通过各种设备访问，前端应采用响应式设计。

- \*\*前端技术\*\*：可以使用React或Angular来构建用户界面。

- \*\*后端技术\*\*：Java配合Spring框架，提供稳定和高效的后端服务。

- \*\*数据库\*\*：选择适合快速读写操作的数据库，如MySQL或PostgreSQL。

A Reservation and Review System for East Asian (Chinese, Japanese, Korean) Restaurants in the Bay Area.

### 1. User Account Management

- \*\*Functionality\*\*: Allow users to create accounts, log in, and manage personal profiles.

- \*\*Implementation\*\*: Use Java and Spring Security for user authentication and authorization. Consider integrating social media login to simplify the registration and login process.

### 2. Restaurant Listing and Filtering

- \*\*Functionality\*\*: Display a list of restaurants and allow users to filter by cuisine, rating, price, and location.

- \*\*Implementation\*\*: Build a database (such as MySQL or PostgreSQL) to store detailed information about restaurants. Use Java and the Spring framework to handle data retrieval and filtering logic.

### 3. Reservation Feature

- \*\*Functionality\*\*: Users can choose a restaurant, date, time, and number of people for reservations.

- \*\*Implementation\*\*: Design a reservation system for real-time booking handling. Backend logic to handle the creation, modification, and cancellation of reservations. Java can be used in combination with time management libraries (like Joda-Time) to handle dates and times.

### 4. User Review System

- \*\*Functionality\*\*: After dining, users can rate and leave comments on restaurants.

- \*\*Implementation\*\*: Create a model in the database for user reviews. Manage user-submitted reviews with Java and the Spring framework, and update the overall rating of the restaurant.

### Design and Technology Choices

- \*\*User Interface\*\*: Design a clear and intuitive front-end interface to ensure easy browsing of restaurants, making reservations, and leaving reviews.

- \*\*Responsive Design\*\*: Considering users may access via various devices, the front end should be responsive.

- \*\*Frontend Technology\*\*: React or Angular can be used to build the user interface.

- \*\*Backend Technology\*\*: Java combined with the Spring framework to provide stable and efficient backend services.

- \*\*Database\*\*: Choose a database suitable for fast read and write operations, like MySQL or PostgreSQL.

By focusing on these core functionalities, your system will effectively meet users' needs for reserving and reviewing East Asian restaurants. Additionally, this focused approach will also make project management more straightforward, allowing you to concentrate on delivering a high-quality user experience and stable system performance.