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SUPEREATS

SUPER EATS
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INTRODUCTION

The purpose of our requirements document is to inform potential users and investors of SuperEats' functional specifications and performance expectations. To review the system's attributes, methods, and functions, a class diagram, the system requirements, use case diagrams, and use case scenarios will be provided to viewers.

DESCRIPTION MODEL

Account/User Creation:

INPUTS:

- Users provide essential information such as age, name, contact number address and credit card details during the account creation process.
    - **Profile Personalization:** Users have the option to personalize their profiles with additional details to enhance their overall experience.
    - **Security Measures:** SuperEats employs advanced encryption to secure user data, especially credit card details ensuring a safe transaction environment.

OUTPUTS:

- Users receive immediate notifications confirming successful order placement providing reassurance.
- **Customizable Alerts:** Users can customize their notification preferences to receive alerts through their preferred channels.

PROCESSES:

- **Intelligent Search:** SuperEats employs an intelligent search function, considering user preferences and historical data to offer relevant restaurant and meal suggestions.
- **Driver Ratings:** Users can view driver ratings to select preferred delivery services, ensuring a positive delivery experience.
- **Promotions:** Users choose promotions and areas based on preferences enhancing the overall value of their orders.
- **Rating System:**
    - **User Feedback:** Users contribute to the improvement of SuperEats and driver services by providing feedback through the rating system.
    - **Incentives for Feedback:** Users may receive incentives, such as discounts or exclusive promotions, for consistently providing feedback.

PERFORMANCE:

- **User Recommendations:** Users receive dynamic recommendations based on the time of day and historical ordering patterns, increasing relevance.
    - **User Ordering:** SuperEats suggests future orders based on historical data, streamlining the ordering process and enhancing user satisfaction.

SECURITY:

- **Data Protection:**
    - **Security Protocols:** SuperEats employs standard data protection protocols to safeguard user information, particularly credit card details.

- **Privacy:**
    - **User Anonymization:** User order preferences are anonymized and aggregated preserving individual privacy.
    - **Restricted Data Sharing:** SuperEats does not disclose user order preferences to restaurants, enhancing user privacy.

Notifications:

INPUTS:

- **Order** : When a user is gonna order they will start getting notification about their order

- **Driver Preferences:**
    - **Efficiency Tools:** Drivers have access to tools that show them orders matching their preferred routes and delivery times

OUTPUTS:

Notifications:

- **Order Confirmation:**
    - Users receive immediate notifications confirming successful order placement providing reassurance.
    - **Customizable Alerts:** Users can customize their notification preferences to receive alerts through their preferred channels.
- **Real-Time Updates:**
    - SuperEats sends real-time updates on the order's status, including restaurant preparation and estimated delivery time.
    - **Location Tracking:** Users can track the real-time location of their delivery enhancing transparency expectations.

PROCESSES:

- **Delivery Service:**
  - **Cost Estimation:** Users estimate total costs, including delivery fees, helping them make informed decisions.
  - **Driver Ratings:** Users can view driver ratings to select preferred delivery services, ensuring a positive delivery experience.
- **Notification:**
  - **Real-Time Order Updates:** Users receive notifications throughout the order process from preparation to delivery maintaining an informed and engaged customer.
- **Rating System:**
  - **User Feedback:** Users contribute to the improvement of SuperEats and driver services by providing feedback through the rating system.
  - **Incentives for Feedback:** Users may receive incentives, such as discounts or exclusive promotions, for consistently providing feedback.

PERFORMANCE:

- **Food Preparation Notifications:** Users are notified when the food is ready ensuring they can plan for the imminent delivery.
- **Time sensitive Alerts:** Notifications are timely, providing users with relevant information exactly when they need it.
- **Driver Ratings:**
  - **Transparent Evaluation:** Users view driver ratings for informed decision-making ensuring a positive and reliable delivery experience.
  - **Driver Performance:** Drivers receive detailed analytics on their performance, fostering continuous improvement.

SECURITY:

- **Data Protection:**
  - **Security Protocols:** SuperEats employs standard data protection protocols to safeguard user information, particularly credit card details.

- **Privacy:**
  - **User Anonymization:** User order preferences are anonymized and aggregated preserving individual privacy.
  - **Restricted Data Sharing:** SuperEats does not disclose user order preferences to restaurants, enhancing user privacy.
- **Driver Interaction:**
  - **Secure Communication Channels:** SuperEats ensures secure communication channels between users and drivers protecting sensitive personal information.
  - **User-Controlled Information Sharing:** Users have control over the information shared with drivers prioritizing comfort and security.

Search:

INPUTS:

- **Profile Personalization:** Users have the option to personalize their profiles with additional details to enhance their overall experience.
- **Smart Promotions:** Promotions are suggested based on users' food preferences and historical ordering patterns maximizing relevance.

OUTPUTS:

- **Customizable Alerts:** Users can customize their notification preferences to receive alerts through their preferred channels.
- **Real-Time Updates:**
  - SuperEats sends real-time updates on the order's status, including restaurant preparation and estimated delivery time.
  - **Location Tracking:** Users can track the real-time location of their delivery enhancing transparency expectations.

PROCESSES:

- **Intelligent Search:** SuperEats employs an intelligent search function, considering user preferences and historical data to offer relevant restaurant and meal suggestions.
- **Visual Menus:** Users explore visually appealing menus with images and detailed descriptions aiding in decision making.
- **Promotions:** Users choose promotions and areas based on preferences enhancing the overall value of their orders.

PERFORMANCE:

- **Food Preparation Notifications:** Users are notified when the food is ready ensuring they can plan for the imminent delivery.
- **Transparent Evaluation:** Users view driver ratings for informed decision-making, ensuring a positive and reliable delivery experience.
- **Driver Performance Analytics:** Drivers receive detailed analytics on their performance, fostering continuous improvement.
- **Predictive Ordering:** SuperEats suggests future orders based on historical data, streamlining the ordering process and enhancing user satisfaction.

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- **Data Protection:**
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Order:

INPUTS:

- **Customization Options:** Users specify their food styles allowing SuperEats to tailor restaurant suggestions and promotions based on individual tastes.
  - **Restrictions:** SuperEats considers dietary restrictions and preferences ensuring users receive relevant and suitable meal options.
  - **Smart Promotions:** Promotions are suggested based on users' food preferences and historical ordering patterns maximizing relevance.

OUTPUTS:

- Users receive immediate notifications confirming successful order placement providing reassurance.
- **Real-Time Updates:**
  - SuperEats sends real-time updates on the order's status including restaurant preparation and estimated delivery time.

PROCESSES:

- **Visual Menus:** Users explore visually appealing menus with images and detailed descriptions, aiding in decision-making.
- **Cost Estimation:** Users estimate total costs, including delivery fees, helping them make informed decisions.
- **Promotions:** Users choose promotions and areas based on preferences enhancing the overall value of their orders.
- **Promotion Matching:** SuperEats matches promotions to user preferences providing a personalized and satisfying experience
- **Detailed Records:** Users access comprehensive order histories facilitating easy reordering and providing insights into past preferences.
- **Favorites List:** Users create a favorites list for quick reordering of preferred meals.

PERFORMANCE:

- **Food Preparation Notifications:** Users are notified when the food is ready ensuring they can plan for the imminent delivery.
- **Time-sensitive Alerts:** Notifications are timely, providing users with relevant information exactly when they need it.
- **Predictive Ordering:** SuperEats suggests future orders based on historical data, streamlining the ordering process and enhancing user satisfaction.

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Order history:

INPUTS:

- **Account Creation:** Users provide essential information such as age, name, contact number, address, and credit card details during the account creation process.
- **Customization Options:** Users specify their food styles allowing SuperEats to tailor restaurant suggestions and promotions based on individual tastes.
- **Smart Promotions:** Promotions are suggested based on users' food preferences and historical ordering patterns maximizing relevance.

OUTPUTS:

- Users receive immediate notifications confirming successful order placement providing reassurance.

PROCESSES:

- **Intelligent Search:** SuperEats employs an intelligent search function, considering user preferences and historical data to offer relevant restaurant and meal suggestions.
- **Visual Menus:** Users explore visually appealing menus with images and detailed descriptions, aiding in decision-making.
- **Detailed Records:** Users access comprehensive order histories facilitating easy reordering and providing insights into past preferences.
- **Favorites List:** Users create a favorites list for quick reordering of preferred meals.

PERFORMANCE:

- **Continuous Learning:** SuperEats' recommendation system continually learns from user data ensuring evolving and personalized suggestions.
- **Dynamic Recommendations:** Users receive dynamic recommendations based on the time of day and historical ordering patterns, increasing relevance.
- **Predictive Ordering:** SuperEats suggests future orders based on historical data, streamlining the ordering process and enhancing user satisfaction.

SECURITY:

- **Data Protection:**
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CLASS DIAGRAM

Create a class diagram. The Class Diagram should contain all of the system objects, their attributes, and any known methods. This diagram may be included as a separate file – it does not need to be inserted into this Word document.

USE CASE DIAGRAM

Create a Use Case Diagram for all of the "uses" of your system. This diagram may be included as a separate file – it does not need to be inserted into this Word document.

USE CASE SCENARIOS

Create a full description Use Case Scenario (detailed descriptions) for each use case of the system. This full scenario should include an enumerated list of steps involved in the activity as well as any exception conditions.

SYSTEM SEQUENCE CHARTS

For each Use Case Scenario, provide a sequence diagram. Use your class diagram, use case diagram and scenarios to create the corresponding System Sequence Diagram.