**Software Requirements Specification (SRS) for Swiggy-like Food Ordering Platform**

**Title:** Swiggy Food Ordering Platform  
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**1. Introduction**

* **Purpose:** To define the functionalities, modules, and features of the Swiggy Food Ordering Platform.
* **Scope:** The Swiggy-like platform aims to facilitate food ordering, delivery, and payment services for various restaurants and users within specified regions, ensuring user-friendly and technologically advanced solutions.
* **Background:** Designed to connect users with diverse restaurant options, providing a seamless food ordering and delivery experience while adhering to regulatory standards.

**2. Functional Requirements**

* **Requirement 1: User Registration and Authentication**
  + Users should register securely, providing necessary personal information for account creation and authentication.
* **Requirement 2: User Login**
* User should Login, providing necessary Login information
* **Requirement 3: Restaurant Search and Listing**
  + Restaurants can be searched based on cuisine, location, ratings, and availability, displaying detailed listings.
* **Requirement 4: Menu Viewing and Customization**
* Restaurant menus can be viewed, orders customized, and preferences specified by customers.
* **Requirement 5: Food Ordering** 
  + Placing orders, selecting delivery options, and receiving confirmations should be accessible to users.
* **Requirement 6: Order Tracking**
  + Tracking the status of their orders should be available to users.
* **Requirement 7:Payment Processing**
* Support multiple payment methods securely, including cards, digital wallets, and

Cash on delivery.

* **Requirement 8: Order Modification and Cancellation**
  + Within specified timelines, modifications or cancellations of orders should be feasible for users.
* **Requirement 9: Reviews and Ratings**
  + Able to leave reviews and ratings for restaurants to guide other users.
* **Requirement 10: Customer Support**
  + Offer customer support for queries, problem resolution, and assistance.

**3. Non-Functional Requirements**

* **Requirement 1: Security Measures**
  + Define authentication and authorization standards for user and restaurant staff access.
  + Implement encryption standards for securing sensitive data like payment information.
* **Requirement 2: Performance Targets**
  + Establish maximum response times for operations such as order placement, modification, and cancellation.

**4. Use Cases**

* **Use Case 1: User Registration**
  + Users can create accounts with necessary personal details for authentication and personalization.
* **Use Case 2: Search and Order**
  + Users search for restaurants based on preferences, place orders, and select delivery options.
* **Use Case 3: Order Modification**
  + Users can modify or cancel orders within stipulated timelines.
* **Use Case 4: Payment Processing**
  + Interact with payment gateways securely for payment confirmation and completion.
* **Use Case 5: Reviews and Ratings**
  + Users leave reviews and ratings to assist others in decision-making.
* **Use Case 6: Customer Support**
  + Access customer support for assistance with orders or inquiries.

**5. System Architecture**

* **Architecture Overview:** Follow a scalable architecture design to manage user requests and interactions with restaurants and delivery partners efficiently.
* **Data Model:** Employ Relational data for effective management of restaurants, menus, orders, and user information.

**6. Constraints**

* **Constraint 1: Geographical Variations**
  + Consider regional variations affecting user preferences, regulations, and market conditions.
* **Constraint 2: Regulatory Compliance**
  + Adhere to local and international laws governing data privacy, consumer protection, and payment processing.
* **Constraint 3: Content and Data Licensing**
  + Adhere to content and data licensing agreements for restaurant listings, images, and relevant information.

**7. Assumptions and Dependencies**

* **Dependency 1: Payment Gateways**
  + Dependence on third-party payment gateways for secure payment processing; reliability and functionality are crucial.
* **Assumption 1: User Authentication**
  + Assumes users possess valid contact information for registration and authentication, providing accurate details during registration.