User Requirements

1. Convenience: Users need a platform that is easy to use and allows them to order food quickly and efficiently.
2. Variety: Users want access to a wide range of restaurants and cuisines to choose from.
3. Timeliness: Users expect their orders to be delivered on time and in good condition.
4. Transparency: Users need clear information about prices, delivery fees, and other charges.
5. Customization: Users appreciate the ability to customize their orders according to their preferences or dietary restrictions.
6. Security: Users need assurance that their personal information and payment details are kept secure and confidential.

Functional Requirements

• **Order Function**:

- Description -> User can make an order for drinks, food, donation or health care.

-Input -> Product information, user information, the quantity of the product, special requests.

-Source:

- Product information -> from product's database which the user selected.
- User information -> from user's database which the user entered when he c reated his account.
- Quantity of product, Special requests -> entered by the user.

-Pre-condition-> user has an account and he starts to select the quantity of the product.

-Post-condition -> application will view check-out page and send to delivery guys to decide who will deliver this order and check availability of the supplier to prepare this order.

-Output -> send to the supplier to confirm the order and calculate the total price.

• **Browse Function**:

-Description -> User can browse restaurants, coffee shops and charity organizations, he can also search, order again, browse short cuts, view some offers and see recommendations.

-Input -> Product’s information.

-Source:

- Product’s information and offers -> from Product’s database.

-Pre-condition -> user has an account.

-Post-condition -> application will view products and their price and offers.

-Output -> list of categories is viewed.

• Keep Track of Order Function:

-Description -> User can follow order's status.

-Input -> order status and delivery’s information.

-Source:

- Delivery’s information -> from delivery’s database.
- Delivery’s location ->Map system.
- Order status -> Supplier system.

-Pre-condition-> user ordered, supplier has accepted the order and whether there was free delivery or not.

-Post-condition -> Delivery confirms that the user received the order and removes it from user's orders page.

-Output -> Monitor order status.

• Check-out Function:

-Description -> User chooses the payment method.

-Input -> Total price of the order.

-Source:

- Total price of order -> It's calculated in Order function.

-Pre-condition-> user ordered, supplier has accepted order and whether there was free delivery or not.

-Post-condition -> Delivery starts to move and shares his location.

-Output -> supplier confirms order, adds order to user's order page and delivery’s name and phone number are viewed to the user.

• Order Again Function:

-Description -> It displays products that user had ordered before.

-Input -> Last 5 User's unique Order information.

-Source:

- Last 5 User's unique Order information -> from User's Order information table in database.

-Pre-condition -> user has an account and user had ordered this product before.

-Post-condition ->view list on home page.

-Output -> list of ordered-products.

• Feedback & Rate Function:

-Description -> It displays the feedback of the user’s previous order and their rating to it.

-Input -> rate order, rate restaurant, rate delivery.

-Source:

- rate order, rate restaurant, rate delivery -> Entered by the user.

-Pre-condition ->user ordered.

-Post-condition ->view Feedback & Rate on supplier page.

-Output -> list of Feedbacks & Ratings.

• Create Account Function:

-Description -> A new user should sign up so they can be provided with Talabat's various services.

-Input -> name, email, password, phone number, and address.

-Source:

- The user must enter their inputs via the sign-up interface.

-Pre-condition -> The user is inquired to sign up once they try using one of Talabat's services.

-Post-condition -> The user shall be able to use all Talabat's features and services.

-Output -> A welcome message and suggestions shall be displayed once sign up is completed successfully.

Non-Functional Requirements

Product Requirements:

- AES Algorithm will use to encryption user data.
- Downtime (failure) of the application shouldn’t exceed 5 ms per day.
- Order on application is available 24 hours a day all the week.
- The screen refresh time shouldn’t exceed 0.025 seconds. - Application size shouldn’t exceed 225 MB.

Organizational Requirements:

- Programming Language is Flutter.
- Mobile Application on Android & IOS.
- The system shall be useable by program developers after five weeks of training.
- Users will be able to use the application once downloading application.