

## Assignment 9

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Batch:- CSE

Subject:- Software testing for business management.

~~Case~~ Study for test case for Swiggy mobile application.

\* Functional Test Cases:

1) User Registration:

→ Test Case: Verify that a new user can successfully register an account.

→ Functional Operation: Registering a new user account.

→ Non-Functional Operation: User data validation, security and database interaction.



## 2) Restaurant Search:-

- Test Case: Check if the user can search for restaurants by entering keywords.
- Functional Operation: Retrieving restaurant data based on user input.
- Non-Functional Operation: Search speed, accuracy of results and database performance.

## 3) Order Placement:-

- Test Case: Ensure that a user can place and order from a selected restaurant.
- Function Operation: Adding items to the cart, specifying delivery address and payment.
- Non-Functional Operation: Order processing time, ~~per~~ payment gateway integration and order accuracy.



## 4) Tracking Orders:-

→ Test Case: Validate that users can track the status of their orders.

→ Functional Operation: Providing real-time updates on order status.

→ Non-Functional Operation:- Tracking accuracy, speed of updates, and user interface responsiveness.

## 5) Payment Process:-

→ Test Case:- Test the payment process using various payment methods.

→ Functional operation:- Providing real-time updates on order status.

→ Non-Functional Operation: Tracking accuracy, speed of updates and user interface responsiveness.



## Non-Functional Test Case

### 1) Performance:-

→ Test Case: Measure the app's response time during peak usage hours.

→ Non-Functional Aspect 1: Ensuring the app is responsive and doesn't slow down under heavy load.

### 2) Security:

→ Test Case: Verify the security of user data during registration and transactions.

→ Non-Functional Aspect 1:- Ensuring user data is encrypted and protected from unauthorized access.



## Usability:-

→ Test Case:- Evaluate the app's user interface for intuitive navigation and ease of use.

→ Non-Functional Aspect:- Ensuring a user-friendly interface that enhances user experience.

## 4) Scalability:-

→ Test case: Test the app's performance when the number of users and restaurants increases.

→ Non-Functional Aspect:- Ensuring the app can handle growth without a significant drop in performance.



### 5) Compatibility:-

→ Test Case: Check the app's compatibility with different Android versions and devices.

→ Non-Functional Aspect: Ensuring the app functions correctly across a variety of devices.

### 6) Reliability:-

→ Test Case: Evaluate the app's stability by checking for crashes and unexpected behaviour.

→ Non-Functional Aspect:- Ensuring the app functions reliably without frequently crashing.