

Testing Examples with Additional Cases

1. Functional Testing:

- Example 1: Testing the signup feature. When a user fills out the form and submits, the system should create an account successfully.
- Example 2: Testing the search functionality. When a user searches for a product, the relevant items should be displayed.
- Example 3: Testing the checkout process. The user should be able to add items to the cart and complete the payment.
- Example 4: Testing the password reset functionality. A user should receive a reset link when requested.
- Example 5: Testing email notifications. The system should send a confirmation email when a user completes registration.

2. Regression Testing:

- Example 1: After adding a 'profile picture' feature, verify that the existing profile update functionality is still working.
- Example 2: After fixing a bug in the cart feature, retest other cart-related functions to ensure no new issues were introduced.
- Example 3: After upgrading the database, retest all forms that rely on data input/output to check compatibility.
- Example 4: After adding a new payment gateway, retest the existing ones to ensure no integration issues.

- Example 5: After making performance improvements to the dashboard, ensure that all widgets still display the correct information.

3. Smoke Testing:

- Example 1: Verifying that the login page loads correctly after deploying a new build.
- Example 2: Checking that the 'Home' button on the main page redirects the user to the home screen.
- Example 3: Ensuring that a user can add at least one item to their cart on a shopping app after a system update.
- Example 4: Verifying that the app does not crash upon launch and basic navigation works.
- Example 5: Testing if the application starts correctly in different environments (e.g., on different OS or browsers).

4. Integration Testing:

- Example 1: Testing the integration between the payment gateway and the billing system to ensure successful transactions.
- Example 2: Testing the integration of the email notification system with user registration to ensure emails are sent upon sign-up.
- Example 3: Testing the communication between the front-end and back-end when submitting forms.
- Example 4: Testing integration between the user profile module and the account management system.
- Example 5: Verifying that data entered into a form is correctly saved into the database.

5. User Acceptance Testing (UAT):

- Example 1: A group of end-users testing the newly added 'live chat' feature for usability.
- Example 2: End-users testing the entire purchase flow on an e-commerce platform, from browsing products to completing payment.
- Example 3: Users testing the 'feedback submission' feature on a customer service platform.
- Example 4: End-users performing a 'leave request' on a newly developed HR portal.
- Example 5: Customers testing the 'invoice download' feature on a billing system to ensure ease of use.

6. Compatibility Testing:

- Example 1: Testing a web application on Internet Explorer, Chrome, Firefox, and Safari.
- Example 2: Ensuring that the mobile app works seamlessly on iOS and Android devices.
- Example 3: Testing a website on different screen sizes to verify that it is responsive.
- Example 4: Verifying that a web app functions well on both Mac and Windows operating systems.
- Example 5: Testing an app's performance on both low-end and high-end devices to ensure optimal user experience.

7. Exploratory Testing:

- Example 1: A tester clicks around a new social media app without predefined steps to explore how the user profile and posts behave.
- Example 2: Navigating through the newly designed admin panel, trying random actions like adding or deleting users, to discover any hidden issues.

- Example 3: Browsing different categories and making purchases in an e-commerce app without following a strict plan.
- Example 4: Playing with the filter and sort options on a real estate website to see if they cause unexpected behaviors.
- Example 5: Performing random navigation in an event booking app to check for usability and performance issues.