**Step 1: Select a Software Requirement Document or User Story**

let's say we have a user story for an e-commerce website: "As a user, I want to be able to add items to my shopping cart so that I can purchase them later."

**Step 2: Write a Test Plan**

**Test Plan for Shopping Cart Feature:**

**Scope:**

- Testing the functionality of adding items to the shopping cart.

- Ensuring items are correctly displayed in the cart.

- Verifying the cart updates correctly when items are added or removed.

**Objectives:**

- Validate that users can add items to the shopping cart.

- Ensure the shopping cart displays the correct items and quantities.

- Confirm that the cart updates accurately when items are added or removed.

**Resources:**

- Testers: 2 QA engineers

- Tools: Google Docs for documentation, Selenium for automated testing, JIRA for tracking issues

**Schedule:**

- Test Plan Creation: 1 day

- Test Case Development: 2 days

- Test Execution: 3 days

- Review and Refinement: 1 day

**Step 3: Create Detailed Test Cases**

**Test Case 1: Add Item to Cart (Positive Scenario)**

- Description: Verify that a user can add an item to the shopping cart.

- Preconditions: User is logged in and on the product page.

- Steps:

1. Click on the "Add to Cart" button for a product.

2. Navigate to the shopping cart page.

- Expected Result: The selected item is displayed in the shopping cart with the correct quantity.

**Test Case 2: Add Item to Cart (Negative Scenario)**

- Description: Verify that an error message is displayed when trying to add an out-of-stock item to the cart.

-Preconditions: User is logged in and on the product page of an out-of-stock item.

- Steps:

1. Click on the "Add to Cart" button for the out-of-stock product.

- Expected Result: An error message is displayed indicating that the item is out of stock.

**Test Case 3: Remove Item from Cart (Positive Scenario)**

- Description: Verify that a user can remove an item from the shopping cart.

- Preconditions: User has at least one item in the shopping cart.

- Steps:

1. Navigate to the shopping cart page.

2. Click on the "Remove" button for an item.

- Expected Result: The item is removed from the shopping cart, and the cart updates accordingly.

**Step 4: Review and Refine Test Cases**

Review the test cases with your team and refine them based on feedback. Ensure that all scenarios are covered and that the test cases are clear and concise.

