**Testing Approach:**

1)Requirements Analysis:

Review the project requirements, user stories, and design specifications to understand the scope and functionality of the application.

2)Test Planning:

* Develop a test plan that outlines the testing objectives, scope, resources, and schedule.
* Identify the types of testing to be performed (e.g., functional, usability, performance).
* Define the testing environment, including browsers and devices.
* Determine the testing tools and frameworks to be used (e.g., TestCafe, Selenium, JUnit).

3) Test Case Design:

* Create detailed test cases for each functionality or feature of the application.
* Specify the test inputs, expected outcomes, and steps to reproduce.
* Categorize test cases into positive (valid) and negative (invalid) scenarios.

Test Cases:

* Test Case 1: Successful Login

Input: Valid username and password

Expected Outcome: Redirect to the dashboard page

* Test Case 2: Unsuccessful Login - Invalid Credentials

Input: Invalid username and/or password

Expected Outcome: Display an error message

4)Test Execution:

* Execute test cases in the defined testing environment (e.g., Chrome and Firefox).
* Report test results, including pass/fail status and any defects found.
* Retest defects after they are fixed.