**User Stories:**

**US-1: As a user, I want to be able to easily access multiple sample forms by clicking on the preview form icon.**

**Description:**

Users will have the ability to conveniently access a variety of sample forms by simply clicking on the preview form icon. This feature aims to enhance user experience and facilitate quick access to different sample forms for reference or usage.

**US-2: As a user, I want to have the ability to generate multiple reports for test results at once**

**Description:**

As a user, I want to be able to generate multiple reports for test results simultaneously in order to streamline the process and save time. This feature will allow me to select multiple tests and generate reports for all of them at once, rather than generating reports for each test individually. The ability to batch generates reports will enhance efficiency and productivity in managing and analysing test results.

**US-3: As a user, I want to be able to integrate a test report with the executed test results**

**Description:**

As a user, I want to have the capability to seamlessly integrate a comprehensive test report detailing the outcomes of executed test cases. This integration should allow me to easily analyze and track the test results, ensuring that I have a clear understanding of the testing process and the overall quality of the software being tested.

**User Story 4: View List of Test Cases**

**Description**:  
*As a user, I want to view a list of test cases associated with a selected form, so I can choose the ones relevant to my needs.*

**Acceptance Criteria**:

1. Given a form is selected, when the user navigates to the test case view, they should see a list of all associated test cases.
2. The test case list should display relevant details such as test case ID, name, and status.
3. The user can search or filter test cases to narrow down the list.

**User Story 5: Select Test Cases**

**Description**:  
*As a user, I want to select specific test cases from the list, so I can focus on automating relevant scenarios.*

**Acceptance Criteria**:

1. Given the user views the list of test cases, when they select specific test cases, the system should allow multiple or individual selections.
2. The system should visually indicate which test cases are selected (e.g., checkbox or highlight).
3. The user should have the option to deselect any test cases before proceeding.

**User Story 6: Generate Automated Test Scripts**

**Description**:  
*As a user, I want to generate automated test scripts based on the selected test cases, so I can validate the functionality of the form efficiently.*

**Acceptance Criteria**:

1. Given the user selects test cases, when they click "Generate Scripts," the system should create automated test scripts for the selected cases.
2. The system should confirm script generation with a success message.
3. Generated test scripts should be saved and linked to their respective test cases.

**User Story 7: Execute Test Scripts**

**Description**:  
*As a user, I want to execute the automated test scripts for the selected test cases, so I can validate their performance and functionality.*

**Acceptance Criteria**:

1. Given the user has generated test scripts, when they click "Execute Scripts," the system should execute the selected scripts.
2. The system should provide execution status updates (e.g., "Running," "Completed").
3. The system should display the outcome of each executed script (e.g., Pass, Fail, Error).

**User Story 8: View Test Script Execution Results**

**Description**:  
*As a user, I want to view the results of executed test scripts, so I can analyze the outcomes and identify issues.*

**Acceptance Criteria**:

1. Given test scripts are executed, when the user navigates to the results view, they should see a summary of execution outcomes.
2. The results should include details like test case ID, execution status, logs, and any errors.
3. The user should be able to export the results for further analysis.

**User Story 9: Visual Test Results**

**Description**:  
*As a user, I want test results to be displayed visually with graphs and summaries, so I can easily understand the outcomes.*

**Acceptance Criteria**:

1. Test results should include color-coded statuses (e.g., green for pass, red for fail).
2. Graphs and charts should summarize execution metrics (e.g., pass rate, execution time).
3. Users can click on failed test cases to view detailed logs in simple language.

**User Story 10: Natural Language Test Case Creation**

**Description**:  
*As a user, I want to describe test scenarios in natural language, so the system can generate corresponding test cases automatically.*

**Acceptance Criteria**:

1. Users can type or select natural language statements (e.g., "Check that the form submits when all fields are filled").
2. The system should translate these statements into executable test cases.
3. The user can preview and edit the generated test cases if needed.

**User Story 11: Handle Failed Test Cases and Notify Users**

**Title**: *Notification and Guidance for Failed Test Cases*

**Description**:  
*As a user, I want the system to notify me of failed test cases and provide actionable guidance, so I can resolve issues quickly and efficiently.*

**User Story 12: Display Relevant Suggestions for Failed Test Cases**

**Description**:  
*As a user, I want the system to display relevant suggestions when a test case fails, so I can understand potential fixes for the error.*

**Acceptance Criteria**:

1. The system should analyze the error log and generate suggestions based on the failure type.
2. Suggestions should be prioritized and displayed prominently on the error log page.
3. Each suggestion should include a brief explanation in non-technical terms.