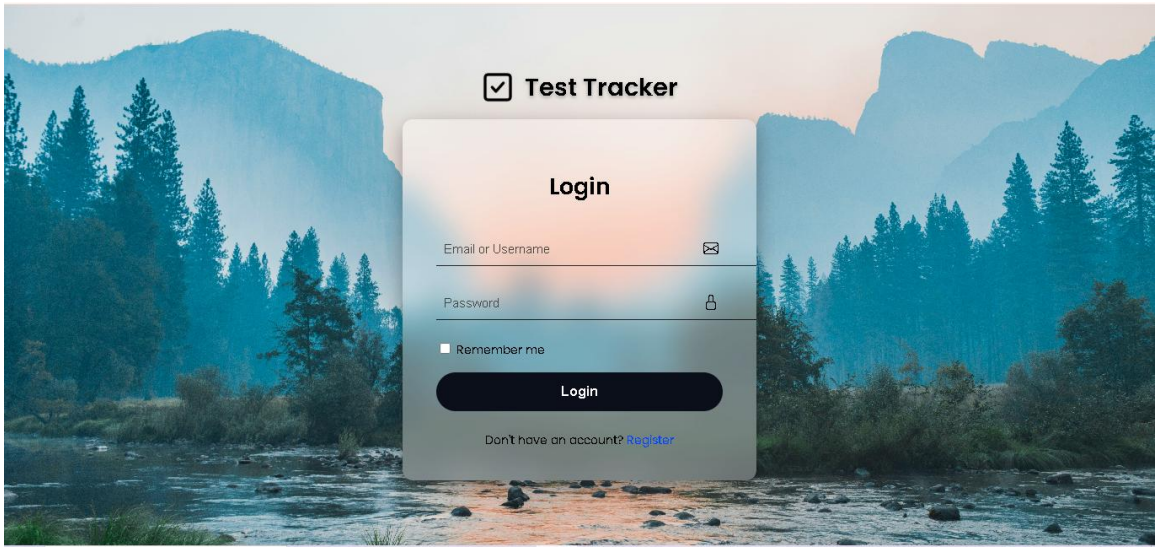
Test Tracker – Project Report

Purpose of the Project

Test Tracker is an automation-based testing management tool aimed at simplifying and organizing the process of managing project requirements and their associated test cases. This application helps software testers and QA teams create, update, and manage project requirements and link them with specific test cases, improving traceability and overall quality assurance workflow.

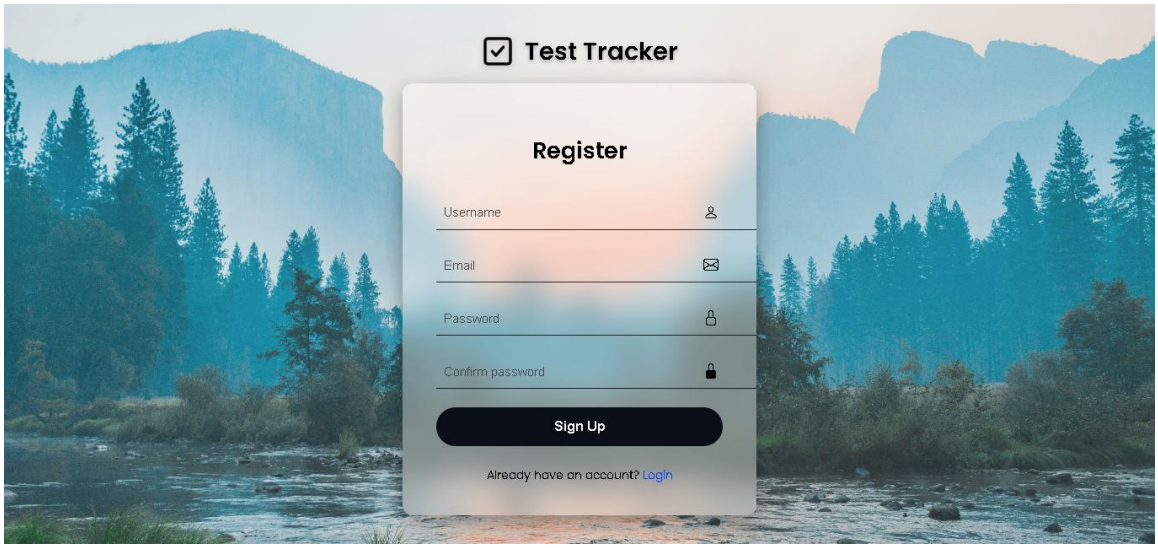
Login Page

The login page allows registered users to access the system securely using their username or email and password. The login form is centrally aligned on the screen with a blurred background image. The title 'Login' appears centered just above the form. Input fields for credentials are accompanied by icons, and a login button sits below the form. Feedback for invalid credentials appears in a red message box.



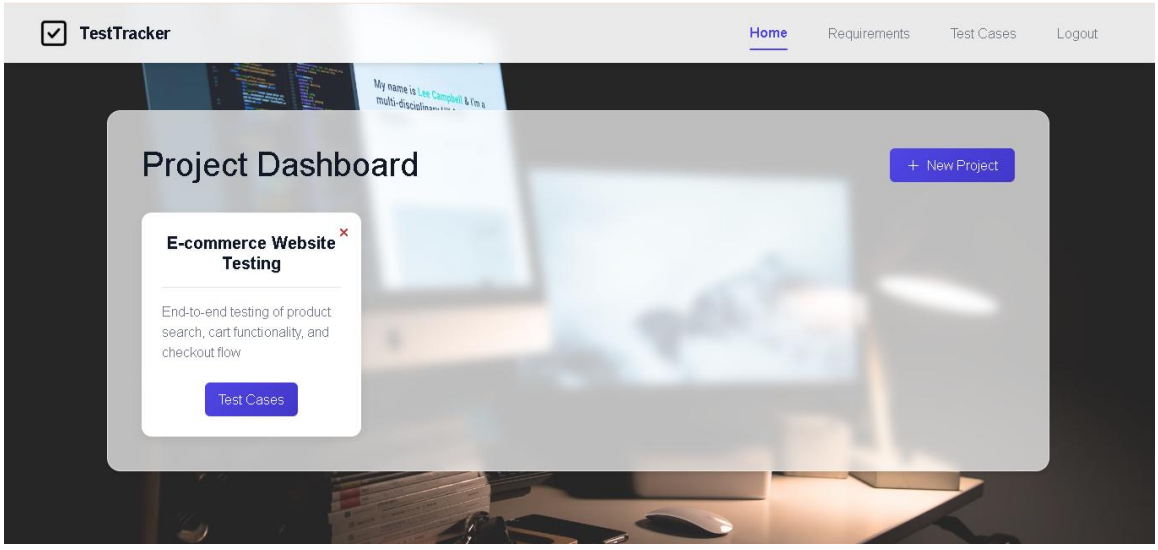
Register Page

New users can create an account on the Register page. The form is also center-aligned with fields for username, email, password, and confirm password. On successful registration, users are redirected to the login page. The page has a modern design consistent with the login page.



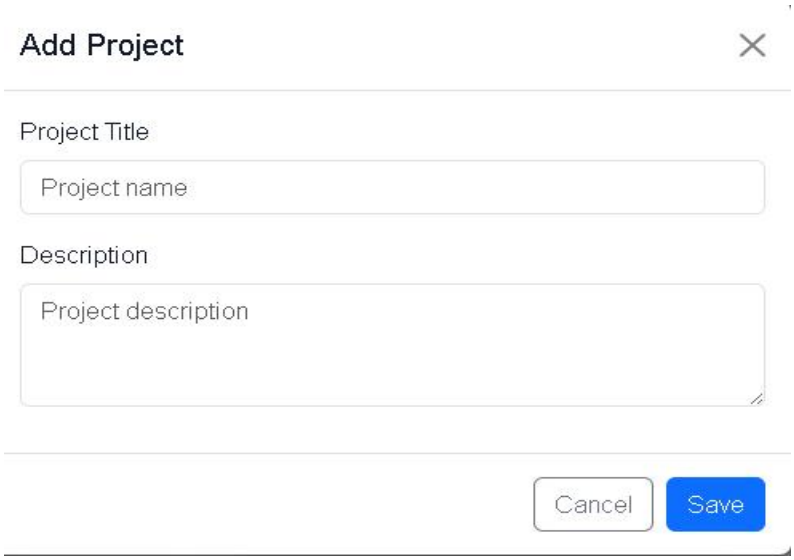
Home Page

After logging in, users are redirected to the Home page. It displays all projects as cards in a grid layout. Each card shows the project title, description and Add testcase button. A floating plus button below the navbar opens a modal to add a new project. The layout is responsive and aesthetically pleasing.



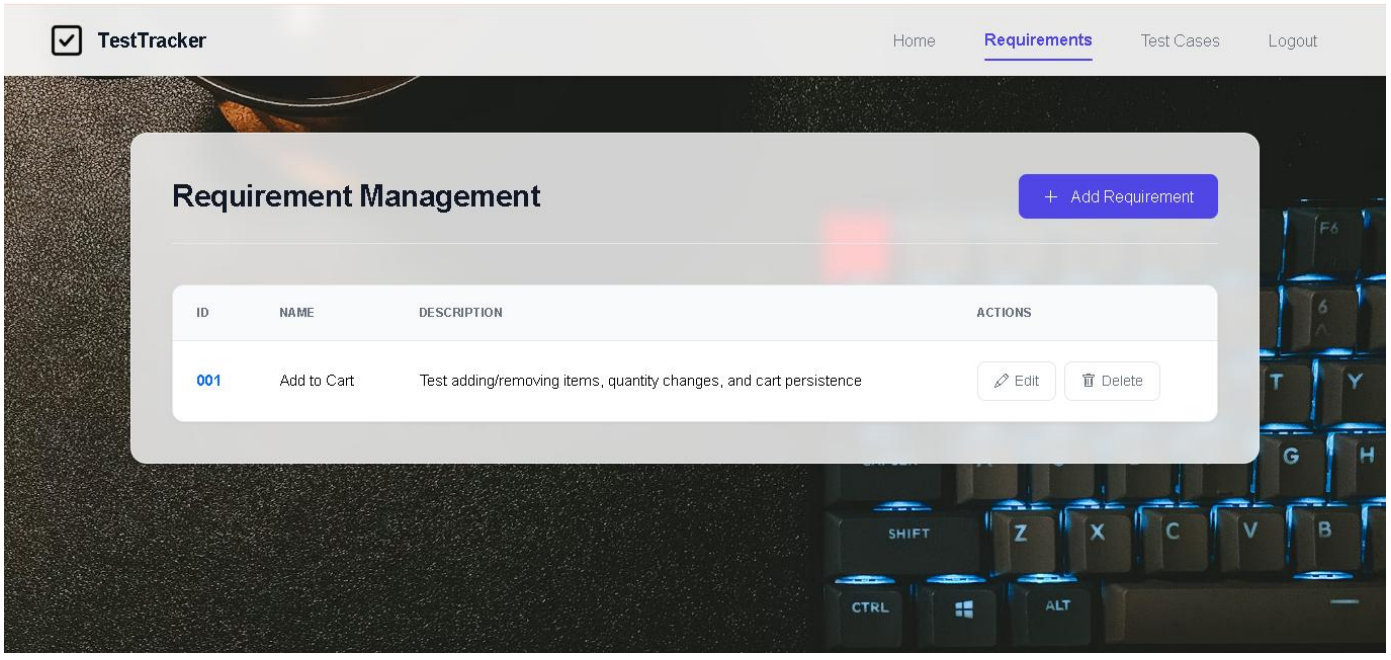
Add project Pop-Up :

This pop up helps user to add title and Description of the project to Display as cards in the Home page



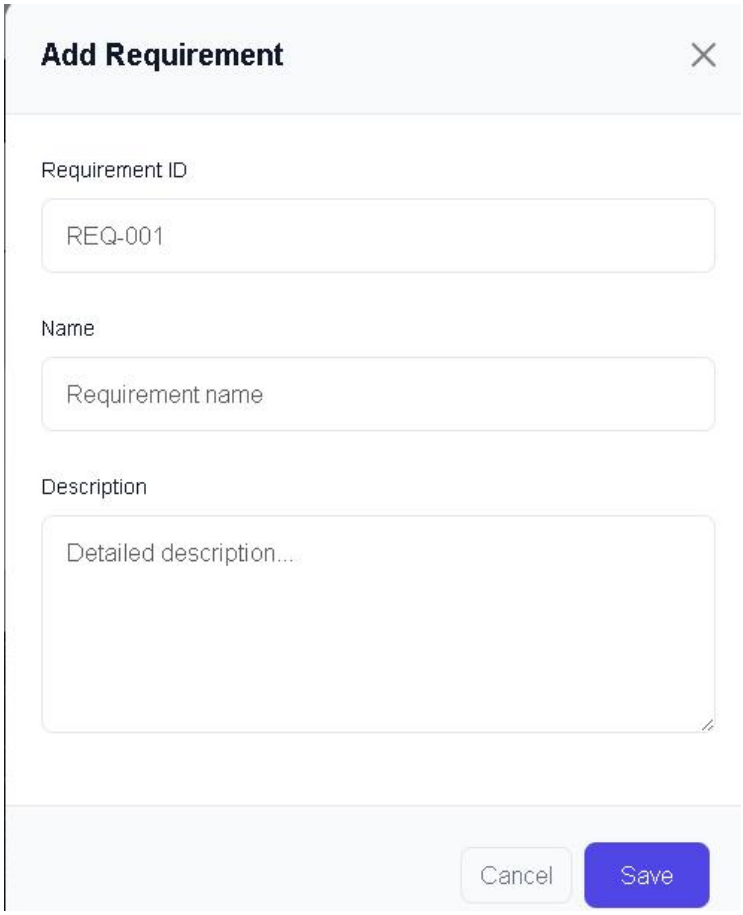
Requirement Page

Clicking on a project redirects to its associated Requirement page. The page lists all requirements in a structured table with columns for Requirement ID, Name, Description, and Actions (Update/Delete). A modal form is triggered using the 'Add Requirement' button for creating new entries. Messages for actions are suppressed for a cleaner experience. A 'Home' button is also available in the navigation



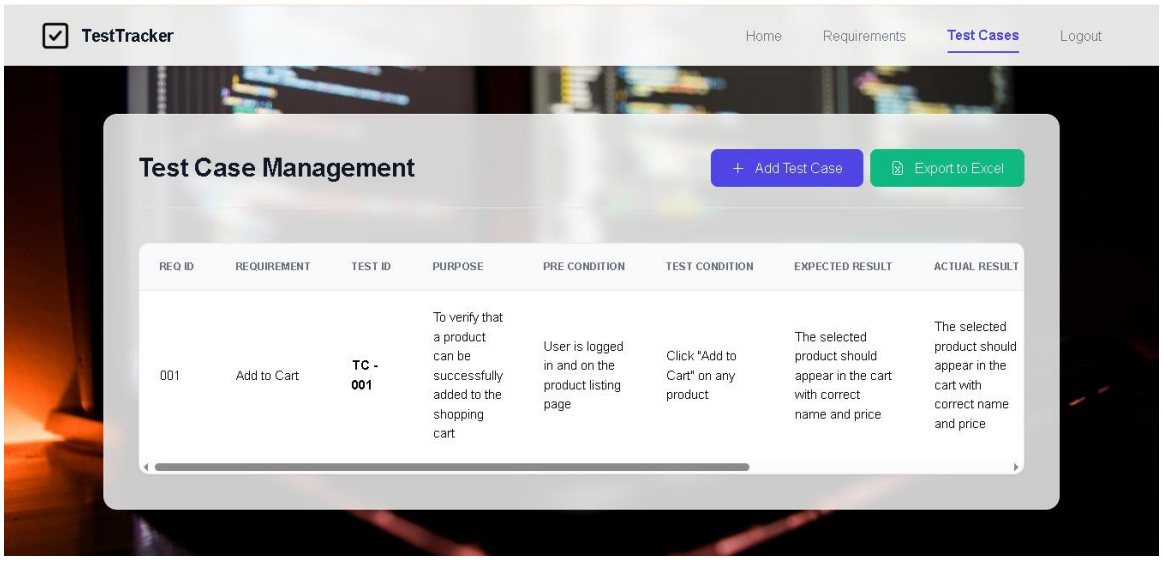
Requirement Page Pop-Up :

Allows users to define new requirements with a name and detailed description.



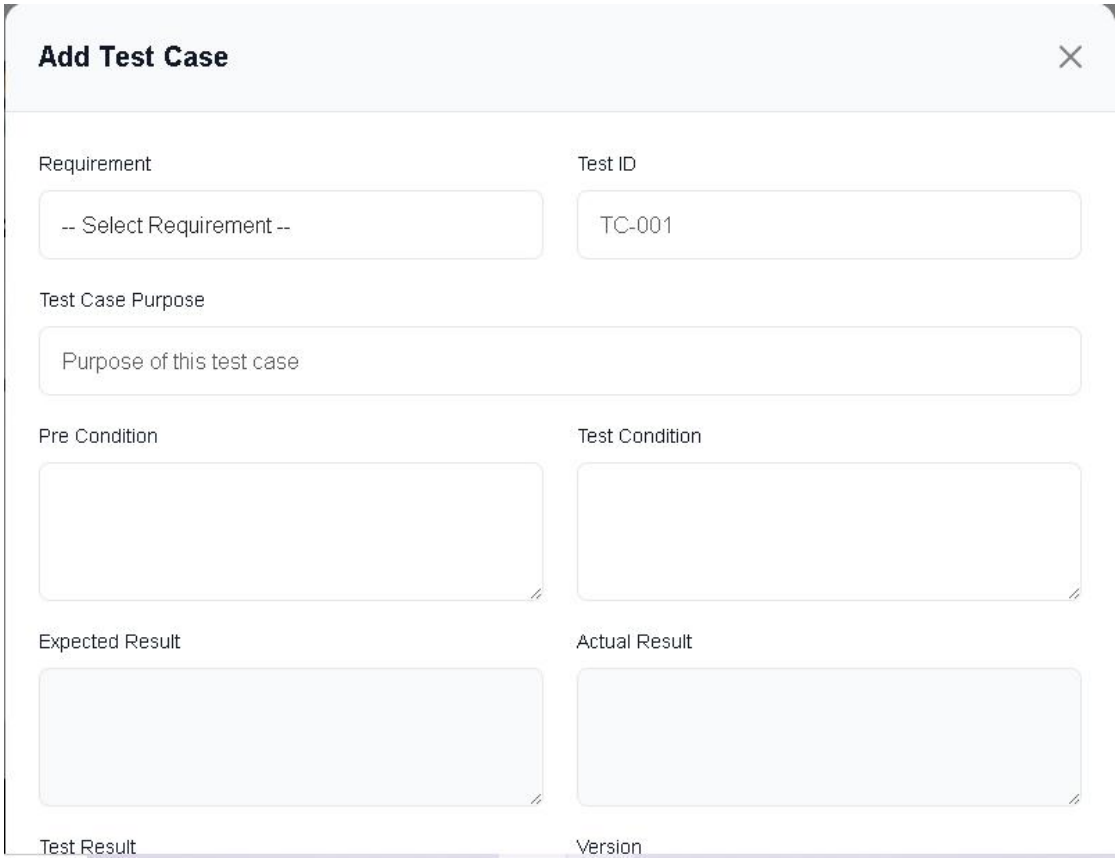
Test Case Page

The Test Case page is accessible from the navbar or from a project card. It displays a form in a modal to create test cases linked to specific requirements. Dropdowns allow the user to select existing Requirement ID and Name. Each test case includes fields like Test Case ID, Purpose, Pre-Condition, Test Steps, Expected Result, Actual Result, and Result. Submitted test cases are stored in the database and also exported to an Excel file for reporting purposes.



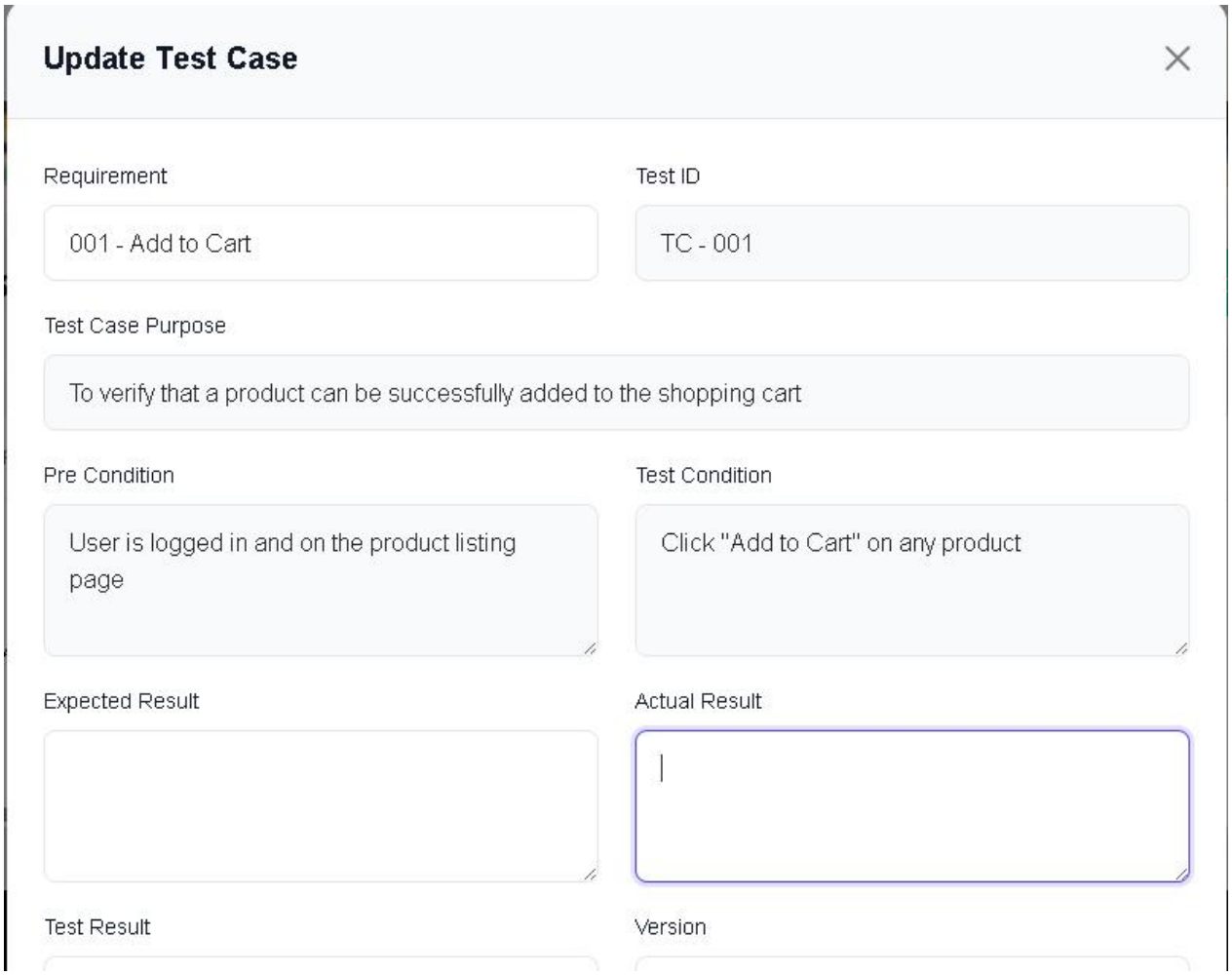
Add Test Case Pop-Up:

Creates test cases tied to specific requirements for traceability.



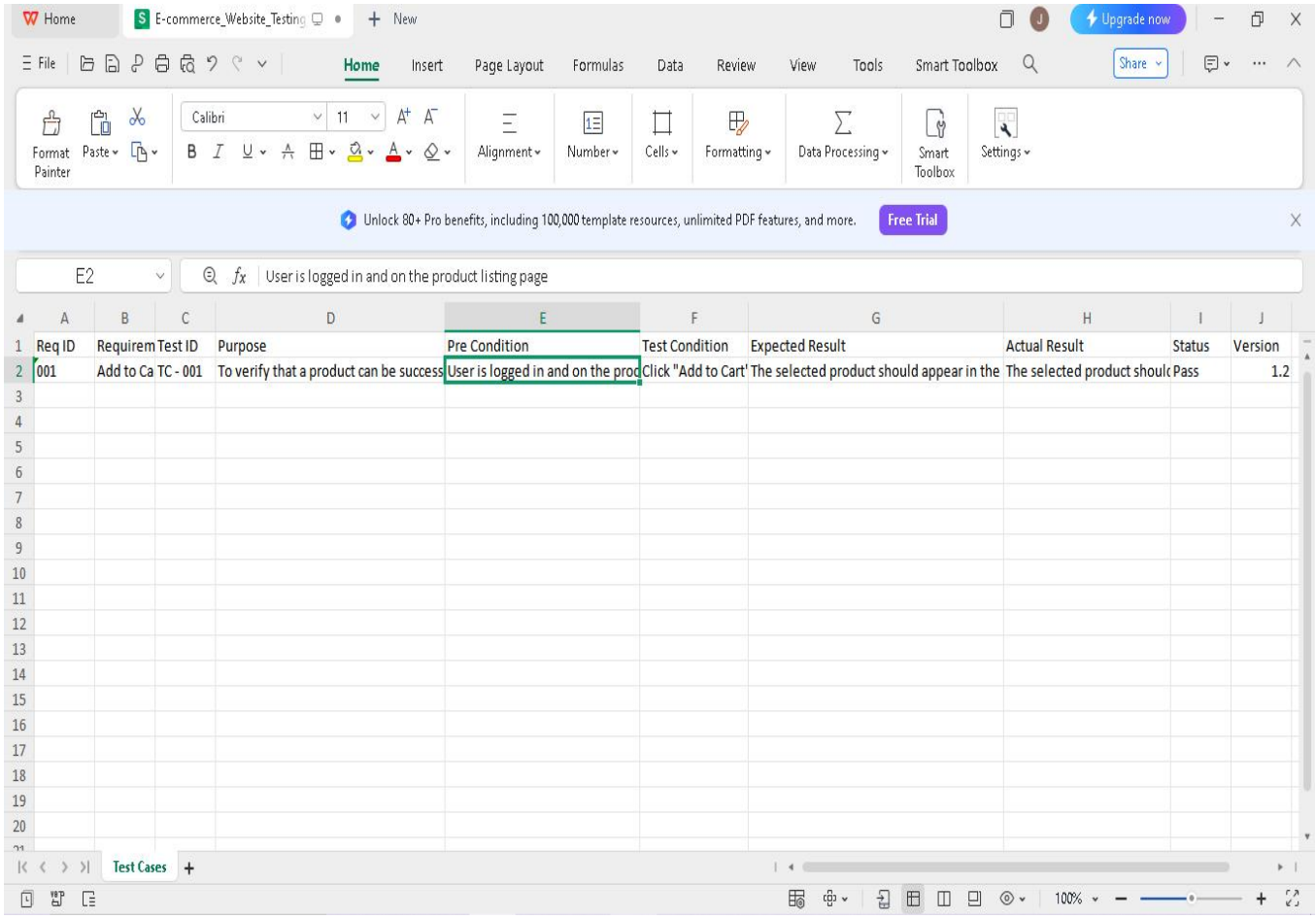
Test Case Update Pop-Up:

It allow user to update the Actual result, expected result and status of the project.



Final output as in excel sheet:

User can download an Excel sheet as an final output when they click Export button in the test case page



Sample Page Flow Diagram (Described)

→ Login Page → Home Page → (Select Project) → Requirement Page → (Add/Edit/Delete Requirements) → Test Case Page→ (Add/Edit/Delete Test case)→ Export into Excel sheet

Each page is accessible through the shared navigation bar. Actions like project selection or navigation update the visible content area accordingly.