

Mapping Test Cases to Testing Approaches

This section provides a detailed explanation of how each test case aligns with specific testing approaches used in the project. Mapping test cases to testing types ensures comprehensive test coverage and structured validation of the system.

- **Smoke Testing** covers essential system functionality like login/logout to verify system stability.
- **Functional Testing** validates expected behavior against requirements across modules.
- **UI Testing** ensures visual and interactive elements function and display correctly.
- **Negative Testing** tests how the system handles invalid inputs and error conditions.
- **Regression Testing** (limited in this demo context) would re-check features after changes.

Test Case	Testing Approach
Verify user can log in with valid credentials	Smoke Testing, Functional Testing
Verify error message appears for invalid login	Negative Testing, Functional Testing
Verify the presence of dashboard elements	UI Testing, Functional Testing
Verify navigation links redirect to correct modules	UI Testing, Functional Testing
Check logout functionality	Smoke Testing, Functional Testing
Attempt login with empty fields	Negative Testing
Verify leave request submission	Functional Testing
Verify mandatory fields in My Info section	UI Testing, Functional Testing
Navigate to Admin module and verify options	UI Testing, Functional Testing