

Functional testing workflow

06/17/2024 1:45 pm EDT

Environment setup

Action	Description
Detailed plan	Scope Requirements Schedule Success criteria

Test case design

Action	Description
Test case identification	Develop test cases based on requirements and specifications.
Definition of inputs and expected outputs	Specify the inputs to be tested and the expected outputs for each test case.

Test environment setup

Action	Description
Environment configuration	Ensure the test environment is ready, including necessary hardware, software, and network configurations.
Test data	Prepare the data to be used during testing.

Execution of test cases

Action	Description
Manual or automated execution	Manual.
Recording results	Using an established format.

Format

Module	Description	Operating systems
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Error report

Action	Description
Log of identified errors	Record any errors encountered during the test execution.
Communication with the team	Informing the development team about the errors found for correction.

Validation

Action	Description
Error correction	The development team corrects the reported errors.
Re-testing	Re-test the cases where errors were found to ensure they have been fixed.
Validation of changes	Ensure that the corrections have not introduced new errors.

Test closure

Action	Description
Evaluation of exit criteria	Verify if the defined exit criteria in the test plan have been met.
Final report	Create a final report summarizing the testing activities, results, defects found, and their status.

Maintenance

Action	Description
Monitoring and maintenance	Continuous monitoring of the RSP in production and performing maintenance testing as needed to ensure it continues to function correctly after updates or changes.

Recommendations

- **Clear Documentation:** Maintain detailed and clear documentation of all test cases and results.
 - **Automation:** Automate repetitive tests to save time and reduce human errors.
 - **Continuous Communication:** Maintain continuous communication between the testing team and the development team.
 - **Regular Review:** Regularly review and update test cases and test data to reflect changes in requirements.
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