



1. Planning and Preparation

Define testing goals, objectives, and overall project scope.

Identify testing team roles and responsibilities, including a project manager.

Establish testing schedule and timeline, based on scope.

Create a testing environment and establish realistic data sets.

Develop realistic test cases and automated test scripts.



2. Functionality Testing

Validate that each individual ERP module functions correctly.

Confirm that each module's functions align with business requirements.

Resolve any defects or issues.



3. Integration Testing

Test system's ability to integrate with its modules and other business software.

Verify that data correctly, accurately, and consistently flows among all systems.

Resolve any defects or issues.



4. Performance Testing

Test the ERP system's performance under normal and peak loads, including edge-case scenarios.

Verify system stability and scalability.

Resolve any defects or issues.



5. Security Testing

Conduct security testing to identify and address any vulnerabilities.

Validate that only authorized personnel have access to sensitive data.

Resolve any defects or issues.



6. User Acceptance Testing

Conduct user acceptance testing with a representative group of employees.

Ensure that the system meets their requirements and expectations.

Confirm system usability and user experience.

Address any user feedback or issues.



7. Final Testing and Implementation

Conduct a final round of regression testing to validate that all issues have been resolved.

Sign off on ERP testing process to confirm that it's functional and meets business needs.

Finalize implementation plan and timeline.

Deploy the ERP system in a live production environment.