

User  
Acceptance  
Testing (UAT)

# User Acceptance Testing

User acceptance testing – user or client test the software to determine if it is acceptable in meeting their needs

Give a clear picture of how the product is used by the real-time users

<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# Schedule

User Acceptance testing

System “goes live”

Alpha testing - internal

Release of system for beta testing - external

<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# Alpha / Beta Testing

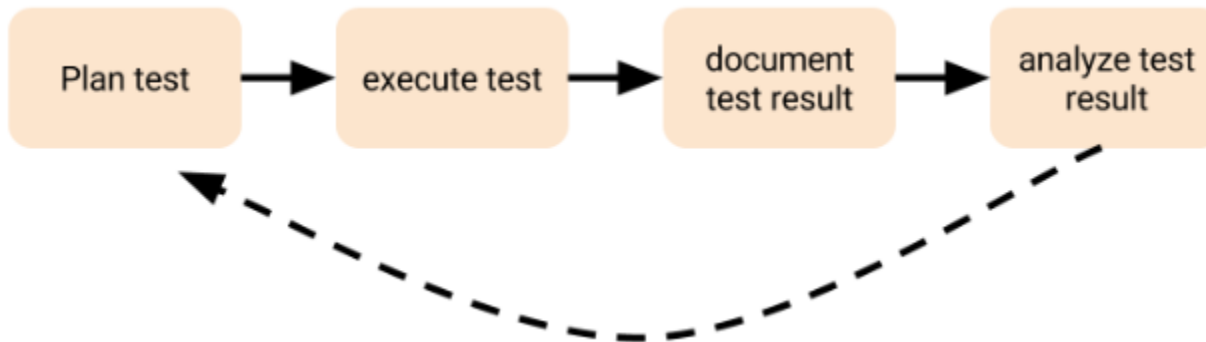
Alpha – internal acceptance testing performed mainly by the in-house software QA and testing teams , most significant in the context of COT (commercial off the shelf) products

Beta - testing carried out by real users in a real environment, system is released to a few external user groups for final testing and gathering feedback

<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# UAT Testing Process

1. Planning
2. Execution
3. Documentation
4. Evaluation
5. Reporting
6. & lessons learned



<https://usersnap.com/blog/user-acceptance-testing-workflow/>

# UAT Testing Planning

1. Gather key acceptance criteria
  - Functional or business related
  - contractual
2. Define the scope of QA involvement
  - None
  - Assist
  - Perform UAT and present results

<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# UAT Objectives

## Objectives of UAT



To confirm that the system / product performs business functions as intended per business requirements



To confirm that the system / product is usable from an end user perspective (operational ease-of-use)



To confirm that the system / product is compliant with regulatory and / or legal requirements



To certify that the system / product is deemed ready to be moved into production

## Expectations from UAT

UAT assumes that the system / product is functionally stable and that no critical functional defects will be uncovered → hence the focus on business process validation

Not expected to be as extensive as System Testing

Final sign-off authority to provide a Go / No-Go recommendation for production implementation

<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# Key Activities of UAT

## UAT Test Initiation

- UAT test approach is defined
- Business users who would be performing this testing are identified
- Environments are sorted out
- Test Data requirements are identified
- Required support from all other teams are discussed and support team: identified

## UAT Test Design

- Business Scenarios to be validated are identified and documented
- Relevant test Data is identified
- Scenarios are uploaded in the corresponding Management Tools
- Appropriate user accesses are requested and sorted out

## UAT Test Execution

- Test Execution of the business scenarios are performed
- Appropriate defects are raised in the test management tool
- Defect Re-testing and Regression testing is performed

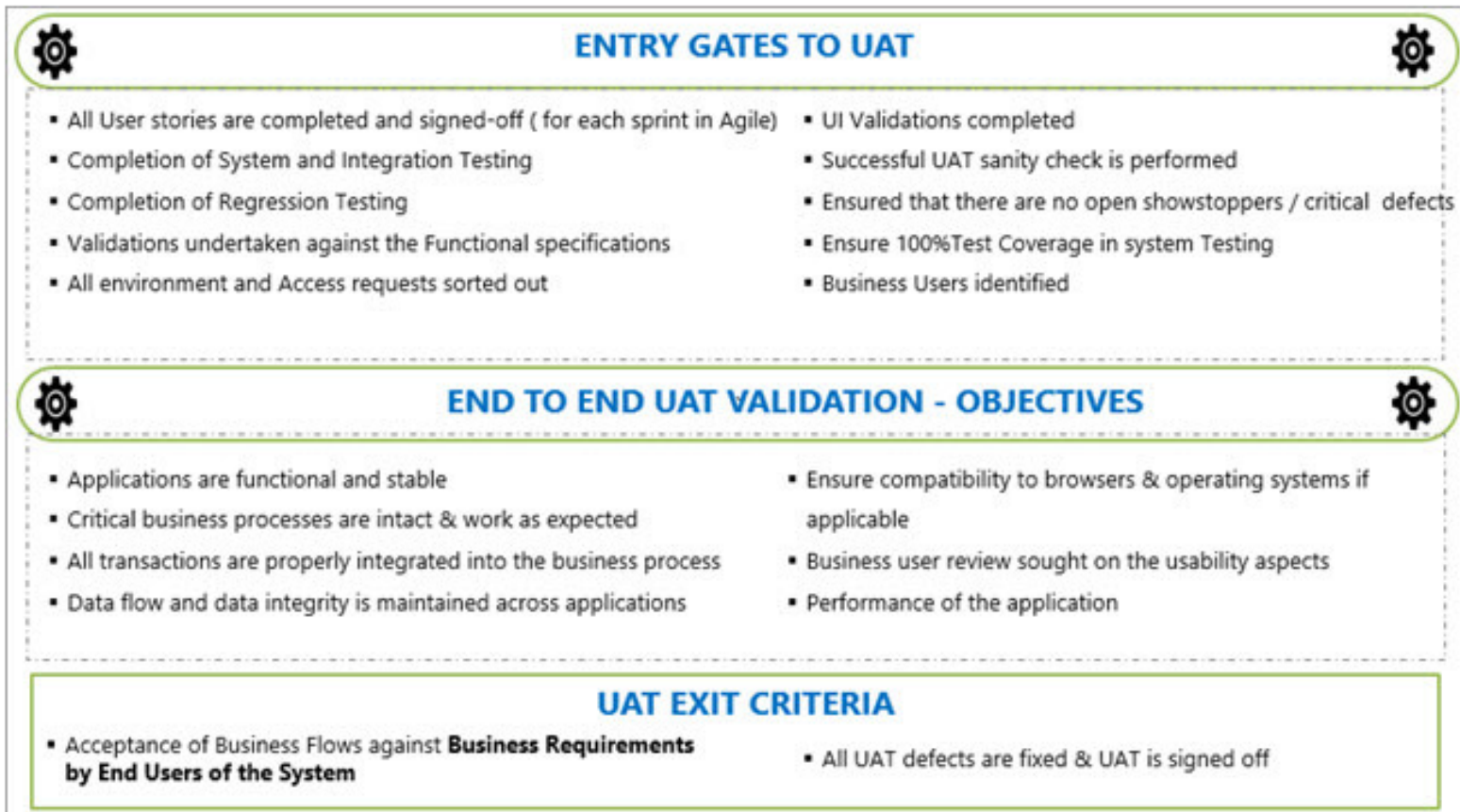
## UAT Test Closure

- UAT closure report is produced
- Go/ No- Go decision is discussed and recommended

<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>



# UAT Governance



<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# User Acceptance Testing Template

Number	Acceptance Requirement	Critical		Test Result		Comments
		Yes	No	Accept	Reject	
1	The system must execute to end of job.	√				Payroll will not run in a production status until this requirement has been met.
2	The results of payroll must be correct.	√				Payroll will not run in a production status until this requirement has been met.

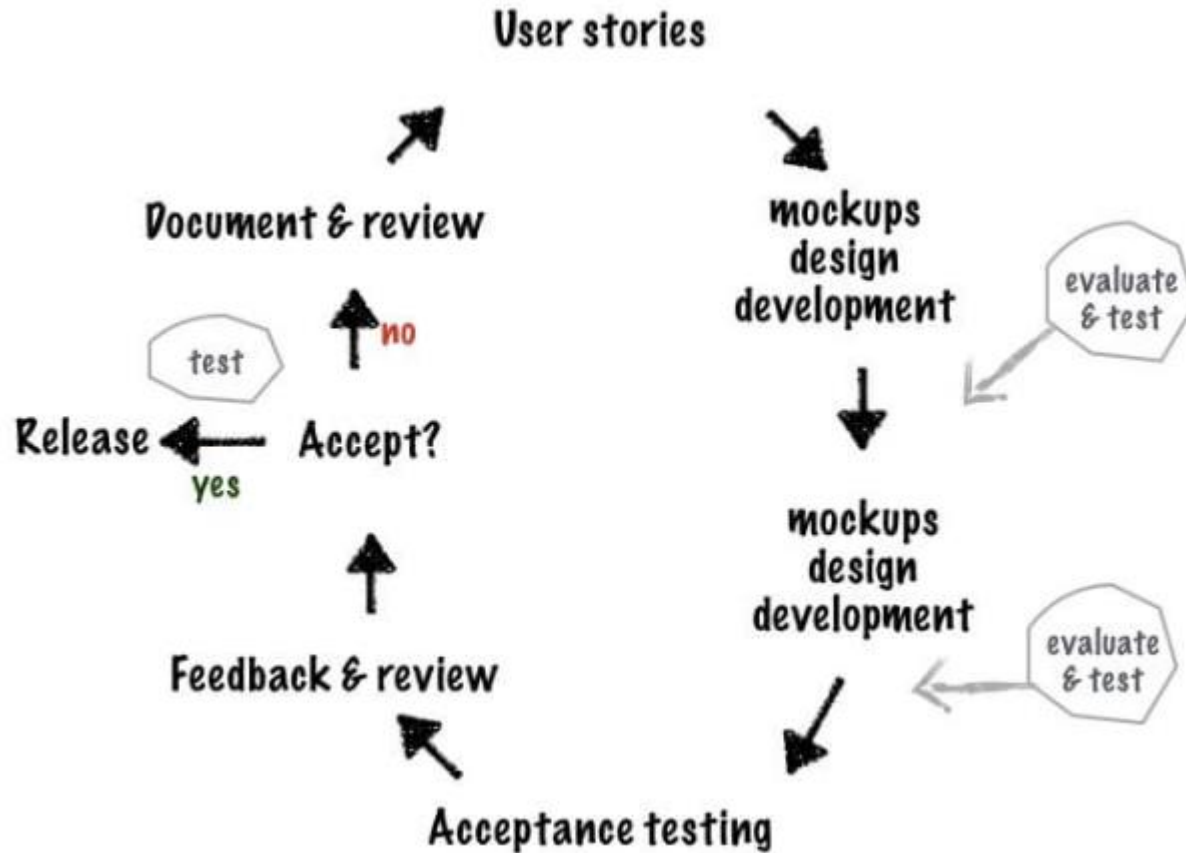
<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# User Acceptance Testing Team

Roles	Responsibilities	Deliverables
Business Programme Manager	<ul style="list-style-type: none"> <li>• Create and maintain Programme Delivery plan</li> <li>• Review and Approve UAT Test Strategy and Plan</li> <li>• Ensure the successful completion of the programme on schedule and budget</li> <li>• Liaise with IT programme Manager and monitor the progress of the programme</li> <li>• Work closely with business operations team and equip them for Day 1 operation</li> <li>• Sign-off Business Requirement Document</li> <li>• Review the e-learning course content</li> </ul>	<ul style="list-style-type: none"> <li>• Programme progress report</li> <li>• Weekly status report</li> </ul>
UAT Test Manager	<ul style="list-style-type: none"> <li>• Create UAT Strategy</li> <li>• Ensure effective collaboration between IT and Business BA and PMO</li> <li>• Participate in requirements walkthrough meetings</li> <li>• Review Effort Estimation, Test Plan</li> <li>• Ensure Requirement Traceability</li> <li>• Drive metrics collection to quantify the benefits derived out of the updated testing methodology, tools and environment usage</li> </ul>	<ul style="list-style-type: none"> <li>• Master Test Strategy</li> <li>• Review &amp; approve Test Scenarios</li> <li>• Review &amp; approve Test Cases</li> <li>• Review &amp; Approve Requirement Traceability Matrix</li> <li>• Weekly Status report</li> </ul>
UAT Test Lead & Team	<ul style="list-style-type: none"> <li>• Verify &amp; Validate Business Requirement against Business process</li> <li>• Estimation for UAT</li> <li>• Create &amp; Execute UAT test Plan</li> <li>• Participate in requirement JAD session</li> <li>• Prepare test scenarios, test cases and test data based on Business Process</li> <li>• Maintain Traceability</li> <li>• Execute test cases and prepare test logs</li> <li>• Report defects in test management tool and manage them throughout their lifecycle</li> <li>• Produce UAT End of test report</li> <li>• Provide Business Readiness Support and Live proving</li> </ul>	<ul style="list-style-type: none"> <li>• Test Log</li> <li>• Weekly Status Report</li> <li>• Defect Report</li> <li>• Test Execution Metrics</li> <li>• Test Summary Report</li> <li>• Archived Reusable Test artifacts</li> </ul>

<https://www.softwaretestinghelp.com/what-is-user-acceptance-testing-uat/>

# UAT Agile



<https://usersnap.com/blog/user-acceptance-testing-workflow/>

# Guidelines for UAT

1. Requirements will change
2. Staff to test
3. Have acceptance testers check for usability issues early-on
4. Make time to test
5. Establish law and order with a shared test management tool
6. Create new test cases as requirements change
7. Separate test environment
8. “Typical” is not always realistic – take time to create test data

<https://uxmag.com/articles/eight-guidelines-for-successful-acceptance-testing>