

# Test Strategy for WhatsApp

**Objective** The objective is to test the end-to-end functionality, usability and performance of the WhatsApp and ensure it meets the business and technical requirements.

## Scope

In scope:

- All customer workflows - search, browse, payments.
  - Account registration and management
  - Send Videos, photos, attachments, Location, message.
  - Integration with payment gateways
  - Admin module and workflows - Web and mobile site
- Out of scope:
- 3rd party integrations are not related to core functionality.

## Focus Areas

- Functional correctness of flows
- UI/navigation
- Performance
- load, stress and scalability
- Security - vulnerabilities, encryption
- Compatibility
- browsers, devices, OS
- Usability - ease of use, accessibility

## Approach

- Black box and white box testing techniques
- Automated test cases using Selenium and Appium
- Exploratory testing for key workflows
- Load testing with JMeter for at least 1000 concurrent users - Security testing for OWASP Top 10 vulnerabilities.
- Cross browser compatibility testing on IE, Chrome, Firefox - Ease of use evaluation with at least 10 end users.

## Deliverables

- Functional test cases and reports
- Performance test scripts and results
- Security vulnerabilities report
- User acceptance testing report
- Test coverage and defect reports
- Automation regression suite

## Team & Schedule Testing

Team of 7 members needed for 2 months testing effort Proposed schedule:

- January: Functional and security testing
- February: Load/performance testing
- March: Compatibility testing, UAT
- April: Regression testing

## Entry & Exit Criteria User stories.

- to be tested must meet the defined 'Ready for Testing' criteria.
- Testing is complete when all test cases execute with no critical defects outstanding.

## Risks

Delay in test environment availability

- Lack of access to third party payment systems
- Complex workflows may require more time and resources.