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| Project Name: | WhatsApp application |
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| Role | Quality Assurance Enginner |
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| Version | 0.1 |
| Identifier | TP-WA-2025-001 |

**Test Plan for WhatsApp**

1. **Objective**

The purpose of this test plan to test the core functionality of the WhatsApp Application ensuring that chat interaction, profile feature, and Privacy controls work securely and as expected. It ensure that the application meet its functional and security requirements before the released.

1. **Test Items**

* WhatsApp Chat (group, 1 to 1)
* Chat Lock
* Fingerprint lock for application
* Profile display picture
* Status upload (size, text, image, vedio)
* Privacy of status (my contact, everyone, only share with…)
* View of status from my contact list
* Channel (view, follow, unfollow)
* Privacy Setting (last seen, profile info, who can see the DP)
* Voice and Video calling
* Multi device linking
* Privacy checkup (who can contact you, control personal information, add more protection)

1. **Feature To be Tested**

* Network testing
* Payment Integration testing
* Media sharing testing
* Business account testing
* Community related testing
* Chat lock testing
* IP related testing (protected unknown account message, protected IP address calls, Disable link preview)

1. **Approach**

* Manual testing(Functional testing)
* UI UX testing
* Security testing
* Exploratory testing
* Use two test device to simulate user interaction

1. **Test Deliverables**

**5.1 Before testing**

* Test Plan Document
* Test Scenario
* Test cases
* Test environment Setup documnet
* Traciblity matrix

**5.2 During testing**

* Defect log
* Defect report daily basis
* Test Case execution report (evidence, count of test case execution)
* Daily status report
* By-weekly status report
* Automation testing report (regression, smoke)
* Environment health check report

**5.3 After testing**

* Testsummary report
* Test Closure summary
* Test Sign off document
* Lesson learn Document (Retrospective document)

1. **Environmental and Tools**

**Envirment:-**

* Android and IOS devices
* Stable version of whatsapp installed in the phone
* Proper speed network (wifi, data)
* Fingerprint enabled device

**Tools:**

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| **Category** | **Tool Name** | **Purpose** |
| Test management | Qtest/ Zephyr | To track test case execution and test case data |
| Defect and task tracking | JIRA | To report the defect as well as to create the task |
| Security testing | AppScan | For mobile app security testing |
| Test Reporting | Excel | For generating report |
| UI testing | Appium | To verify UI element of mobile application |

1. **Responsiblities**

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| --- | --- |
| Role | Responsibility |
| QA Engineer | Design- Develop test case and execute it against software.  Log a defect |
| QA Lead | Assign daily task and Moniter the progress on daily basis  Ensure coverage of features  Provide sign off after testing |
| Developer | Develop the feature  Fix the defect  Collabrate with QA |
| Product Owner | Prioritize feature and defect  Define featurerequirement and expected behaviour |
| Automation Team | Create and maintain the automation script for smoke and regression testing |

1. **Risk And mitigation**

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| **Risk** | **Mitigation** |
| Device Does not support Fingerprint | Use test device which support fingerprint |
| Test account is locked | Prepared backup account |
| Media is not sync correctly | Test under slow network |
| Miscommunication | Maintain a detail document |
| Channel is visible to block user | Include blocked/unsaved number scenario |
| Status is get visible after deleting | Verify cache clearance |