**WhatsApp Test Strategy for urgent Release**

**Test Overview:**

* The Test Strategy is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project Release for the WhatsApp mobile and web app version 2.21v, before it’s rolled out in production environment. Focusing on validations around impacted modules due to time constraint.
* The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing.

**Test Scope:**

* Android Device
* iOS Device
* Web Application

**Objective:**

* Ensure the Application Under Test conforms to functional and non-functional requirements
* Ensure the AUT meets the quality specifications defined by the client
* Bugs/issues are identified and fixed before go live

**Test Levels:**

* Execution of Automated Unit Testcases as part of CI deployment
* Execution of Integration test (API + UI) Automated Smoke Suite to validate core Functionality
* Execution of API Automated Sanity Suite to validate impacted Modules
* Manual User Acceptance Testing
* Executing the API Automation Regression suite (not mandatory due to time constraint)

**Test Deliverables:**

* Test Strategy
* Test Plan
* Bug Report
* Sign Off

**Test Approach:**

Functional-

* Automated testing of Unit, Smoke and Sanity Suite using (UI+API Test Automation)
* Automated Test covering modules such as Individual Chats, Group Chats, Profile Pictures, Settings, WhatsApp Web, WhatsApp status.
* Manual testing of UAT

Non-Functional-

* Automated testing using JMeter/LoadRunner

**Testing Tools:**

Frontend

* Web (Cypress)
* Android (Espresso)
* iOS (XCUITest)

Backend

* Rest Assured
* Axios

**Test Environment:**

* QA

**Test Cases to be Executed:**

* Check if the user can download the WhatsApp app from the Play Store or App Store or not.
* Check whether the successful installation is on mobile.
* Check if the user can register with a new phone number.
* Check if the user can get a verification code on his mobile or not.
* Check the maximum number of incorrect attempts of verification code.
* Check one phone number should be registered on only one WhatsApp.
* Check if successful registration on mobile.
* Check if contacts are imported to the WhatsApp contact list or not.
* Check if the user is able to upload a profile picture or not.
* Check if user is able to chat with other individual user and in group from the contact list
* Check if user is able to perform audio and video call to Individual user
* Check if user is able to perform audio and video call in a group chat
* Check whether the user is able to see the Scan code screen on the mobile phone or not
* Check whether the QR code is scanned from WhatsApp web or not.
* Check whether the user can get a message for another WhatsApp session with details or not.
* Check whether the user is able to log out from all WhatsApp web or not.
* Check if user is able to delete the WhatsApp account