Whatsapp – Test plan

Project name: WhatsApp

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# OVERVIEW

* This document contains the detailed information about the testing plan of [WhatsApp](http://www.whatsapp.com) which is conducted by Dhruv Talsaniya .
* WhatsApp is the social media platform for contacting peoples online with best features like chatting, voice call, video call, sharing media, documents and more.
* This plan covered the Scenarios/Requirement, roles/responsibility, environment, scope, schedule, etc…
* It is a online mobile application so only android/iOS operating system is supported.

# scope

* Scope of this plan is to include all the feature into the test plan and also cover all to testing.
* All the required features are described below…

# REquirement

1. Inclusion:
2. Registration page

* Multi language support
* Registration OTP verification
* Help button
* FAQ

1. Home page(chats)

* Header
* Payment scanner
* camera
* option button
* Search window
* Footer
* Chats button
* Update
* Communities
* calls
* Floating button
* WhatsApp AI
* new message button
* All chats (new to old order)

1. Home page slider(updates)

* Header
* Payment scanner
* Search button
* option button
* Search window
* Footer
* Chats button
* Update
* Communities
* calls
* Floating button
* Write update
* Camera with gallery access
* All updates (new to old order)
* My status

1. Home page slider (Communities)

* Header
* Payment scanner
* option button
* Search window
* Footer
* Chats button
* Update
* Communities
* calls
* All communities (new to old order & all group with same community)
* New community button

1. Home page slider (Calls)

* Header
* Payment scanner
* Camera with gallery access
* option button
* Footer
* Chats button
* Update
* Communities
* calls
* Floating button (new call)
* Favourite section
* All calls (new to old order)

1. Exclusion - features:

* Third party payment
* Camera
* Microphone
* Media access
* Contact access
* Upload and download media
* GPS location
* Another device connection
* Time and date
* Another redirection link
* From our understanding, we believe above features needs to be tested. May be some features are not included here, provide update about it.
* Detailed features and requirements are described into the test case document.
* Also, updated features and scenarios are also conducted under the test.

# test environment

Tested for the android operating system (Android application)

# testing strategy

* We are engaged with the WhatsApp application for the functional testing and we make to sure that all the listed and another all functions are tested well.
* Severity and priority rules are applied for whole testing strategy.
* All the function listed in scope part are properly checked by our testing team. Our method of testing is described below:

#step 1: Static testing

All document created by the management team and developer team are reviewed by the testing team. It will contain review and inspection on basic documents.

#step 2: Smoke testing

Basic build test of the product is required before functional testing.

Checking the stability of the product.

#step 3: Sanity testing

After smoke testing basic functionality test performed. It will cover up the basic functional test without going deeper. (links, DBMS, etc…)

#step 4: Unit testing

Every single module/part tested one by one.

#step 5: Integration testing

In this section we will compare two same modules from other pages and other sections and then tested again. (comparing modules)

#step 6: End user testing

Behave like an end user for checking the real-world problems.

#step 7: System testing

* Graphical interface testing (simple graphic testing)
* Usability testing (how easily user can access and use the product)
* Non-functional testing: performance, load, installation, verification, validation, etc.

#step 8: positive & negative testing:

Test for the positive and negative both input values and pop messages also.

Creating the list of the positive as well as negative data list. It will contain test design techniques which are listed in another separate module.

#step 9: Re-testing:

If any bugs or defect founded then give it to the development team and check it second time. (only updated part will be checked)

#step 10: Regression testing:

Check that the updated function not affect to the connected features.

* Unit regression: only updated feature
* Regional regression: test full module
* Full regression testing: test full product

#step 11: Globalization/ localization testing: (if required)

Check that the product is available on local and global both environments.

#step 12: End-to-end testing:

Test the full product for final testing. To experience the real-world product problem and problem faced by the user.

#step 13: Ad-hoc/ monkey testing:

Without following any rules and planning perform informal testing.

* Here are some steps are may be ordered in wrong order…

# Test design techniques

1. Equivalence data partition: input data divided into partition for easy testing.
2. Boundary value analysis: analyse the minimum and maximum value excepted by the input field.
3. Decision table: making the condition and action tables for better understanding.
4. State transition testing: during the changing of the state any problem occurred or not.

# defect reporting procedure

* In the case of defect or bug founded all the defect or bugs are listed into the proper excel sheet.
* Test scenarios and test cases written into the excel sheets.
* Usability, function, graphical or any type of defects are documents properly into excel document.
* At the end of the day the defect report will be updated.
* All the bugs and defect are documented with screenshots.

# Roles and responsibilities

It will change if the requirement and the team members are changed,

* Test Team manager:
* interact with team member, management and developer. Also, with customer (if required)
* creating test case and scenarios with the help of testers.
* Taking updates from team member.
* Tester/ team member:
* Creating test case and scenarios with the help of team manager.
* Testing the product.

# test schedule

* Plan creation date: dd/mm/yyyy
* Test scenarios creation date: dd/mm/yyyy
* Test case creation date: dd/mm/yyyy
* Case execution date: dd/mm/yyyy
* Test report submission: dd/mm/yyyy

# pricing

Testing pricing details

NA

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