**STAD SOLUTION**

| **Document Name** | Software Test Plan |
| --- | --- |
| **Telegram Application** |
| **Version No** | Android 8.9.3 |
| **Release Date** | 14th Aug 2013 |

**STP History**

| **Version**  **No** | **Release**  **Date** | **Current**  **Project Phase** | **Created**  **by/Modified by**  **and Date** | **Reviewed**  **by and**  **Date** | **Approved**  **by Date** | **Remarks**  **And**  **Changes**  **Made** |
| --- | --- | --- | --- | --- | --- | --- |
| Android 8.9.3 | 14/08/2013 | Launched | Bhavini  24/9/2022 | Shreya |  |  |

**Distribution List**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **Bhavini Patel** | **Software Tester** | **Stad Solution** |
| **2** | **Shreya** | **Software Tester** | **Stad Solution** |
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| **10** | **Krupen** | **Software Tester** | **Stad Solution** |

1. **Introduction: -**
   1. **Purpose: -**

With Telegram, you can send messages, photos, videos and files of any type (doc, zip, mp3, etc), as well as create groups for up to **200,000** people or channels for broadcasting to **unlimited** audiences. You can write to your phone contacts and find people by their usernames

* 1. **Scope: -**
* A simple platform for sharing photos and videos with contact.
* To chat with people.
* To send large number of file up to 2 Gb in one message
* Users can make a group with a maximum 200000 members and chat with each other in the group.
* This social media platform allows you to do phone calls and video calls free of cost all over the world.
* You can create a channel and broadcast any news to all the members included.

1. **Test Item: -**
   1. **Project Module: -**

* Sign up
* Home Page
* Call
* Chat
* Settings
* Account
* New Group
* People nearby
* Telegram Feature
* Channel
* Help
* Saved Messages
* Link Devices
* Contact
* Notification
* Secret Chat

1. **Feature To be Tested: -**

| **Module** | **Description** |
| --- | --- |
| **Sign Up/Login** | **User can sign up with correct country code and phone number** |
|  |  |
| **Home Page** | **User can see their all the telegram,contacts,groups,saved messages,channel created** |
|  | **User can block or unblock the contact** |
|  | **User can mute or unmute the contact** |
|  | **User can edit the contact** |
|  | **User can add contact to home screen** |
|  | **User can archive the contact** |
|  | **User can mark as read or unread** |
|  | **User can pin or unpin the contacts** |
|  | **User can clear the history** |
|  |  |
| **Call** | **User can do audio call** |
|  | **User can do video call** |
|  | **User can do group audio and video call** |
|  |  |
| **Chat** | **User can send or receive messages** |
|  | **User can delete chat** |
|  | **User can do voice call or video call** |
|  | **User can send or receive images,file,location,contacts,music,voice recording** |
|  | **User can add stickers,emojis as message** |
|  | **User can pin the chat** |
|  | **User can forward or reply to the message** |
|  | **User can add to favorites** |
|  | **User can copy the chat** |
|  |  |
| **Settings** | **User can do settings as per their choice** |
|  | **User can settings like notification and sound,Privacy and security,Data and Storage ,Chat Setting, stickers ,Emojis,chat folders,Devices,language,group** |
|  | **User can change the color,theme,mode** |
|  |  |
| **Account** | **User can change phone number,set username,Bio,profile photo** |
|  | **User can edit name,photo** |
|  | **User can logout from account** |
|  | **User can add account** |
|  |  |
| **New Group** | **User can create new group** |
|  | **User can add contact into group** |
|  | **User can delete or leave the group** |
|  | **User can set photo or video as a group profile** |
|  | **User can edit group profile picture,group type,permission,invite links,chat history** |
|  |  |
| **People nearby** | **User can Search people nearby and groups nearby and add to contact** |
|  | **User can chat,call,video call with nearby people or group nearby** |
|  | **User can create a Local Group** |
|  | **User can get notification from nearby contact** |
|  | **User can add to home screen and save to gallery** |
|  | **User can block the people** |
|  |  |
| **Telegram Feature** | **User can see various features of telegram** |
|  | **User can copy it,copy the link,save to gallery,save to download,share,forward tips** |
|  | **User can join the channel** |
|  | **User can mute or unmute it** |
|  | **User can search and report it** |
|  |  |
| **Channel** | **User can create the channel** |
|  | **User can set the channel type** |
|  | **User can share or copy the channel link** |
|  | **User can broadcast into the channel** |
|  |  |
| **Telegram Premium** | **User can read the features of telegram premium** |
|  | **User can Subscribe the telegram premium** |
|  |  |
| **Saved Messages** | **User can add messages,images,files,location,contact into cloud storage** |
|  | **User can delete,edit,copy and forward chat from it** |
|  | **User can change the color** |
|  | **User can search the messages** |
|  |  |
| **Contact** | **User can invite friends,find people nearby** |
|  | **User can add contact and search the contact** |
|  |  |
| **Link Devices** | **User can link to other devices to their account** |
|  |  |
| **Notification** | **User can get notification when he/she get any call or messages** |
|  |  |
| **Secret chat** | **User can invite the contact to join the secret chat** |

1. **Feature not to be Tested: -**

| **Module** | **Description** |
| --- | --- |
| **Help** | **User can ask a questions to a volunteer**  **User can read the telegram FAQ**  **User can read the telegram privacy policy** |

1. **-**
   1. **Methodology: -**

* Waterfall Model

1. **Approach:**

Whole Requirements are divided into small modules, errors or bugs found later. Client Requirements not given.

* 1. **Types of Testing: -**
* Web testing
* Mobile testing
* Compatibility testing
* Performance Testing
* Usability Testing
* Interrupt Testing
* Installation Testing
* Unit testing
* Integration testing
* Ad-hoc testing
  1. **Testing Tools: - None**
  2. **Entry/Exit Criteria: -**
* **Entry Criteria: -**
* All the Requirements are clear and understood.
* Documents are created and according to the requirements.
* Test cases are developmentally ready.
* Sign up, Login or profile module is created.
* Test Plan and Test cases are reviewed and signed off.
* Testable Code with Appropriate Test Environment.
* Access to sufficient and desired test data.
* **Exit Criteria: -**
* All the Test Cases are executed.
* All the requirements, functional coverage are achieved.
* Identify and fix high priority defects.
* The entire main module is tested like sign up, Sign in, my post, Stories, Account, chat and Settings then the project will be delivered.
* All the modules will test once.
* Payment method is tested correctly and no bugs will remain to fix.
* No major defects or bugs found in all main modules.
* The failure of a certain level of time and budget.

1. **Pass/Fail Criteria: -**

* **Pass Criteria: -**
* Actual requirements match with the expected requirements than the test cases will pass.
* Passing a criterion is dependent on the project scope, but achieving a high pass rate is the goal.
* End User can understand the application and use it easily.
* All Test Cases are completed.
* Completion of documentation
* **Fail Criteria: -**
* Actual Requirements don't match with expected requirements.
* Time and budget are high.
* Application will not accept user acceptance.
* After launch the application major fault will generate by end user
* If system crash
* If a deadline is missed so that the client will not accept the product even if testing is completed.
* Consume more time.

1. **Suspension criteria: -**

* Requirements changed by the customer.
* The developer or tester may leave.
* Bugs or defects from the main modules that contain more time to fix.
* If the payment method does not work properly.
* Unavailability of external dependent systems.
* If there are any Software, Hardware or Network problems.
* If interdependent modules are not working properly.
* When any defect is introduced that can’t allow for further testing.
* If test resources are not available.
* If large volumes of bugs are found.
* When automation tools are crashed.
* When automation tools are not available in the company or configuration problem is created.

1. **test Deliverables: -**

* Test Plan
* A Test Scenario
* Test Cases
* Bug Report
* Traceability Matrix
* Test report

1. **Testing Task: -**

| **Testing Phase** | **18 Days** | | | **Duration**  **(Days)** |
| --- | --- | --- | --- | --- |
|  |  |  |
| Test plans & Controlling |  |  |  |  |
| Design and Analysis |  |  |  |  |
| Test Execution |  |  |  | 1-8 |
| Report |  |  |  | 9-18 |

| **Task Name** | **Module** | **Effort (Day Required)** | **Start Date** | **End Date** | **Assign To** |
| --- | --- | --- | --- | --- | --- |
| Test Plan |  | 3 | 8/09/2022 | 10/09/2022 | Bhavini |
| Test Scenario |  | 2 | 10/09/2022 | 11/09/2022 | Bhavini |
| Review | Chat | 3 | 12/09/2022 | 14/09/2022 | Bhavini |
| Group | 12/09/2022 | 14/09/2022 | Parth |
| calls & contact list | 12/09/2022 | 14/09/2022 | Shreya |
| Signup,Telegram Features,  Help Section | 12/09/2022 | 14/09/2022 | Dhananjay |
| Home page | 12/09/2022 | 14/09/2022 | Jyoti |
| Profile and Add account | 12/09/2022 | 14/09/2022 | Devang J |
| Archive chat | 12/09/2022 | 14/09/2022 | Ruchit Vyas |
| Setting | 12/09/2022 | 14/09/2022 | Krupen |
| Secret Chat | 12/09/2022 | 14/09/2022 | Sahil Solanki |
| Channel | 12/09/2022 | 14/09/2022 | Himanshu |
| Invite Friends, People Nearby,  Saved messages | 12/09/2022 | 14/09/2022 | Devang K |
| Test Cases |  | 3 | 15/09/2022 | 17/09/2022 | Bhavini |
| Review |  | 1 | 18/09/2022 | 18/09/2022 | Shreya |
| Test case Execution |  | 1 | 18/09/2022 | 18/09/2022 | Bhavini |
| Bug Report |  | 3 | 19/09/2022 | 22/09/2022 | Bhavini |
| Review |  | 1 | 23/09/2022 | 23/09/2022 | Shreya |
| Test Report |  | 2 | 24/09/2022 | 25/09/2022 | Bhavini |

1. **: -Environment**

* **Software: -**
* Android version 12
* Browsers - Chrome
* **Hardware: -**
* Laptop
* Mobile

1. **Hardware and Training: -**
2. **Scheduling: -**

* Students and Project deadline.
* Project Estimation.
* Create Test scenarios and Test cases.
* **Order of Testing: -**

1. **Risk: -**

* **Project Risk: -**
* It occurs during the project launch.
* Delay in the test build by the test team.
* Defects that take much time to fix.
* The developer or project manager left the job.
* Requirements continuously change by customer.
* Server crash issue.
* Unavailability of the test environment.
* Delay in fixing defects by the development team.
* No advanced technology available or the existing technology is in the initial stages.
* **Product Risk: -**
* It occurs after the project launch.
* The product does not match the customer’s requirement.
* The Customer/User is not satisfied with the product.
* The budget crosses the limit of the set budget amount.
* The product is not run properly.
* Time limit, that makes developers work in a rush and commit more mistakes.
* The payment method or post module will not be working properly after launching the product.

**Test Plan Approval**

Test Plan is a document describing the software testing scope and activities. It is the basis for testing any software/product in the project. If the project has any changes it will be done by the assigned tester.

**Sign \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**