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**MOBILE APP TESTING**



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Version Number:

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# ACTIVITY 1

## **FACEBOOK**

### Introduction

Application: Facebook

Current Version: 309.0. 0.47

Facebook is a website which allows users , who sign up for free profiles , to connect friends , colleagues or people they don’t know , online. It allows the user to share pictures, music, videos and articles, as well as their own thoughts and opinions with however many people they like. Shared content can be made publicly accessible, or it can be shared only among a select group of friends or family, or with a single person. New users can create profiles, upload photos, join a pre-existing group, and start new groups.

The site has many components, including Timeline, a space on each user’s profile page where users can post their content and friends can post messages; Status, which enables users to alert friends to their current location or situation; and News Feed, which informs users of changes to their friends’ profiles and status. Users can chat with each other and send each other private messages. Users can signal their approval of content on Facebook with the Like button, a feature that also appears on many other Web sites.

### Software Requirement Specification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Req-ID** | **REQUIREMENTS** | **DESCRIPTION** | **INPUTS** | **PROCESS** | **OUTPUT** |
| RI\_1 | Create new account | A new user can create an account by giving the proper credentials. | User first name  User last name  Email ID  Phone no.  Date of Birth  Password | Retrieves the provided info and creates a new account | New account created |
| RI\_2 | Upload display picture | User can add a display picture | Click on “photo”, select image to upload and click tap done. | User Clicks on “photo”, the “select “to select the image and then done to upload the image | Display picture uploaded |
| RI\_3 | Upload cover picture | User can add a cover picture | Click on “photo”, select image to upload and click tap done. | User Clicks on “photo”, the “select “to select the image and then done to upload the image | Cover picture Uploaded |
| RI\_4 | Search / Find Friends | The user can search and find other users. | User clicks on search bar and Enters the name of person. | User clicks on search bar  User Enters the name of person.  List of users of the given name displayed | Name of the person displayed |
| RI\_5 | Send request | The user can send friend request to other users. | Tap on add friend | When user selects / clicks on “add friend”, a friend request sent displayed. | Request sent |
| RI\_6 | Accept request | The user can accept friend request from other users | Friend request from another user. | When user clicks on accept button, the friend is added to his/her friend list. | Request accepted |
| RI\_7 | Share Post | The user can share photos, videos or any information. | Click on the share post | User clicks on share, which is then transferred to write post and then the user clicks on share now button to share the post. | Post published. |
| RI\_8 | Send Message | The user can send instant personal messages to other users in his friend list and should be notified about successful delivery | Message typed by the user. | Click on message icon  Search and select the receiver  Type the message and click on send | Ticks marks to denote that message has been sent. |
| RI\_9 | Send Files/ Attachments | User can send audio, video or images as attachments to other users | Required file attached. | Send the attached file to the intended receiver | Attachments sent with a tick to indicate delivered |
| RI\_10 | Comments | Allows user to interact with other users. | Click on comments bar  Enter the comment  Click on post to post the publish the comment | Publish the comment on user’s attachment. | Comments published. |
| RI\_11 | Upload pictures or videos | Users can upload videos or images in his/her account | Click on “photo”  Select photos/videos to be uploaded  Click on “upload” | User clicks on “add video / add image” button, chooses file, adds description if any and click on upload | Display uploaded images or videos successfully |
| RI\_12 | Edit Profile | Allows user to add nicknames, about you etc. and modify their profile | Upload name, about you, nicknames etc. | Check the information provided and process the request to edit. | Display information as given by user |
| RI\_13 | Update profile | Allows user to update names, about you, display picture etc and update their profile | Request the user to update name, about you, nicknames, display picture, cover picture etc. | Check the information provided and process the request to update | Display the updated information |
| RI\_14 | Change Password | Allows user to update the password for more security | Old password  New password | User selects Settings & Privacy, then tap Settings, followed by Security and Login, then scroll down and tap Change password. User updates the password and re-type new password, then tap Save Changes | Update password |
| RI\_15 | Create groups | Allows user to create groups by adding people from friend list | Click on” Group.”  Enter group name, choose the privacy option and then add people to group. | When user clicks on “groups”, transfer to “see all” and add name, description, people. Select the privacy setting and then select “save” | New group created |
| RI\_16 | Share Stories | Allows user to share a post, images, videos or content through “Stories | Click on create a story, add video or photo and click share. | When user clicks on “create a story”, transfer to “create a photo story” Select the privacy setting select “Share to story”. | Stories shared |
| RI\_17 | Follow pages | Allows the user to follow a page for updates from that page | Name of the page | User enter the page name on search bar and clicks follow button. | The Page “follow “button changes to “Following |
| RI\_18 | Privacy Settings | Allows the user to set the privacy accordingly. | Request User to opt for different privacy setting options like who can view the profile, friend list etc. | Check the information provided, process the request and apply to update the settings. | Applied changes are reflected on user’s account. |
| RI\_19 | Creating events | Events let users to organize and respond to gatherings in the real world with people on Facebook. | Click “create event” tab, choose event name, add date, time and location, choose which friends to send the invitation to . | Check the information provided and process the request | Event created |
| RI\_20 | Notifications | Users are updated about the Facebook activities | Tap on globe icon and click on see all. | Display the list of notifications when user clicks the globe icon | List of notifications displayed. |

### TEST CASES

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TEST ID** | **Req\_ID** | **TEST CASE** | **INPUT** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **RESULT** |
| **TID\_1** | RI\_1 | Verify if the user can create a new account | Valid user credentials | New user account created |  |  |
| **TID\_2** | RI\_2 | Verify that user can set profile pic uploaded from his or her computer. | Image with proper size and dimension selected from computer | Display image uploaded |  |  |
| **TID\_3** | RI\_2 | Verify that user can set profile pic uploaded from mobile. | Image with proper size and dimension selected from mobile | Display image uploaded. |  |  |
| **TID\_4** | RI\_3 | Verify that user can set cover pic uploaded from his or her computer. | Image with proper size and dimension selected from computer | Cover image uploaded. |  |  |
| **TID\_5** | RI\_3 | Verify that user can set cover pic uploaded from mobile. | Image with proper size and dimension selected from mobile. | Cover image uploaded. |  |  |
| **TID\_6** | RI\_4 | Verify that the user can search for friends in facebook’s ‘Find friends’ search functionality. | User provides Friends name in search bar | List of users with the given name displayed. |  |  |
| **TID\_7** | RI\_5 | Verify that users can send a friend requests to any user by visiting their page. | User clicks goes to other users page to send request | Friend request sent |  |  |
| **TID\_8** | RI\_6 | Verify that the user can approve or decline received friend request. | User clicks on accept request. | Friend request accepted. |  |  |
| **TID\_9** | RI\_7 | Verify that users can post text in their timeline and the same gets displayed to their friends. | user provides text content and click son share now. | Post gets displayed on others timeline |  |  |
| **TID\_10** | RI\_7 | Verify that users can post images in their timeline and the same gets displayed to their friends. | User uploads image and clicks on share now. | Image displayed on others timeline |  |  |
| **TID\_11** | RI\_11 | Verify that uploading image of larger dimension than permitted should lead to error message | User uploads image of larger dimension | error message |  |  |
| **TID\_12** | RI\_11 | Verify that uploading image of unsupported type should lead to error message | User uploads image of unsupported type | error message |  |  |
| **TID\_13** | RI\_11 | Verify that uploading video of size exceeding maximum allowed size should lead to error message | User uploads videos of larger size | error message |  |  |
| **TID\_14** | RI\_11 | Verify that uploading video of larger dimension than permitted should lead to error message | User uploads video of larger dimension | error message |  |  |
| **TID\_15** | RI\_11 | Verify that uploading image of size exceeding maximum allowed size should lead to error message | User uploads images of larger size | error message |  |  |
| **TID\_16** | RI\_12 | Verify that user can add/edit their account information displayed to other users | User edits the user information | User data updated |  |  |
| **TID\_17** | RI\_20 | Verify that users receive different notifications on Facebook ‘Notifications’ icon. | Any new Facebook activity | User receives notification |  |  |
| **TID\_18** | RI\_20 | Verify that users receive a notification when they get comments, like or reactions on their posts.  . | Other user likes or shares the users post | User receives notification |  |  |
| **TID\_19** | RI\_20 | Verify that users receive a notification when their friend request gets approved. | User friend request accepted | User receives notification |  |  |
| **TID\_20** | RI\_20 | Verify that users receive notification when someone sends him or her a friend request | User receives a friend request | User receives notification |  |  |

## **WHATSAPP**

### Introduction

Application: WhatsApp

OS: Android, IOS

CURRENT VERSION: 2.19. 134

WhatsApp is an instant messaging app for smartphone users.it makes messaging easy for users to send and forward text messages to individual contacts and in group chats instantly and easily. In addition to messaging, users can send images, videos, audio, user locations and any other documents. It supports audio and video calling. WhatsApp has more than 2 billion active users and is especially popular among friends and relatives who live in different countries and want to keep in touch. The global popularity of WhatsApp is largely due to its accessibility, cross-platform functions, and simple and clear functions.

### Software Requirement Specification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| REQ\_ID | Requirement | Description | Input |  |
| **RI\_1** | Creating an account | To use WhatsApp user must create an account with a valid mobile number. | 10-digit valid Mobile Number. |  |
| **RI\_2** | Verifying Mobile No | To Verify mobile number, WhatsApp must send an OTP to that number and user must enter that in WhatsApp. | 6-digit activation code that is sent to entered mobile number. |  |
| **RI\_3** | Resending OTP and verifying mobile number again. | When validating OTP fails (doesn’t match), user should click on the resend OTP. | 6-digit activation code that is resent to entered mobile number. |  |
| **RI\_4** | Setting name and profile photo. | User should give name to account and upload an image to set profile photo. | Enter a name in text field within the limit of 25 characters. |  |
| **RI\_5** | Display the contact list which are there on WhatsApp. | When user click on New Chat icon, this will bring up a page where all the contacts which are there on WhatsApp are listed. | Click on the new chat icon. |  |
| **RI\_6** | Sending a message with emojis. | User should enter the message in message field and click on send button. | Type the message and select the required emoji(optional) and click on send button |  |
| **RI\_7** | Sending images and videos | User should click on the camera icon and select the image/video. Then click on send button. | Image/video file within 16MB size. |  |
| **RI\_8** | Sending document file | User can send documents to other people with formats like .docx,.pdf,.txt ,etc. | Document file within 100MB size. |  |
| **RI\_9** | Notifications | A notification is displayed when there are any new messages/attachments are received. | When new message/attachments have sent to user by another user. |  |
| **RI\_10** | Update status | To update status of the user in status section like text, image, video etc. | Go to status section and click on create status. |  |
| **RI\_11** | update profile | User can update profile photo, name, about(description) and mobile number | Asks to update user’s  Profile photo, name, mobile number etc. |  |
| **RI\_12** | Update status privacy | Visibility of the user status to the other contacts of user. | Select the no of users to whom the user status should be visible. |  |
| **RI\_13** | Checking messages are delivered. | if message is delivered then double tick occurs next to message. | User should send a message. |  |
| **RI\_14** | Message reads by another user. | If the message is delivered to the recipient then blue tick comes next to message. | User should send a message and it should be read by another user. |  |
| **RI\_15** | Block the contacts | User can block the contacts in which no communication will be done to users which are there in the blocked list. | User should select the contacts to be blocked. |  |
| **RI\_16** | Display the list of recent calls | In the calls section, there is a list of recent audio/video calls received or dialed by the user. | User should make a audio/video call. |  |
| **RI\_17** | Backup of chats | User can back up the chat history and all multimedia messages to the google drive. | User should select the chats/multimedia to be backed up and the google account. |  |
| **RI\_18** | Delay the message when internet is not available | When user try to send a message, when there is no internet. The message should be sent when is available. | User should send a message when internet is not available. |  |
| **RI\_19** | Update about privacy policy and terms and conditions. | When there is a company policy update, the user should accept the changes. | WhatsApp should trigger privacy policy update. |  |
| **RI\_20** | Display about the update version | When there is an important version update (security fixes), WhatsApp notifies the user to update the app. | WhatsApp should trigger app version update. |  |

### TEST CASES

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TEST ID** | **RI\_ID** | **TEST CASE** | **INPUT** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **RESULT** |
| **TID\_1** | RI\_1 | Entering an 8-digit mobile no during account creation |  | Invalid mobile No |  |  |
| **TID\_2** | RI \_2 | Entering the different OTP for mobile No verification |  | Invalid OTP |  |  |
| **TID\_3** | RI \_3 | Clicking on resend button to resend OTP |  | OTP has resent. |  |  |
| **TID\_4** | RI \_4 | Uploading photo of large size |  | Image cannot be uploaded. |  |  |
| **TID\_5** | RI \_5 | Clicking on contact section without allowing to access contacts. |  | Pop up should display to request permission to access contacts. |  |  |
| **TID\_6** | RI \_6 | Sending the messages without entering anything in message field. |  | Message should not send. |  |  |
| **TID\_7** | RI \_7 | Sending images greater than 16MB. |  | Cannot send the image. |  |  |
| **TID\_8** | RI \_8 | Sending the document file with size greater than 100MB |  | Select a file that is less than 100MB. |  |  |
| **TID\_9** | RI \_9 | Checking for notifications when there is low speed internet. |  | WhatsApp is checking for notifications. |  |  |
| **TID\_10** | RI \_10 | Trying to upload 1min video in status section. |  | Trim video to 30secs. |  |  |
| **TID\_11** | RI \_11 | Entering a 11-digit mobile number while updating the app. |  | Invalid mobile number. |  |  |
| **TID\_12** | RI \_12 | Set the status visibility to only one contact. |  | Only one contact able to see the status. |  |  |
| **TID\_13** | RI \_13 | Send messages when another user in not online. |  | Single tick should be displayed next to the message. |  |  |
| **TID\_14** | RI \_14 | When message is read by another user. |  | Double blue tick should be displayed next to the message. |  |  |
| **TID\_15** | RI \_15 | User1 sending the message to blocked contact user2. |  | User2 won’t receive the message. |  |  |
| **TID\_16** | RI \_16 | User make an audio call but another user didn’t receive it |  | The call should appear as a missed call in calls section. |  |  |
| **TID\_17** | RI \_17 | User tries to backup chats when cloud storage is full |  | Error: no space in cloud. |  |  |
| **TID\_18** | RI \_18 | User Trying to send message when there is no internet. |  | Message should be sent when internet becomes available. |  |  |
| **TID\_19** | RI \_19 | When user does not accept the terms and conditions. |  | Pop message should be displayed, where user cannot procced without accepting it. |  |  |
| **TID\_20** | RI \_20 | When user does not update to the latest version. |  | Pop message:  Please update WhatsApp to use the latest features. |  |  |