**INTRODUCTION:**

A software requirements specification (SRS) is a comprehensive description of the intended purpose and environment for the proposed work under development. The SRS fully describes what the proposed work will do and how it will be expected to perform. A software requirements specification (SRS) is an illustration of the intentional motivation and environment for software under development. How software will work and what software is going to perform is described by SRS. The intention of SRS is to minimize the time required to achieve goals by the developers and reduce the cost of development.

**ABOUT THE APPLICATION:**

Facebook is a social networking website where users can post comments, share photographs, and post links to news or other interesting content on the web, chat live, and watch short-form video. 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.

Here are a few features of Facebook:

* Facebook allows you to maintain a friends list and choose privacy settings to tailor who can see content on your profile.
* Facebook allows you to upload photos and maintain photo albums that can be shared with your friends.
* Facebook supports interactive online chat and the ability to comment on your friend's profile pages to keep in touch, share information or to say "hi."
* Facebook supports group pages, fan pages, and business pages that let businesses use Facebook as a vehicle for social media marketing.
* Chat with Facebook friends and family members, or auto-display Facebook pictures with the Facebook Portal device.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Req-ID** | **REQUIREMENTS** | **DESCRIPTION** | **INPUTS** | **PROCESS** | **OUTPUT** |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 / shared by the user |
| 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 | 2 ticks marks to denote that message has been sent. |
| 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 denote it. |
| 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. |
| 11 | Upload pictures or videos | Users can upload videos or images in his/her account | Click “add video / add image” button, choose file, add description if any and post | Click on “photo/video”  Select photos/videos to be uploaded  Click on “upload” | Display uploaded images or videos successfully |
| 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 |
| 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 |
| 14 | Change Password | Allows user to update the password for more security | Old password  New password  Re-enter 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 |
| 15 | Create groups | Allows user to create groups by adding people from friend list | Click in the top right of Facebook and select Group.  Enter group name, choose the privacy option and then add people to group.  Click Create. | 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 |
| 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 and then select “Share to story”. | Stories shared |
| 17 | Follow pages | Allows the user to follow a page for updates from that page | Search for the page name and click the follow button. | Click in the top left of any page on Facebook.  Enter the name of the Page and choose from the results.  Go to the Page  Click Follow | The Page “follow “button changes to “Following”. |
| 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. |
| 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 he invitation to. | Check the information provided and process the request. | Event created |
| 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 PLAN/ CASES:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TEST ID** | **TEST CASE** | **INPUT** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **PASS/FAIL** |
| 1 | Verify that user can create new profile using valid credentials. |  | New account should be created | New account created | Pass |
| 2 | Verify that user can set profile pic uploaded from his or her computer. |  | Selected image should be displayed as display /profile picture |  |  |
| 3 | Verify that user can set profile pic uploaded from mobile. |  |  |  |  |
| 4 | Verify that user can set profile pic from photos present on his Facebook account’s photo section. |  |  |  |  |
| 5 | Verify that user can set cover pic uploaded from his or her computer. |  |  |  |  |
| 6 | Verify that user can set cover pic uploaded from mobile. |  |  |  |  |
| 7 | Verify that user can set cover pic from photos present on his Facebook account’s photo section. |  |  |  |  |
| 8 | Verify uploading image of unsupported type |  |  |  |  |
| 9 | Verify uploading image of size exceeding maximum allowed size |  |  |  |  |
| 10 | Verify uploading image of size less than the allowed minimum size. |  |  |  |  |
| 11 | Verify that the user can search for friends in Facebook’s ‘Find friends’ search functionality |  |  |  |  |
| 12 | Verify that users can send a friend requests to any user by visiting their page. |  |  |  |  |
| 13 | Verify that the user can approve, or decline received friend request. |  |  |  |  |
|  | Verify that users receive a notification when their friend request gets approved. |  |  |  |  |
|  | Verify that users receive a notification when they get a friend request. |  |  |  |  |
|  | Verify that users can post text in their timeline and the same gets displayed to their friends. |  |  |  |  |
|  | Verify that user can add/edit their account information displayed to other users. |  |  |  |  |
|  | Verify that users can post text in their timeline and the same gets displayed to their friends. |  |  |  |  |
|  | Verify that users can post images in their timeline and the same gets displayed to their friends. |  |  |  |  |
|  | Verify that users receive a notification when they get tagged by someone on posts or comments. |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |