Design of tests

**Admin Test Cases:**

| Admin blocking tags |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** Admin has found a tag that he does not believe should be visible to people |
| **Integration Testing** |
| **Steps:**   * Admin selects unwanted tag * Admin presses the block tag button   **Expected:** Tag gets removed from the list of tags  **Fails if:**  • Admin presses the block tag button and tag does not get removed from the list of tags |

| Admin editing tags |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** Admin has found a tag that he believes should be edited |
| **Integration Testing** |
| **Steps:**   * Admin selects wanted tag * Admin presses the edit tag button * Admin types id the new tag name * Admin presses save tag button   **Expected:** Tag gets edited in the list of tags  **Fails if:**  • Admin presses the edit tag button and types in then saves the new data and tag does not get updated in the list of tags |

| Add a tag |
| --- |
| **Tests:** Data manager, Graphical user interface |
| **Assumptions :** Assuming that Tag is not available and needs to be added. |
| **Integration Testing** |
| **Steps:**   * Press on add tag button. * Fill information for the tag.   **Expected:**  Tag is added to the tag table in the database and all users now can see the tag.  **Fails if:**  • Tag is not in the database or a user can’t see the added tag. |

| **Admin views potential experts CV** |
| --- |
| **Test covers:** Graphical User Interface |
| **Assumptions :** Admin has received a request from a user to become an expert |
| **Integration Testing** |
| **Steps:**   * Admin goes to requests * Admin chooses the request * Admin clicks on view CV   **Expected:** User’s CV opens  **Fails if:**  Admin clicks on the view CV button and the user’s CV does not open |

| **Remove Tag** |
| --- |
| **Tests:** Data manager, Graphical user interface |
| **Assumptions :** Assuming that Tag already exists in the tag table. |
| **Integration Testing** |
| **Steps:**   * Select the tag to be removed. * Press remove.   **Expected:**  A pop-up message is displayed confirming deletion and the tag is removed from the database and users can’t see the tag anymore in their tags’ options.  **Fails if:**  • No pop-up message displayed and the tag is not removed or users still have the tag in the list. |

| Upgrading a user |
| --- |
| **Tests:** Data manager, Graphical user interface |
| **Assumptions :** Assuming that an admin is logged in and a user has put in a upgrade request |
| **Integration Testing** |
| **Steps:**   * Accepting the user request * Data manager gets updated that this user is an expert * The user interface will change to the expert view   **Expected:**  Accepting should change the user from a regular user to an expert and they can access all expert privileges  **Fails if:**   * After accepting the user interface does not change to the expert view * Upgraded user has no access to expert privileges meaning that his user type hasn't changed |

| Downgrading a user |
| --- |
| **Tests:** Data manager, Graphical user interface |
| **Assumptions :** Assuming that an admin is logged in and a user poor performance |
| **Integration Testing** |
| **Steps:**   * Pressing the downgrade button * User info is retrieved from the data storage * Info is changed to satisfy a regular user description   **Expected:**  Downgrading a user should restrict his access to user privileges only  **Fails if:**   * Downgraded user still has access to expert privileges * User interface doesn't change |

| Monitoring activity |
| --- |
| **Tests:** Graphical user interface,Data manager |
| **Assumptions :** Assuming that an admin is logged in and chooses to monitor a user |
| **Integration Testing** |
| **Steps:**   * Pressing the monitor button * User’s session info is retrieved from the data storage   **Expected:**  History of user sessions should be displayed  **Fails if:**   * No history is displayed * History is displayed but incomplete |

| Admin bans user |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** Admin has found a account that has a very low rating or has been performing miscellaneous activity |
| **Integration Testing** |
| **Steps:**   * Admin goes to user’s profile page * Admin clicks on ban user button   **Expected:** Admin gets a pop up message that the user has been banned  **Fails if:**   * Admin clicks on the ban user button and gets no pop up message |

**User’s Test Cases:**

| Sign Up |
| --- |
| **Tests:** Graphical user interface, Data manager |
| **Assumptions :** User has filled registration form and is on correct screen. |
| **Integration Testing** |
| **Steps:**   * Press the register now button to sign up * Data manager receivers signup information   **Expected:**  You get redirected to the profile page as a logged in user  **Fails if:**   * User gets a pop-up message saying that there was a problem while trying to register. * User doesn't get redirected to the profile page. |

| Login |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** User has entered his login data and is on the correct screen. |
| **Integration Testing** |
| **Steps:**   * User presses the login button   **Expected:**  User gets redirected to the profile page and his username appears on the upper right side of the screen and the logout option should be available  **Fails if:**   * User is notified that there was a problem while logging in * User doesn't get redirected to the profile page |

| Logout |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** The application is showing the correct screen (a user is logged in) |
| **Integration Testing** |
| **Steps:**   * User presses the logout button   **Expected:**  User gets redirected to the login page where he can either signup or login  **Fails if:**   * User is notified that there was a problem while logging out * User doesn't get redirected to the login page |

| Editing info |
| --- |
| **Tests:** Graphical user interface, Data manager |
| **Assumptions :** User is logged in and at his profile page where he/she is editing his/her information |
| **Integration Testing** |
| **Steps:**   * User presses the update button * Data manager receives modified information   **Expected:**  The same profile page refreshes showing the changes the user entered  **Fails if:**   * User is notified that there was a problem while updating/editing his profile * No change is made to his/her information |

| Upgrade request |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** User uploaded his portfolio/CV |
| **Integration Testing** |
| **Steps:**   * User presses the upgrade button   **Expected:**  A pop up message appears that the request has been sent successfully  **Fails if:**   * User is notified that there was a problem while submitting a request |

| Create tags |
| --- |
| **Tests:** Graphical user interface, Data manager |
| **Assumptions :** User is logged in and at correct screen |
| **Integration Testing** |
| **Steps:**   * User presses the button to create a new tag * Newly created tags are sent to the data manager   **Expected:**  Tag gets created and a pop message appears  **Fails if:**   * Tag doesn't get created |

| Search |
| --- |
| **Tests:** Graphical user interface, User interface, Data manager |
| **Assumptions :** Expert’s name / tags that is searched for exists |
| **Integration Testing** |
| **Steps:**   * User types an input in search bar * Input is passed to data manager * Data manager retrieves experts with the name typed in the search bar/ experts associated with tags typed * Retrieved data is displayed on the graphical user interface   **Expected:**  A list of experts is displayed  **Fails if:**   * No list appears * Search results aren't related to what was searched for |

| View profile |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** User is at a screen where there is a list of experts |
| **Integration Testing** |
| **Steps:**   * User presses view profile when they choose an expert   **Expected:**  User is redirected to the expert’s profile where all information is displayed  **Fails if:**   * No information gets displayed * Wrong information displayed |

| Choose experts |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** User is logged in and viewing a list of experts |
| **Integration Testing** |
| **Steps:**   * User chooses an expert   **Expected:**  Pop up message appears notifying the users that they chose an expert and a request has been sent  **Fails if:**   * Choosing an expert doesn't send a session request * Choosing more than 3 experts |

| Requesting a session with expert |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** User has found an expert in the desired field with whom he wishes to have a session |
| **Integration Testing** |
| **Steps:**   * User selects desired expert * User presses the send request button   **Expected:** User gets a pop up message that his request has been sent  **Fails if:** User presses the send request button and receives no pop up message that his request has been sent |

| Viewing a user’s inbox |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** Assuming that the user has already requested to communicate with expert(s) |
| **Integration Testing** |
| **Steps:**   * Press show inbox to check out new messages   **Expected:**  The inbox should show the replies of the requested expert(s)  **Fails if:**   * Inbox is empty even after an expert sends his reply |

| Accepting/Declining an expert slot |
| --- |
| **Tests:** Graphical user interface |
| **Assumptions :** Assuming that the expert has accepted my request and sent me his available time slots |
| **Integration Testing** |
| **Steps:**   * Press accept to accept a time slot * Pressing decline will show that the time slot does not suit the user   **Expected:**  Accepting will send confirmation to both user and expert with a certain URL on which they can both communicate  **Fails if:**   * The time slot does not get accepted * Confirmation does not get sent to one or more of the involved parties |

| Rating of session |
| --- |
| **Tests:** User interface |
| **Assumptions :** Assuming that the user has finished his office hours sessions with an expert and the user gave an input of a desire rating for this session |
| **Integration Testing** |
| **Steps:**   * User interface takes the input from the user   **Expected:**  Graphical user interface correctly displays new rating and gets redirected to his/her profile page.  **Fails if:**   * Graphical user interface does not display the user inputted rating and is not redirected |

| User rates the chosen expert |
| --- |
| **Tests:** User interface |
| **Assumptions :** Assuming that the User has just finished a session with an Expert |
| **Integration Testing** |
| **Steps:**   * User selects the rating of the Expert * User presses the submit rating button   **Expected:** User receives a pop up message that his rating has been submitted    **Fails if:**   * User presses the submit rating button and does not get a pop up message |

| User bookmarks expert |
| --- |
| **Tests:** User interface |
| **Assumptions :** User has found an expert that he likes |
| **Integration Testing** |
| **Steps:**   * User selects the bookmark sign next to the expert’s info   **Expected:** User receives a pop up message that the expert has been bookmarked  **Fails if:**  User presses the bookmark sign and does not get a pop up message |

| User views sessions schedule |
| --- |
| **Tests:** User interface |
| **Assumptions :** User is on his profile view |
| **Integration Testing** |
| **Steps:**   * User selects view schedule   **Expected:** view of schedule comes up  **Fails if:**   * User selects view schedule and view does not change |

**Expert’s test cases:**

| Expert Adds/Edits Speciality |
| --- |
| **Test Covers:** Graphical User Interface and Data Manager. |
| **Assumption:** User has been approved as an Expert and is adding expert functionalities. |
| **Integration Testing** |
| **Steps:**   * Expert presses the add/Edit Tag Button * Expert selects add tag button and the tag that represents his area of expertise or selects edit tag button and edits previously selected tags   **Expected:** Expert is notified the tag is add/edited successfully and the tag will be added to expert’s profile  **Fails if:**  **•** No notification is seen by expert and no change in tags displayed |

| Expert rates user |
| --- |
| **Test Covers:** Graphical User Interface. |
| **Assumption:** Expert has just finished a session with a user |
| **Integration Testing** |
| **Steps:**   * Expert selects the rating of the user * Expert presses the submit rating button   **Expected:** Expert receives a pop up message that his rating has been submitted  **Fails if:**  **•** Expert presses the submit rating button and does not get a pop up message |

| Create an appointment with the user |
| --- |
| **Test Covers:** Graphical User Interface and Data Manager. |
| **Assumption:** User accepted a slot from the suggested ones. |
| **Integration Testing** |
| **Steps:**   * Press on the book button and provide the information of the session with the agreed on slot. * The Graphical User Interface passes this information to data manager to be saved in the session table.   **Expected:** The appointment should be created and saved.  **Fails if:**  **•** The session record was not saved. |

| Receive Notifications |
| --- |
| **Test Covers:** Graphical User Interface. |
| **Assumption:** Expert received a notification. |
| **Integration Testing** |
| **Steps:**   * Press to view the notifications.   **Expected:** Notification can be viewed.  **Fails if:**   * No notification is available to be viewed. |

| Suggesting slots for the appointment |
| --- |
| **Test Covers:** Graphical User Interface. |
| **Assumption:** User confirms on the session’s slot. |
| **Integration Testing** |
| **Steps:**   * Expert suggests 3 slots. * Send email to the user with the slots.   **Expected:** A message appears that the email was sent successfully.  **Fails if:**   * The message says that email failed to be sent. |

| Receive a confirmation and the URL for the session |
| --- |
| **Test Covers:** Graphical User Interface. |
| **Assumption:** User confirms on the session’s slot. |
| **Integration Testing** |
| **Steps:**   * Open inbox.   **Expected:** A confirmation and the URL are received in the inbox.  **Fails if:**   * No confirmation is sent |

| URL opens chat room |
| --- |
| **Test Covers:** Graphical User Interface. |
| **Assumption:** URL is received. |
| **Integration Testing** |
| **Steps:**   * Open the confirmation email in the inbox. * Press on the URL hyperlink.   **Expected:** URL opens the chat room/video conference.  **Fails if:**   * The URL doesn’t redirect to the session’s platform. |