Design of tests

Users test cases:

**Signup**

**Test covers:** Graphical User Interface and Data manager.

**Assumption:** User has filled registration form and is on the correct screen.

**Integration Testing**

**Steps:**

* Press the register now button to sign up.
* Data manager receives signup information.

**Expected:** You get redirected to the main page (view) 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 main page.

**Login**

**Test covers:** Graphical User Interface.

**Assumption:** 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 main page and His username appears on the upper right side of the screen and a logout button appears.

**Fails if:**

* User is notified that there was a problem while logging in.
* User doesn’t get redirected to the main page (where he can access his other functionalities)

**Logout**

**Test covers:** Graphical User Interface.

**Assumption:** The application is showing the correct screen.

**Integration Testing**

**Steps:**

* User presses the logout button.

**Expected:** User gets redirected to the basic view 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 basic view (where he can either signup or login)

**Editing personal information**

**Test covers:** Graphical User Interface and Data manager.

**Assumption:** User has changed the information he desires and is on the correct screen.

**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.

**Sending upgrading request**

**Test covers:** Graphical User Interface.

**Assumption:** User uploaded his portfolio/CV and is on the correct screen.

**Integration Testing**

**Steps:**

* User presses the upgrade button.

**Expected:** A pop-up message appears that the request has been sent successfully.

**Fails if:**

* A pop-up message appears that there was a problem while submitting his request.

Create Tags

**Test covers** : Graphical User Interface

**Assumption**: The application is showing the correct screen

**Steps:**

* Press the button to create a new tag

**Expected**: A pop message is received that a new tag is added

**Fails if:**

* Pressing the create button doesn’t add the tag and no pop messages is received

Search for experts

**Test covers:** Graphical User Interface

**Assumption:** A search bar is found for the tag to be typed in

**Steps:**

* Type in a certain tag
* After typing in the tag press the search button

**Expected:** A list of experts is displayed which are related to the chosen tag

**Fails if:**

* Pressing the search button doesn’t display anything to the user

View expert’s profile

**Test covers:** Graphical User Interface

**Assumption:** list of experts is displayed

**Steps:**

* Choose an expert
* Press the view profile button

**Expected:** The user is redirected to the expert’s profile where all information related to this expert is displayed

**Fails if:**

* Pressing the view profile button doesn’t show the user the selected expert’s profile

Choose experts

**Test covers:** Graphical User Interface

**Assumption:** list of experts is displayed

**Steps:**

* Press the Choose button next to each desired expert
* Choose up to 3 experts

**Expected:** A pop message is sent after choosing each expert and another one if the number of chosen experts is greater than three

**Fails if:**

* Pressing the choose button doesn’t successfully choose the selected expert
* Choosing more than three experts for a specific tag

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| **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. |

**Test Cases for experts:**

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| **Share an appointment with the public** |
| **Test Covers:** Graphical User Interface.  **Assumption:** User agrees on sharing the appointment.  **Integration Testing**  **Steps:**   * Press on a share button.   **Expected:**  A share request should be sent to the user to confirm sharing and the appointment could be viewed by other users.  **Fails if:**  **•** No one was able to see the appointment. |

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| **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.** |

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| **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. |

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| **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. |

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| **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. |