**Test case:** 001

**Test Scenario:** Login test with good credentials

**Purpose:** Test will output the results of entering correct login credentials

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | pass |
| 2 | Enter “testuser” as the username | Accepts the user name | As expected | Pass |
| 3 | Enter “123” as the password | Accepts the password | As expected | Pass |
| 4 | Press the Login button | Accepts the credentials entered and logs in with the test account | As expected | Pass |

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | pass |
| 2 | Enter “testuser” as the username | Accepts the user name | As expected | Pass |
| 3 | Enter “123” as the password | Accepts the password | As expected | Pass |
| 4 | Press the Login button | Accepts the credentials entered and logs in with the test account | As expected | Pass |

**Test case:** 002

**Test Scenario:** Login test with bad credentials

**Purpose:** Test will output the results of entering incorrect login credentials

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Enter “testcase002” | - | - | Pass |
| 3 | Enter “123” as the password | - | - | Pass |
| 4 | Press login | The application will return a dialog box to the user, informing him that the credentials are not valid and page data will flush | As expected | Pass |

**Test Case:** 003

**Test Scenario:** Checking in the remember me box, so that it remembers user and password info

**Purpose:** This test will see if the checkbox remembers the user information when checked

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Enter user name and password | - | - | Pass |
| 3 | Checks the Remember me box | Highlights it | As expected | Pass |
| 4 | Login and close application | Should log in without issues | As expected | Pass |
| 5 | Re-opens applications | User credentials should be remembered already and ready to user to simply press log in without having to re-enter credentials | As expected | Pass |

**Test Case:** 004

**Test Scenario:** User does not check the “Remember me” box upon entering his credentials

**Purpose:** To test if without the checkbox “Remember me” checked, application will still save the credentials

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | User enter credentials | - | - | - |
| 3 | Does not check the “remember me” checkbox and logs in | Log in into his account | As expected | Pass |
| 4 | Closes application and re-opens it | Credentials should not be saved since checkbox wasn’t checked | Credentials are saved even though checkbox “Remember me” was not checked | fail |

**Test Case:** 005

**Test Scenario:** Scanning QR code with “deny” on camera permission for scanner

**Purpose:** To test if the application gives an error message since the camera doesn’t have permissions to work with the app

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Log in into test account | Logs in without any issues | As expected | Pass |
| 3 | On menu, selects Scan QR Codes | Gives an error  message back since it does not have permission to use the camera | As expected | Pass |

**Test case:** 006

**Test Scenario:** Scanning QR code with permission to use camera

**Purpose:** Test if the app is able to utilize the phone’s camera

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Log into test account | Logs in without any issues | As expected | Pass |
| 3 | On menu, selects Scan QR Codes | Opens the camera and prompts user to display QR code to the camera | As expected | Pass |

**Test case:** 007

**Test Scenario:** User confirmation to exit the app

**Purpose:** To test if upon pressing the exit button, the app should prompt the user if he really

wants to exit it.

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | User clicks on exit button | App should open a window asking the user if the is sure he wants to exit the program | As expected | Pass |
| 3 | User clicks on the pop up window “yes” | Exits the app | As expected | Pass |

**Test Case:** 008

**Test Scenario:** Clicking on exit and on “NO” on the prompt window

**Purpose:** To check if the program cancels the exit once NO is clicked

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | User clicks on exit button | App should open a window asking the user if the is sure he wants to exit the program | As expected | Pass |
| 3 | User clicks “NO” on the pop up prompt window | Should cancel and not exit the program | As expected | Pass |

**Test case:** 009

**Test Scenario:** Scheduling date and time

**Purpose:** To check if the scheduling tab is working as intended.

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Logs in into test account | Logs in without any issues | As expected | Pass |
| 3 | Clicks on schedule | Opens a screen prompting user to select date and time | As expected | Pass |
| 4 | Selects Date December 13, 2016 | Accepts the date and goes back to previous window | As expected | Pass |
| 5 | Selects Time 4pm | Accepts the time and goes back to previous window | As expected | Pass |
| 6 | User clicks on book schedule button | A date and a time were selected therefore app schedules it | As expected | Pass |
| 7 | User clicks on book schedule without selecting a time, or a date or both | Application does not schedule it and prompts the user to entre missing information | As expected | Pass |

**Test case:** 010

**Test Scenario:** Check functionality of request item

**Purpose:** To check if the request item tab and buttons are working as intended.

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Log in into test account | Logs in without any issues | As expected | Pass |
| 3 | Upon log in clicks on Request item on the menu | Request Item tab should open allowing the user to select the amount and what item he wants | As expected | Pass |
| 4 | Selects item and amount and then clicks the button “Request Item” | Item is requested and assigned to that user in the database | As expected | Pass |

**Test case:** 011

**Test Scenario:** User clicks on “My account” on menu

**Purpose:** To check if it is displaying proper user info

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Logs in into test account or created account | Should log in without any issue | As expected | Pass |
| 3 | Clicks “My account” on the menu | Display Student complete name, username and Student number | As expected | Pass |

**Test case:** 012

**Test Scenario:** User requests item and sets a date

**Purpose:** To check if the item and date info are being added to the right student in the database

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Logs in into test account or created account | Logs in without any issue | As expected | Pass |
| 3 | Clicks on “Request items” on the menu and selects one or multiple items | Opens the request item where user will select as many items as wanted, once selection is done it will go back to the menu | As expected | Pass |
| 4 | Clicks on “Schedule” on the menu and selects a date and a time for the item pick up | User will be brought to a new window where we will be able to select the date and the time separately where both will have to be entered in order to schedule the item. | As expected | Pass |
| 5 | Check the database for the information | Item, date and time of pick up should be assigned to the right user in the database | As expected | Pass |

**Test case:** 013

**Test Scenario:** User tries to scan a barcode with the QR scanner

**Purpose:** To test that it does not scan the bar code since it is set to scan only the QR

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Log in into test account or created account | Logs in without any issues | As expected | Pass |
| 3 | On menu click on scan QR code | Opens a windows asking for permission to use the camera to scan | As expected | Pass |
| 4 | Allows user of camera and display barcode | Application is going to open the camera and try to scan the QR code but it is not going to scan anything since the displayed code is a barcode | As expected | Pass |

**Test case:** 014

**Test Scenario:** User tries to create account with user name that already exists

**Purpose:**  to make sure user cannot create an account with an account name that has already been used

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | Click on sign up | Prompts user to enter username and password | As expected | Pass |
| 3 | User enters “testuser” and any password | App gives an error window informing user that user name is already taken | As expected | Pass |

**Test case:** 015

**Test Scenario:** User leaves a blank field once creating or entering user name or password

**Purpose:** To test the prompt message telling the user to enter appropriate field

**Preconditions:** Clean installation of the application, Wi-Fi and data turned on.

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| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected results** | **Actual Results** | **Pass/Fail** |
| 1 | Start Application | Applications runs without any issues | As expected | Pass |
| 2 | On log in page leave user name on and enter a password of vice versa | App will prompt the user to enter appropriate fields | As expected | Pass |