### Test Cases

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| Test Case: 1.1 | | |
| Pre-Condition: | | |
| Steps: | **Expected Results** | **Actual Results** |
| 1. Click on application icon | **Should open login page with option to sign in or sign up.** | **As expected** |
| Result:  Pass | | |

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| Test Case: 1.2 | | |
| Pre-Condition:  *Login page is open* | | |
| Steps: | **Expected Results** | **Actual Results** |
| 1. Sign in with email, password, and username.    2. Sign up with valid username, email, password, and door identifier. | **Should open main page of the app and display 5 buttons: Peek Door, Unlock Door, Administrators, History and Credits.**  **Profile stored in database and user sent to main page.** | **As expected** |
| Result:  Pass | | |

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| Test Case: 1.3 | | |
| Pre-Condition:  *Application is launched* | | |
| Steps: | **Expected Results** | **Actual Results** |
| 1. Click on history  1. Click on credits | **The history page should open with pictures uploaded to the database.**  **The credit pages should open with information on product owner, technical lead and developers.** | **As expected** |
| Result:  Pass | | |

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| Test Case: 1.4 | | |
| Pre-Condition:  *Wifi code should be written and uploaded on the ESP32* | | |
| Steps: | **Expected Results** | **Actual Results** |
| 1. Connect to a Wi-Fi network  2. Testing with a local WI-FI server by connecting the WI-FI module with an LED light and then search the IP addresses on a search bar. Then on that page click “On” or “OFF”. | **Serial monitor should display connected to wi-fi and its network**  **When the light is turned “On” the LED is light is turned on and when the light is “OFF” the LED is turned off.** | **As expected** |
| Result:  Pass | | |

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| Test Case: 1.5 | | |
| Pre-Condition:  *Motion sensors code should be written and uploaded on the Arduino board.*  *Connection between LED light, motion sensor and Arduino board.* | | |
| Steps: | **Expected Results** | **Actual Results** |
| 1. Move your hand in front of the motion sensor.  2. Move your hand out of the range of the motion sensor | **The LED light should turn on.**  **The LED light should turn off** | **As expected** |
| Result:  Pass | | |

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| Test Case: 1.6 | | |
| Pre-Condition:  *Camera code should be written and uploaded on the on the Arduino board.*  *Connection between camera and Arduino board.* | | |
| Steps: | **Expected Results** | **Actual Results** |
| 1. Open ARDUCAM host software and click open and capture. | **Display the picture of the direction the camera is facing** | **As expected** |
| Result:  Pass | | |

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| Test Case: 1.7 | | |
| Pre-Condition:  *Lock code should be written and uploaded on the on the Arduino board.*  *Connection between lock and Arduino board.* | | |
| Steps: | **Expected Results** | **Actual Results** |
| 1. Set a specific timer for the lock to be locked and then unlocked | **Lock should be open and then close after a certain threshold time.** | **As expected** |
| Result:  Pass | | |