**Task 3(a)**

|  |  |  |
| --- | --- | --- |
| Test Case | Method and Parameters | Expected Output |
| Successful Registration | Register(Mike, 24-08-1997,mike@gmail.com,03322211153,male, JPEG file, mike12345678) | Crown Pass Id generated |
| Failed Registration  (User already created) | Register(Mike, 24-08-1997,mike@gmail.com,03322211153,male, JPEG file, mike12345678) | Error Message, an account already created |
| Failed Registration  (Wrong inputs) | Register(Mike, 24-08-1997,mike@@gmail.com,03322211153,male, pdf file, mike12345678) | Error Message, wrong credentials entered |
| Successful login | (m19023434 (Crownpass id), mike123 (password)) | Access App |
| Incorrect login credentials | (m19023434, mike@1234) | Error Message, wrong credentials |

|  |  |
| --- | --- |
| Crown Pass Holder | System |
| 1 Enter login credentials |  |
| 2 Users credentials are cross-checked with the database | 3 User founded in database |
| 4 Granted Access to the app |  |

|  |  |
| --- | --- |
| Crown Pass Holder | System |
| 1 Enter login credentials |  |
| 2 Users credentials are cross-checked with the database | 3 User credentials not found in database |
| 4 Access denied |  |

|  |  |
| --- | --- |
| Crown Pass Holder | System |
| 1 Enter login credentials |  |
| 2 Users credentials are cross-checked with the database | 3 User Password does not match with the saved password on the database |
| 4 Access denied | 5 Error message, please enter password again |

|  |  |
| --- | --- |
| Crown Pass Holder | System |
| 1 Enter registration inputs | 2 User inputs are stored in the database |
| 3 User receives crown pass id | 4 User successfully registered on to the system |
| 5 Granted access to the app |  |

|  |  |
| --- | --- |
| Crown Pass Holder | System |
| 1 Enter registration credentials | 2 User inputs are in the wrong format, error message : please enter the right format |
| 2 User renters the right input format | 3 User inputs stored into the database |
| 4 User receives crown pass id | 5 User successfully registered on to the system |
| 5 Granted access to the app |  |

|  |  |
| --- | --- |
| Crown Pass Holder | System |
| 1 Enter registration inputs | 2 User inputs are already stored in the database |
| 3 Registration failed | 4 Error message displayed: user is already registered with the system |

**Test Data**

* **Input:**
  + Registration: (photo, name, address, DOB, email, mobile phone, gender, password)
* **Stored data:**
  + **On mobile device:**
    - No crown pass id generated (User is still not registered)
  + **On Cloud:**
    - User or Crown Pass holder registration details
    - Login credentials (if user was already registered)
* **Output:**
  + Crown Pass Id generated ( user successfully registered with the system)

**Test Process:**

1. Setup text context
   1. Mobile device: No crown pass Id
   2. Crown Pass database:
      1. Stores User registration details
      2. Stores User login credentials (If already registered)
2. Input User login
   1. Expected Output:
      1. Access denied
      2. User login information is not stored on the database
   2. User is suggested to register with the system
3. Input User registration details
4. Submit Request**:**
   1. Expected Output:
      1. User successfully registered; crown pass Id generated
      2. Check: minimal requirement of registration with the system is inputted (photo)
5. Registration completed; User granted access to the app