**Test Plan:**

**Unit Test Plan:**

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| --- | --- | --- | --- | --- | --- |
| **Test ID** | **Description** | **Precondition** | **Expected IO** | **Expected OP** | **Actual OP** |
| **U1** | Login and logout of user | The Test view should be aligned | User enter data | displayed |  |
| **U2** | Call to emergency numbers via app | Inbuild number should be correct | User click | call |  |
| **U3** | Drone SOS | Status healthy | User click | SOS status |  |
| **U4** | Firebase data base management | Inbuild should be initialized | Backend communication | Correct data stored |  |
| **U5** | Store and Retrieve data in firebase. | Inbuild should be initialized | User data | Correct data retrived |  |
| **U6** | Location Services to displayed on the user screen | Location services work only outdoors | User location display | Displayed location should be correct |  |
| **U7** | View medical details | Medical information | User input | Display |  |

**Integration Test Plan:**

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| --- | --- | --- | --- | --- | --- |
| **Test ID** | **Description** | **Precondition** | **Expected IO** | **Expected OP** | **Actual OP** |
| **I1** | Take login ID as email with validation | Text field present | Input | Taking input Successfully. |  |
| **I2** | Take users password with validation | Validation | User input | Taking input Successfully. |  |
| **I3** | Forget password for user | Password retroviral | click input | Successfull |  |
| **I4** | Call the police using the default phone dialer app | Phone | Click on police | Successfully |  |
| **I5** | Call the Ambulance using the default phone dialer app | Ambulance | Click on Ambulance | Successfully |  |
| **I6** | Changes the drone SOS status to emergency | SOS details setup | User click | Successfully |  |
| **I7** | Firebase stores emails, password and contact details | Firebase communication | User data | Successfully |  |