|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sphygmomanometer | | | | | |
| B1 | Measure a user’s blood pressure | Take readings and make medical judgements | S |  | 15/10/2018 |
| B2 | Send BP readings to screen | View a user’s blood pressure | S |  | 15/10/2018 |
| B3 | Read data from the reader | So that readings can be gathered | S |  | 17/10/2018 |
| B4 | Take average blood pressure | Have better results | C |  | 17/10/2018 |
| B5 | Filter out erroneous readings and data | Have more accurate results | S |  | 17/10/2018 |
| B6 | Measure blood pressure in real time | Read more relevant ratings | S |  | 17/10/2018 |

## Sphygmomanometer (Blood Pressure)

**Test Name**: B\_T1  
**Requirements Tested**: B1, B2, B3, B6  
**Outline**: Ensure that the device can measure user’s blood pressure  
**Pre-requisites**: Make sure the device is turned on, healthy and sensors connected

**Method:**

|  |  |  |
| --- | --- | --- |
| **STEP** | Action | Expected Observation |
| 1. | Attach the sensors to a person | Sensors are properly attached to a person |
| 2. | Once the reading is completed, look at the blood pressure reading on the display | See a reasonable blood pressure reading |
| 3. | Repeat the above ***STEP***s again to check if readings are consistent | See same or very similar blood pressure readings |

**Test Name**: B\_T2  
**Requirements Tested**: B4  
**Outline**: Ensure that the device can take the average blood pressure  
**Pre-requisites**: Make sure the device is turned on, healthy and sensors connected

**Method**:

|  |  |  |
| --- | --- | --- |
| **STEP** | Action | Expected Observation |
| 1. | Attach the sensors to a person | Sensors are properly attached to a person |
| 2. | Get three different readings from the machine in one sitting | End up with three very similar readings |
| 3. | Once the readings are completed, select the “average” option from the menu | Observe the “average” option returning the average result of the last three readings |

**Test Name**: B\_T3

**Requirements Tested**: B1, B2, B3, B4, B5, B6

**Outline**: Ensure that the device can filter out erroneous readings and data

**Pre-requisites**: Make sure the device is turned on, healthy and sensors connected  
**Method:**

|  |  |  |
| --- | --- | --- |
| **STEP** | Action | Expected Observation |
| 1. | Attach the sensors to a person | Sensors are properly attached to a person |
| 2. | Get different readings from the machine | See the readings on the screen |
| 3. | If some readings are unusually high or low due to – person: not resting 3-5 minutes, talking, has fluctuating body temperature, smoking cigarette less than 30 mins prior to reading or other reasons, identify these readings and delete them. | See a realistic and accurate readings |