**Test case T001 - Testing R001**

**Setup:**

1 - Start the Backend Server and the Staff Frontend.  
2 - Create a Staff and Patient account.  
3 - Stop the Server and Frontend  
4 - Set the blood pressure reminder schedule to activate ahead of the current system time.  
5 - Start the Backend Server and the Watch Frontend.

**Steps and Expectations:**

1.0 - Observe the watch interface  
1.1 - Expect the watch to not have anything indicating the patient should take a blood pressure test

2.0 - Wait until your system time progresses to the time you have scheduled the reminder for  
2.1 - Expect an Alert to appear which will notify you to take a blood pressure test

3.0 - Close the Alert, then observe the watch for 30 seconds  
3.1 - Expect no more Alerts to appear

**Replication:**

Repeat 5 times with different times scheduled for both the morning and evening Alerts

**Execution and Details:**

1.0 - Morning Alert scheduled for 09:46 to test single digit hours  
1.1 - Executed as expected

2.0 - Morning Alert scheduled for 10:00 to test 0 minutes  
2.1 - Executed as expected

3.0 - Morning Alert Scheduled at 10:12 to test double digit hours and minutes  
3.1 - Executed as expected

4.0 - Evening Alert schedules at 11:14 to test the evening alert functions  
4.1 - Executed as expected

4.0 - Evening Alert Scheduled at 12:00 to test the 12- or 24-hour clock  
4.1 - Executed as expected  
  
**Result:**  
Tests passed: 5 / 5  
Test success rate: 100%  
Test result: **pass**

**Test case T002 - Testing R002**

**Setup:**   
1 - Start the Backend Server, the Staff Frontend, the App Frontend, and the Watch Frontend.  
2 - Create a Staff and Patient account.

**Steps and Expectations:**

1.0 - Allow the Patient Frontends to run with the default generated inputs for 30 seconds  
1.1 - Expect the Staff Frontend Homepage to display the new patient in a white or grey table row  
1.2 - Expect the Patient’s severity to be displayed as low

3.0 - Enter data that will cause the patients’ severity to reach Critical Within the App, Watch, or DB 3.1 - Expect the Patient’s row to now be red  
3.2 - Expect the Patient’s severity to be displayed as Critical

4.0 - Enter data that will cause the patients’ severity to reach low Within the App, Watch, or DB  
4.1 - Expect the Patient’s row to now be white or grey  
4.2 - Expect the Patient’s severity to be displayed as low

**Replication:**

Repeat this 5 times altering different fields to trigger the patient’s severity to change

**Execution and Details:**

1.0 - Patients Daily Alcohol Intake Set to 20 units using the App and then Set to 5 using the database  
1.1 - Executed as expected

1.0 - Patients Daily Average Heart Rate Set to 150 using the database and then Set to 60  
1.1 - Executed as expected

1.0 - Patients Daily Peak Heart Rate Set to 160 using the database units and then Set to 70  
1.1 - Executed as expected

1.0 - Patients Daily Alcohol Intake Set to 20 units using the Database and then Set to 5 using the database  
1.1 - Executed as expected

1.0 - Patients Latest Heart Rate Set to 160 using the Database and then Set to 50  
1.1 - Executed as expected

**Result:**  
Tests passed: 5 / 5  
Test success rate: 100%  
Test result: **pass**