

Test Plan

One of the units of our software is the setting of a time limit for an app. We can test that the app is setting valid time limits with the use of equivalence partitions. Valid input is any integer positive or negative. Positive integers are time limits set for the app, zero automatically locks the app, and a negative integer means there is no time limit. Broken into partitions:

- **Partition 1 (Time Limit > 0):** A time limit is set. In code this will return the string “Time limit set”.
- **Partition 2 (Time Limit = 0):** No time limit is set and the app is locked. In code this will return the string “App locked”.
- **Partition 3 (Time Limit < 0):** No time limit is set and the app stays unlocked. In code this will return the string “App unlocked”.

This unit and tests were programmed in Java (Can be found in the zip folder). By using JUnit the three partitions were tested with the following results:

