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| ID | Requirement | Related Use Case(s) | Fulfilled By | Test | Description |
| 1 | Using the Semi-Automatic AED Plus | - Using Real CPR Help  - Using the Semi-Automatic AED Plus GUI | AED.h, AED.cpp | N/A | A collection of setters and getters that either set or are used to access the state of objects. A class that uses the facade design pattern to provide an interface |
| 2 | Using Real CPR Help | N/A | AED.h, AED.cpp | In case of PEA or prompted for post-shock resuscitation, repeatedly click on the cpr button for feedback on compression rhythm and depth | Real-time cpr feedback is provided to user to provide more accurate resuscitation |
| 3 | Using the LCD Display | N/A | Mainwindow.h, mainwindow.cpp | LCD display will respond to changes in the following: battery, heartbeats, heart rate, patient status, shocks provided, self tests | User can be guided through the LCD display and gain valuable information. |
| 4 | Applying CPR D-padz (adult or infant) | N/A | Mainwindow.h, mainwindow.cpp,  AED.h, AED.cpp | Only two states exist for the cpr d-padz: correctly placed, or incorrectly placed. User can interact to place the pads correctly | User can attach electrodes (part of the padz) to patient, selecting either the adult or child pads |
| 5 | Using the Self Test Feature | N/A | AED.h, AED.cc | AED self-test results indicated on startup of AED on the LCD display | User is informed that the AED is not functional due the failing the self tests |
| 6 | Identifying Battery Condition | N/A | Mainwindow.h, mainwindow.cpp,  AED.h, AED.cpp | Shocks result in depletion of battery, and low battery will result in message to LCD screen | AED is able to show battery level and shows gradual battery depletion on shocks |
| 7 | Advising and prompting user to administer shock | N/A | Mainwindow.h, mainwindow.cpp,  AED.h, AED.cpp | Shock will update ECG, heart rate, and battery on the LCD display | AED is able to provide controlled shocks to the patients through the electrodes in the D-padz |