

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