

ID	Requirement	Related Use Case(s)	Fulfilled By	Test	Description
1	Default age initialization	- Using Electrodes	Patient.h, Patient.cpp	Verify default age is 18 from the UI	Patient is initialized and heart conditions analyzed on pad connection
2	Age-based compression depth setting	- Applying CPR-D-padz	Patient.h, Patient.cpp, Heart.h, Heart.cpp	Verify compression depth range variance between adults and kids	Patient is resuscitated with different compression depth based on age range. Age range determined by which of the two pads (Adult or Child) receive a signal. Due to inconsistent compression depth, range is applied
3	Cardiac arrest detection	- Using the Semi Automatic AED Plus	Patient.h, Patient.cpp, Heart.h, Heart.cpp	Check prompt to shock. Only cases for shock are VTACH or VFIB	If patient has a heart rate of over 120bpm, they are in a state cardiac arrest
4	Administering shock	- Using Electrodes (part of the cpr d-pads)	Patient.h, Patient.cpp, Heart.h, Heart.cpp	Test shock administration.	Simulates the administration of a shock
5	CPR suitability determination	- Using the Semi Automatic AED Plus - Applying CPR-D-padz	Patient.h, Patient.cpp, Heart.h, Heart.cpp	If the heart requires resuscitation from either asystole or PEA state	Determines if CPR is applicable
6	CPR administration feedback	- Using real CPR help	Patient.h, Patient.cpp	Conditions for administering shock are only	Provides feedback on

				in cases of VTACH or VFIB	CPR administration
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