Use Case 5: Shock Delivery

Primary Actor: User

Scope: AED device

Level: restores the patient’s normal heart rhythm

Precondition:  Heart Rhythm not detected and voice

Main success scenario:

1. AED determines that a shock is indicated, identify the shock rhythm

2. AED will automatically charge itself

3. Prompt the user to deliver a shock

Extensions:

3a. It's essential to ensure that no one is in contact with the patient when the shock is delivered.

Postconditions: The patient shows a sign of a normal heart rhythm

Use Case 6: CPR and Post-Shock Care

Primary Actor: User

Scope: AED device

Level:  restores the patient’s normal heart rhythm

Precondition:  AED has delivered a shock

Main success scenario:

1. AED will instruct the user to perform cardiopulmonary resuscitation (CPR) for a specified duration.

2. AED monitors the patient's heart rhythm and provides feedback on the quality and rate of chest

compressions during CPR.

Extensions: None

Postconditions: The patient resumes a normal heart rhythm