Use case: AED overall use case

Primary actor: normal people

Stake holders: patients, hospitals, manufactures

Goal: to successfully save one’s life with operating AED.

Scope: the use of AED when people find else/patient is in cardiac arrest

Level: user level

Success guarantee: when user of AED correctly uses the device for emergency defibrillation while following the instruction by AED device.

Main success scenario:

1. While find patient is unconscious, call 911
2. Access to the nearest AED device
3. Press ON and follow the guidance on the screen.
4. Place a set of adhesive electrode pads on patient’s bare chest and connect to the device.
5. The device analysis patient’s heart rhythm and detecting a shockable rhythm.
6. While detecting a shockable rhythm, the device will charge and tell user the time to press the button to deliver the shock.
7. Following the guides provided by the device, the user starts CPR for the patient.
8. The device keeps monitoring patient’s heart rhythm and provide feedback.

Extension:

1. While the device detected patient’s heart rhythm is not shockable, it will tell user to continue CPR and wait for further instructions.