Use case: AED aftershock monitoring and CPR instruction

Primary actor: normal people

Stake holders: patients, hospitals, manufactures

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

Scope: after a shock is delivered and before medical staff arrives.

Level: user level

Success guarantee: after correctly use of the AED to deliver a shock to patient, the device will provide clear instruction of CPR and real-time monitoring of patient’s heart rhythm, to help the user deliver an efficient CPR.

Main success scenario:

1. The user correctly uses the device to deliver a shock to patient.
2. The device detected a successful shock
3. The device provides voice/visual instructions to help user to CPR.
4. User follows the instruction and correctly perform CPR.
5. Monitoring the patient’s heat rhythm and provide real-time feedback.

Extension:

1. If the device detected incorrect CPR, it would provide advice to help the user to ensure that a correct CPR is performed.