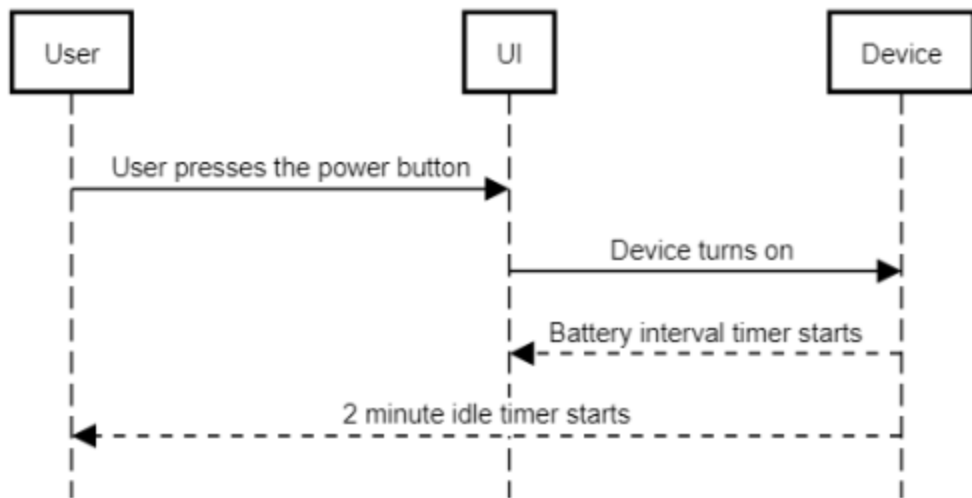
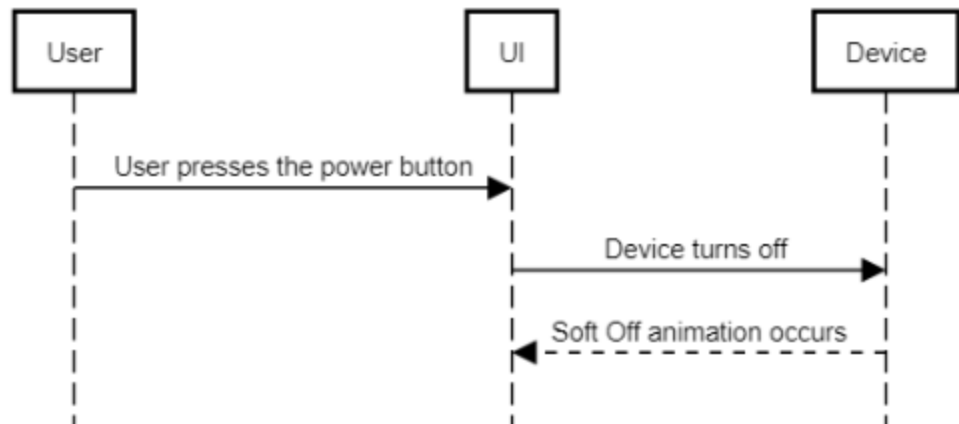


Power Use case



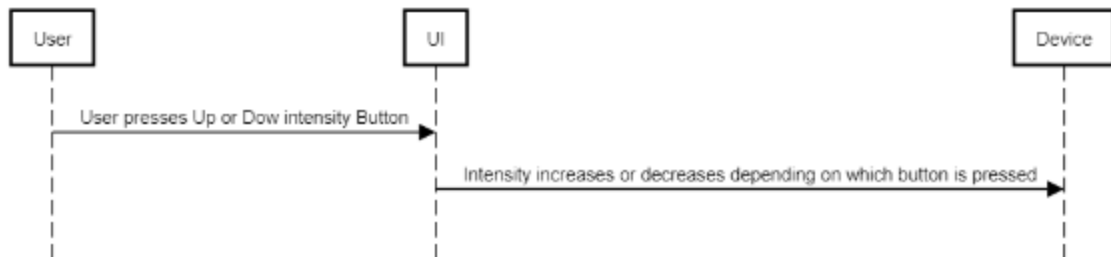
We assume in this case that the device starts off with a non-empty battery. The user is then responsible for pressing the power button and turning the device on. When the device turns on it carries out the initialization procedures and displays that it is on. From there, the timer is instantiated and responsible for ensuring the 2 minutes are tracked. The battery interval timer is responsible for keeping a log of the battery percentage remaining and once it hits 0 we turn the device off.

Turnoff Use case



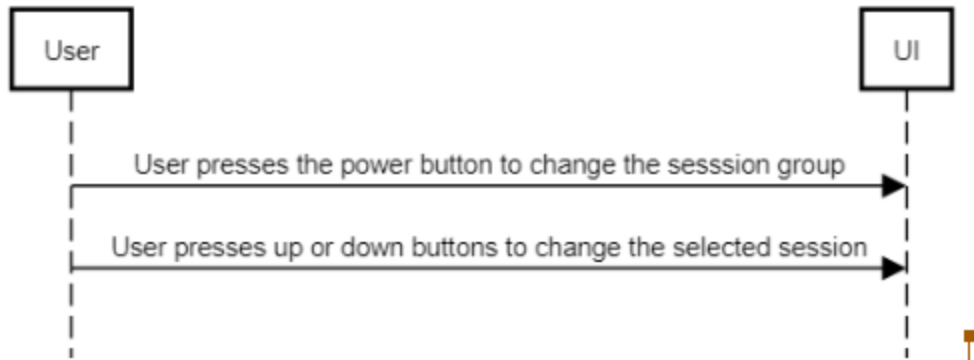
We assume in this case that the device is on and a session is in progress when the power button is pressed. Once the power button is pressed the end session use case is in action.

Change Intensity Use case



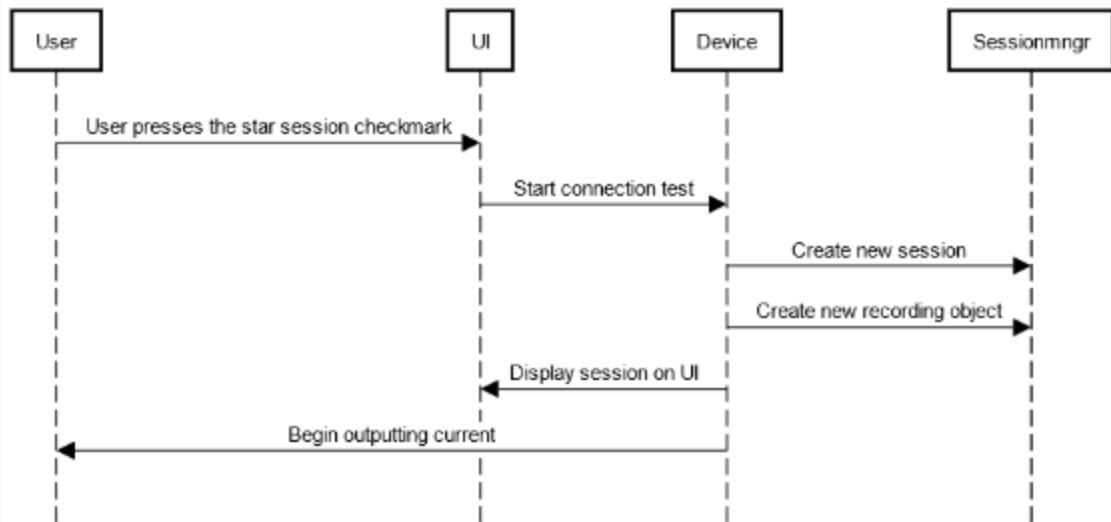
Change intensity assumes that the device is up and running. The user is able to interact and change the intensity up or down. From there, the change is registered in the device hardware. This intensity is kept at the value until another change happens or the session ends.

Select Session Use case



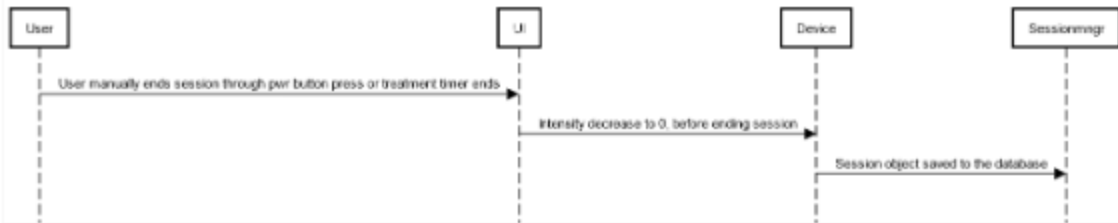
We assume that the device is turned on as a precondition for this sequence. Once the user selects the session, they are prompted to confirm and from there the Start Session sequence will begin.

Start Session Use Case



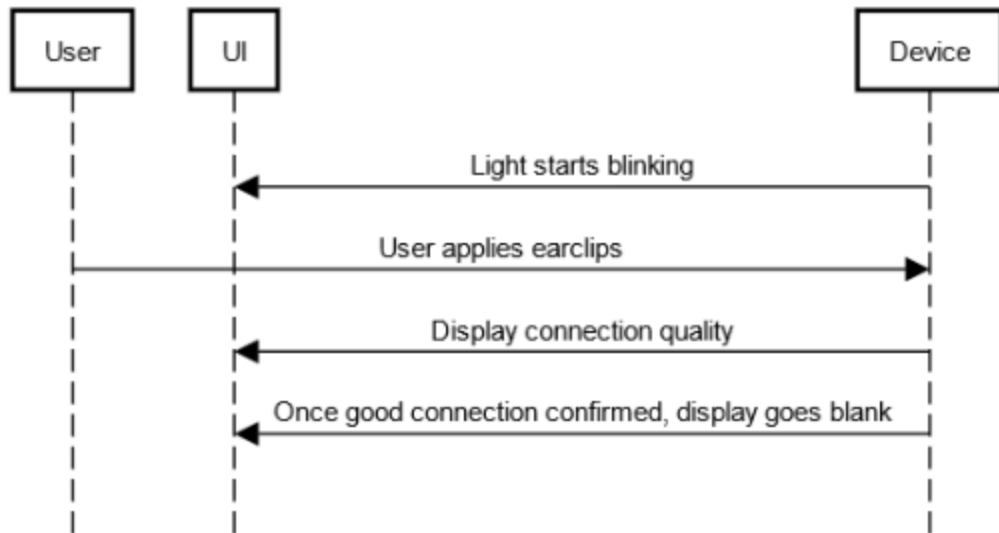
We assume that the device is on and a user has selected a treatment, once this action is made a session will be in progress.

End Session Use Case



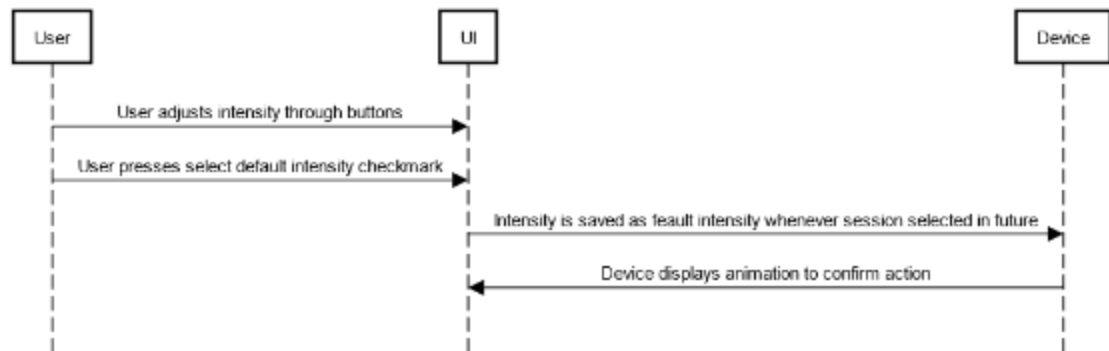
We assume that the device is on and a treatment is in progress, after the Soft Off process the session will have ended and the session object will be saved into the database.

Connection Test Use Case



Here we assume that the user has started a session already. Once the sequence completes, the treatment will begin, assuming that we have a successful connection, and we go to the start session sequence diagram. Alternatively, the electrodes are disconnected and the user will then be prompted to reconnect the electrodes. If we are in the connection test, users will be prompted to reconnect. Otherwise, the running session will pause and we will prompt the user to reconnect, resuming the session from where it left off.

Saving Preferences Use Case



We assume that the device is on and a session is in progress, by default, each session will start with an intensity of 0 and needs to be manually adjusted. Saving a new default intensity will override the default for this type of session only, other sessions will still default to an intensity of zero until a preferred new intensity is selected for them as well, once the action is confirmed the session resumes with the new set intensity.

Replay Session Use Case

