Use Case: Selecting a Session (Gabriel Chung)

Primary Actor: User
Scope: Oasis Pro System
Stakeholders and interests:

- User of the device - wants to select a session and start it
- Oasis Pro Device - wants to execute the selected session for the user

Precondition: the device is turned on and has sufficient battery to start a session
Success guarantee: user successfully selects and starts a session

Main success scenario:

- User presses and releases power button to switch between the four standard session groups
- Group icon changes
- User presses the INT up or down buttons to highlight a session number
- Frequency and mode icons associated with the session light up to indicate the frequency range and CES pulse type
- User presses the select button (✓) to start the highlighted session
- Session number flashes and session begins after a five second delay
- Connection test begins at the start of each session (see Use Case: Connection Test)

Extensions:
3.1. No sessions are available in the selected group
3.1.1. No numbers will be lit
6.1. User wants to adjust the intensity of the session (see Use Case: Adjusting Intensity)

Use Case: Connection Test (Gabriel Chung)

Primary Actor: Oasis Pro Device
Stakeholders and interests:

- Oasis Pro Device - wants to secure connection status before starting a session

Precondition: the device is turned on and a session has been selected and started
Success guarantee: connection test completes, confirming connection status

Main success scenario:

- Device enters testing mode
- CES Mode light starts blinking
- Display the status of the connection on the graph
- Wait for connection to be confirmed
- Check if resuming or restoring a saved preference, if yes then display a Soft On animation, otherwise display a blank screen
- Connection test ends
- Intensity can be adjusted by the user (see Use Case: Adjusting Intensity)

Extensions:

3.1. The ear clips are disconnected during the session

3.1.1. Pause the session

3.1.2. Wait for the ear clips to be reconnected

3.1.3. Once reconnected, no connection will display for a couple of seconds

3.1.4. Graph scrolls up and down indicating that the unit is returning the voltage to a safe testing level, this may take up to 20 seconds

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Use Case: Adjusting Intensity (Gabriel Chung)

Primary Actor: User
Stakeholders and interests:

- User - wants to adjust the intensity of the stimulus

Precondition: the device is turned on and a session has been selected
Success guarantee: the intensity of the session changes to what the user desires

Main success scenario:

- Default intensity of a session is zero
- User presses the up/down INT button to increase or decrease the intensity of the session
- The corresponding light (1 to 8) lights up to show an approximate intensity level
- The topmost lit number links to indicate the current intensity while adjusting intensity
- Intensity of the session gets changed

Extensions:

3.1. Use tries to decrease below the minimum or increase above the maximum intensity level

3.1.1. Intensity does not change

3.1.2. Light displayed does not change

Use Case: End Session (Karl Damus)

Primary Actor: Device User
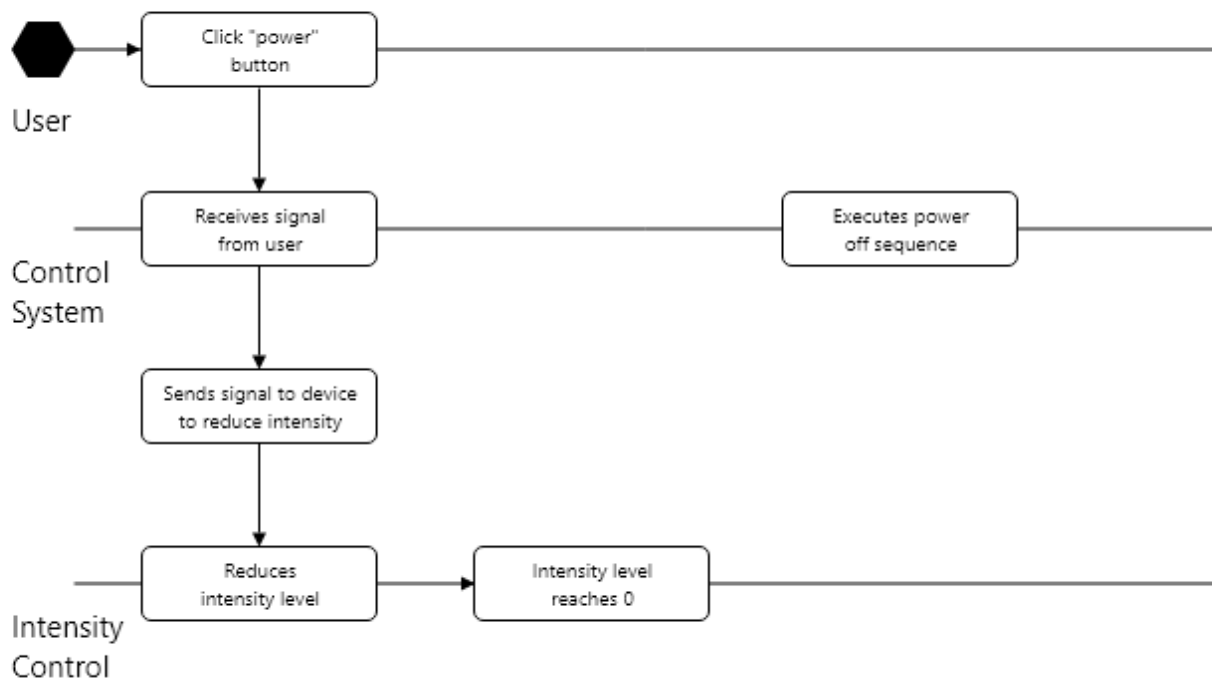*Scope:* Oasis Pro System
Level: Main function
Stakeholders and interests:

- User of the device - to power off the Oasis Pro Device
- Oasis Pro Device - to gradually reduce the CES stimulus - soft power off the unit
- Intensity Control - reduce the level of intensity

Success guarantee: device powers off by gradually reducing the intensity of the CES stimulus

Main success scenario:

- Control system receives a signal from device power button to power off the device
- Control system continually and gradually tells the device to reduce the output intensity
- Intensity control updates the intensity graph each time the intensity decreases
- Intensity level reaches zero
- Control system executes the power off sequence (see Use Case: Turn Off)

User

Click "power" button

Control System

Receives signal from user

Executes power off sequence

Sends signal to device to reduce intensity

Reduces intensity level

Intensity level reaches 0

Intensity Control

Use Case: Record Session (Karl Damus)

Primary Actor: Device User / Device Control
Scope: Oasis Pro System
Level: Subfunction
Stakeholders and interests:

- User of the device - to record their therapy session and have it saved to their user profile treatment history
- Oasis Pro Device - to gather the session type, duration, and intensity level and save it to the active users treatment history
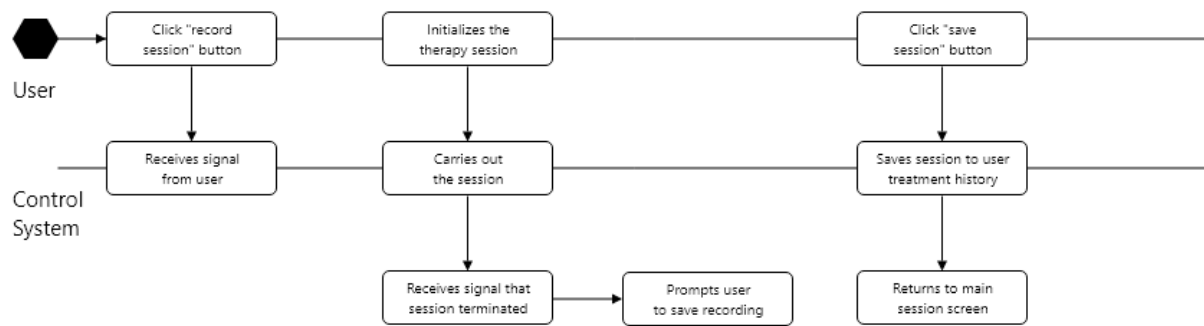
Success guarantee: therapy session is successfully recorded and either saved to the users profile or dismissed

Main success scenario:

- Control system receives signal from device button to record the therapy session
- User initializes the therapy session
- Control system carries out the therapy session
- Control system prompts the user if they wish to save their recorded session upon termination of the session
- Control system receives signal from user prompt that the user wishes to save their recorded session
- Control system saves the session information (session type, duration, and intensity level) to the active users treatment history
- Control system returns to the main session screen

Variations:
5'. Control system receives signal from user prompt that the user wishes to delete their recorded session - the control system will dismiss the recorded session and return to the main session screen

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Use Case: Turn on the CES Device (Evan Allen)

Primary Actor: User
Scope: Oasis Pro System
Stakeholders and interests:

- User of the device - wants to put the device in a usable state

Precondition: battery is installed and charged and device is off
Success guarantee: device has been successfully turned on

Main success scenario:

- User presses and holds the power button
- Batter level is displayed on the device
- Device is now in an operable state, allowing the user to perform other actions

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Use Case: Turn Off (Evan Allen)

Context of use: Turn off the CES device
Scope: Oasis Pro System
Level: Subfunction
Primary Actor: User
Stakeholders and interests:

- User - to put the device in a non-operating state

Precondition: device is turned on

Main success scenario:

- User presses and holds the power button for 1 second
- Any session currently running is abruptly ended
- Lights on device shut off

Use Case: Create User (Evan Allen)

Context of use: Create a new user to be stored on the device
Scope: Oasis Pro System
Level: Subfunction
Primary Actor: User
Stakeholders and interests:

- User – to create a new user profile for themselves
- Oasis Pro Device – to create a new user profile that allows the user to save sessions

Precondition: device is turned on

Main success scenario:

- User enters a name for the profile in the create user text box
- User presses create user button
- Users profile is added to the list of user profiles
- Device changes the current User Profile to the newly created profile

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Use Case: Change User (Evan Allen)

Context of use: Change between User Profiles on the device
Scope: Oasis Pro System
Level: Subfunction
Primary Actor: User
Stakeholders and interests:

- User – change between different User Profiles
- Oasis Pro Device – change the current User Profile to a different one and changing the session history to reflect the new current User Profile

Precondition: device is turned on

Main success scenario:

- User presses the Select User button next to a User Profile listed in the user profile section on the device
- Device updates the Session History to reflect that of the selected user
- Device updates the Saved Sessions to reflect that of the selected user