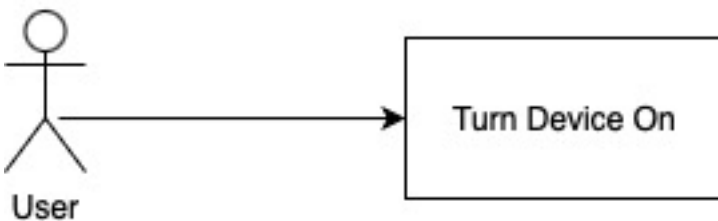
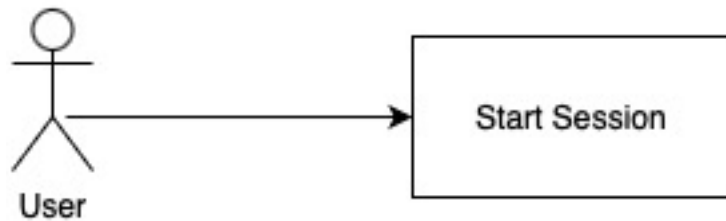


UC-01	Simulate/ Service A HeartWave Machine
<b>Description</b>	Measure, Analyze And Display Heart Rate Variability
<b>Primary Actors</b>	User, HeartWave
<b>Secondary Actors</b>	Heart Rate variability Machine, Heart Rate Monitor
<b>Pre-conditions</b>	1. An Advanced Heart Rate Monitor Is Present
<b>Post-conditions</b>	1. Provide Users With Real Time Biofeedback On Their Coherence Level 2. Provides help for users to reduce stress and achieve a high state of coherence, an optimal psychophysiological state that reflects well being and health
<b>Main Sequence</b>	1. Display Patterns Using A Heart Rate Monitor

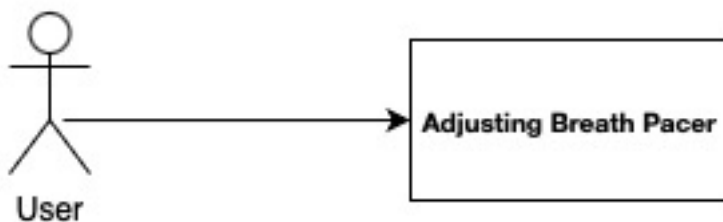


UC-02	Turn Device On
<b>Description</b>	Starting up Heartwave
<b>Primary Actors</b>	User
<b>Secondary Actors</b>	HeartWave
<b>Pre-conditions</b>	1. The device battery must be charged 2. The device is turned off
<b>Post-conditions</b>	1. Device powers on and displays the menu.

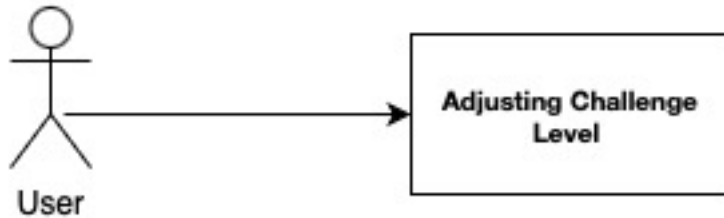
UC-02	Turn Device On
<b>Main Sequence</b>	<ol style="list-style-type: none"> <li>1. User presses the on/off button</li> <li>2. The Device turns on and displays a default menu</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. If the device fails to power on, the user charges the battery</li> </ol>



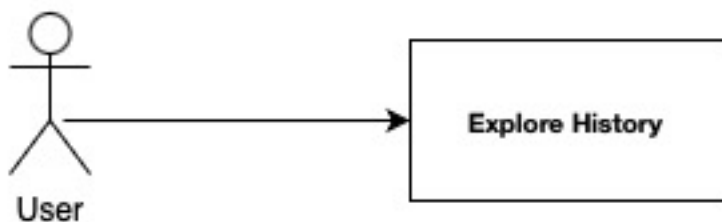
UC-03	Start New Session
<b>Description</b>	Start a new session to monitor Heartrate
<b>Primary Actors</b>	Users
<b>Secondary Actors</b>	HeartWave
<b>Pre-conditions</b>	<ol style="list-style-type: none"> <li>1. The device is turned on</li> <li>2. There is no session currently running</li> </ol>
<b>Post-conditions</b>	<ol style="list-style-type: none"> <li>1. User monitors coherence levels.</li> </ol>
<b>Main Sequence</b>	<ol style="list-style-type: none"> <li>1. A new session is made</li> <li>2. The device loads up the session and displays the HRV graph and key metrics on the screen.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. An Error occurs and the machine is unable to start new session. Alerts HR to come check on patient</li> <li>2. There are no coherence outputs (no breaths available) / the machine cannot read the outputs provided</li> <li>3. The battery is low and a message is displayed to the user</li> </ol>



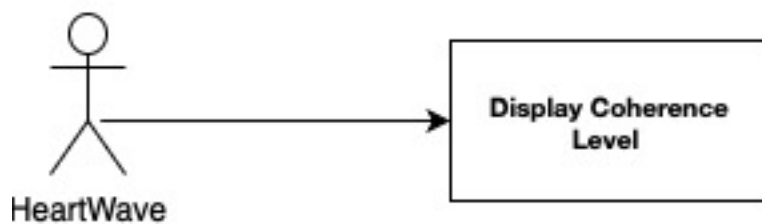
UC-04	Adjusting Breath Pacer Settings
<b>Primary Actors</b>	Users
<b>Secondary Actors</b>	HeartWave
<b>Pre-conditions</b>	<ol style="list-style-type: none"> <li>1. The device is turned on</li> <li>2. User wants to try a new Breath Pacer level</li> </ol>
<b>Post-conditions</b>	<ol style="list-style-type: none"> <li>1. A new breath pacer level is set</li> <li>2. The user is satisfied</li> </ol>
<b>Main Sequence</b>	<ol style="list-style-type: none"> <li>1. User selects the settings tab.</li> <li>2. User selects the breath pacer</li> <li>3. User adjusts the breath pacer interval</li> </ol>



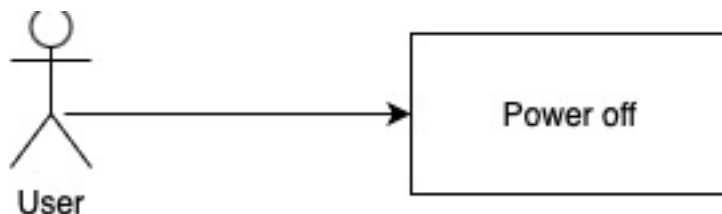
UC-05	Adjusting Challenge Level Settings
<b>Description</b>	User attempts to change challenge level Settings
<b>Primary Actors</b>	Users
<b>Secondary Actors</b>	HeartWave
<b>Pre-conditions</b>	<ol style="list-style-type: none"> <li>1. The device is turned on</li> <li>2. User wants to try a new challenge level</li> </ol>
<b>Post-conditions</b>	<ol style="list-style-type: none"> <li>1. A new challenge level is set</li> <li>2. The user is satisfied</li> </ol>
<b>Main Sequence</b>	<ol style="list-style-type: none"> <li>1. User selects the settings tab.</li> <li>2. User selects the challenge level option</li> <li>3. User adjusts the challenge level</li> </ol>



UC-06	Explore History
<b>Description</b>	User attempts to change challenge level Settings
<b>Primary Actors</b>	Users
<b>Secondary Actors</b>	HeartWave
<b>Pre-conditions</b>	<ol style="list-style-type: none"> <li>1. The device is turned on</li> <li>2. At least one session has been completed</li> </ol>
<b>Post-conditions</b>	<ol style="list-style-type: none"> <li>1. The user observes and analysis the results of the session he has picked</li> </ol>
<b>Main Sequence</b>	<ol style="list-style-type: none"> <li>1. User selects History</li> <li>2. User selects from a list of sessions</li> <li>3. The user selects view session</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. The user clicked delete.</li> <li>2. That session is deleted</li> </ol>



UC-07	Display Coherence Level
<b>Description</b>	Use attempts to change challenge level Settings
<b>Primary Actors</b>	HeartWave
<b>Pre-conditions</b>	<ol style="list-style-type: none"> <li>1. The device is turned on</li> <li>2. The device is in session</li> </ol>
<b>Post-conditions</b>	<ol style="list-style-type: none"> <li>1. The user observes and analysis the results of the session he has picked</li> </ol>
<b>Main Sequence</b>	<ol style="list-style-type: none"> <li>1. User selects History</li> <li>2. User selects from a list of sessions</li> <li>3. The user selects view session</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. An invalid coherence level is received, Heartwave displays message and colour changes to white</li> </ol>



<b>UC-08</b>	<b>Power off</b>
<b>Description</b>	User attempts to change challenge level Settings
<b>Primary Actors</b>	Users
<b>Secondary Actors</b>	HeartWave
<b>Pre-conditions</b>	<ol style="list-style-type: none"> <li>1. The device is turned on</li> <li>2. The user wants to turn off</li> </ol>
<b>Post-conditions</b>	<ol style="list-style-type: none"> <li>1. The device turns off successfully</li> </ol>
<b>Main Sequence</b>	<ol style="list-style-type: none"> <li>1. User presses power button</li> <li>2. The device powers off</li> </ol>