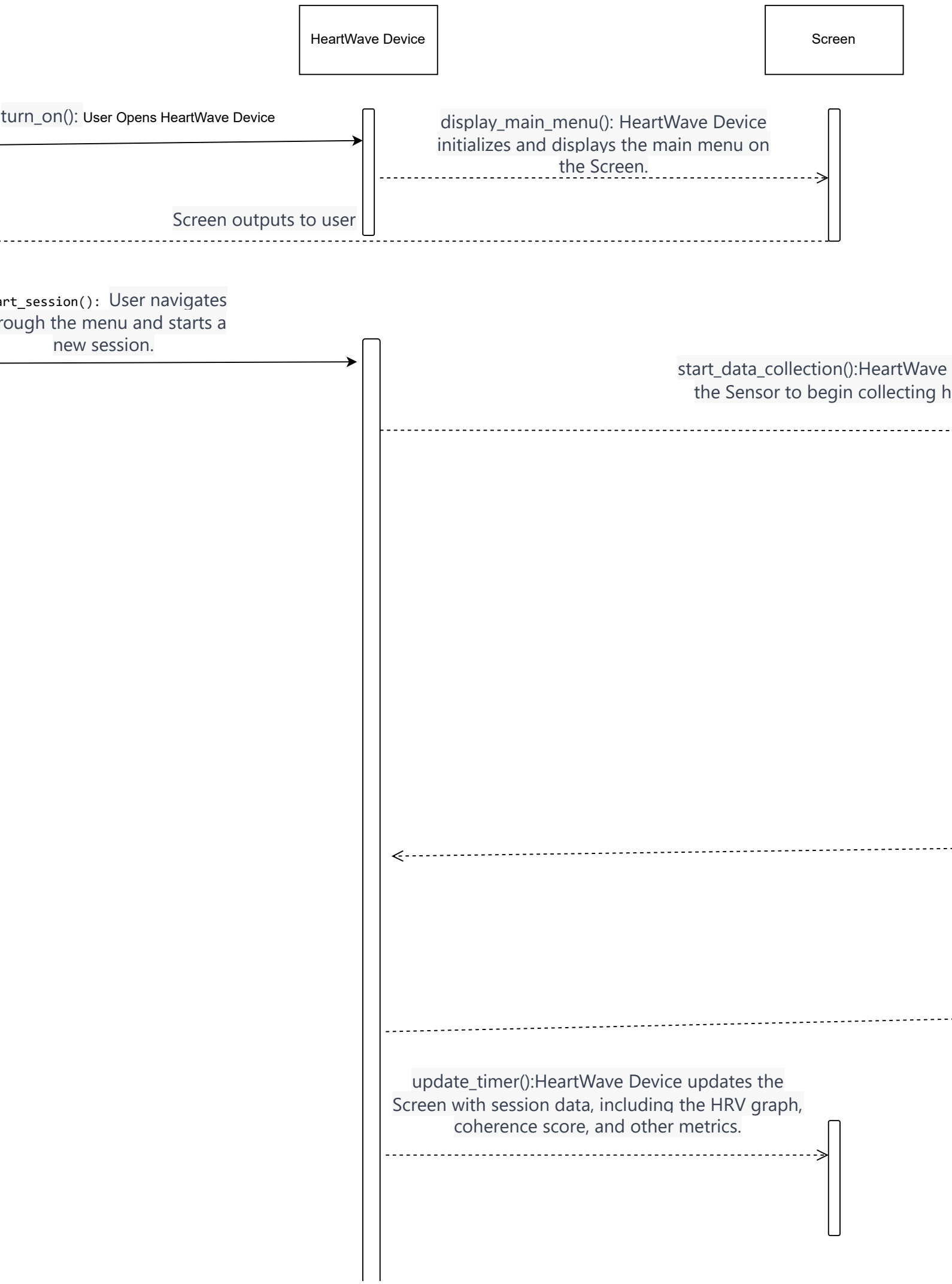
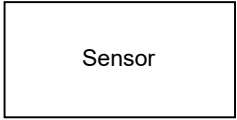


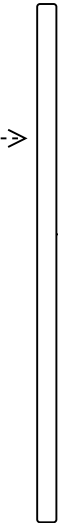
sta
thr







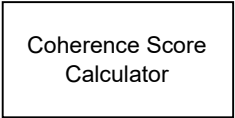
Device activates
heart rate data.



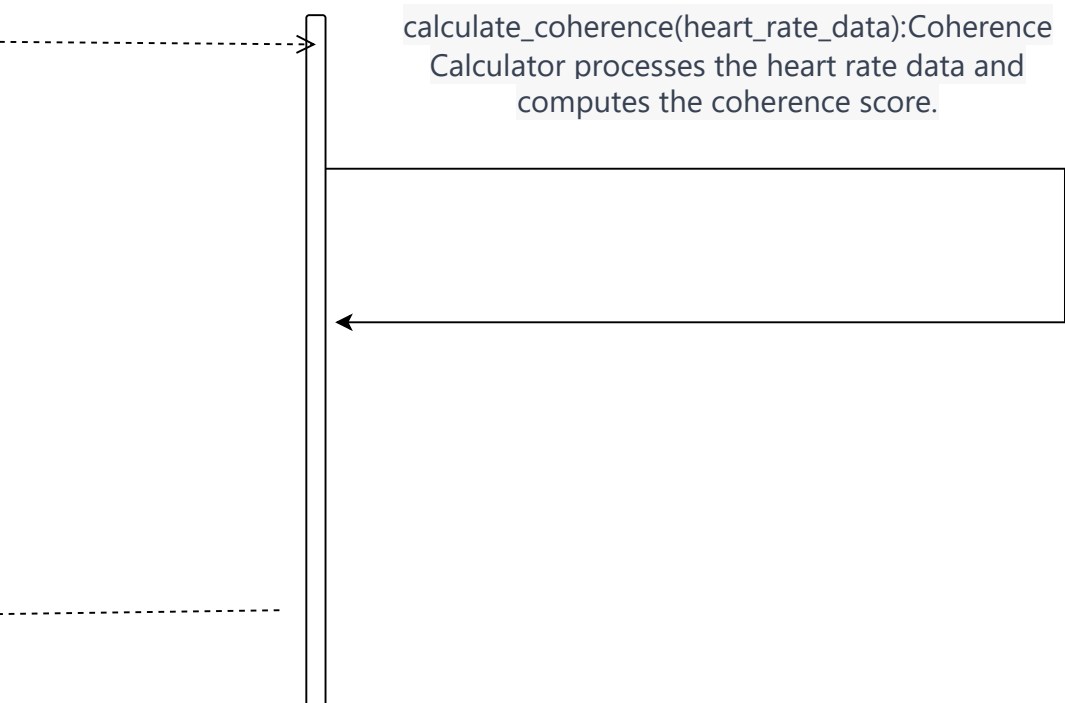
`send_data(heart_rate_data)`: Sensor continuously
sends heart rate data to the Coherence Calculator.

`update_coherence_score(coherence_score)`: Coherence Calculator sends the calculated
coherence score to the HeartWave Device.

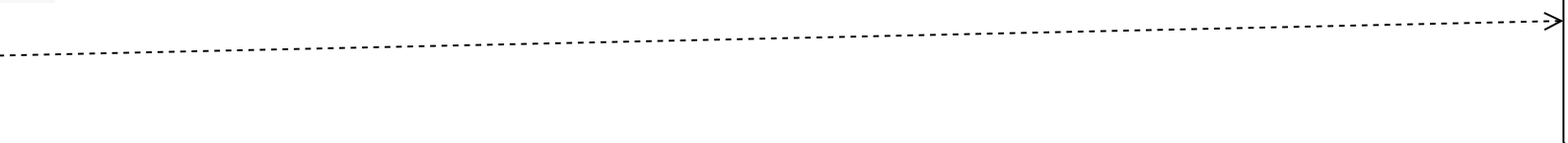
`set_color(coherence_level)`: HeartWave Device updates
score.



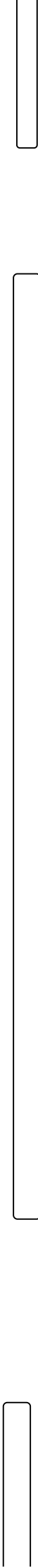
usly
lator.



updates the LED Light color based on the coherence
score.



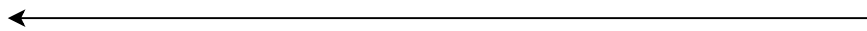
LED LIGHT



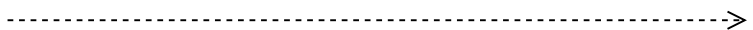
di



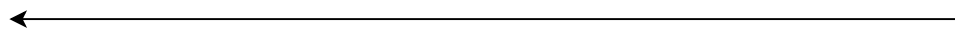
Send's the corresponding battery level to the program



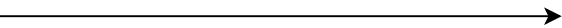
Updates the Corresponding battery level to the screen



Sends a low battery warning to the HeartWave



updatePacer(): Senses the users presence.
rainBattery(): Monitors battery level, and drains
the battery.



to the

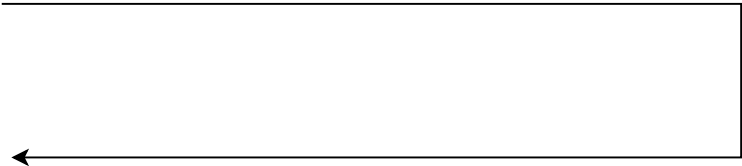


Device



←

Processes the low battery warning.



Sends a notification or alert to the Screen about the low battery.

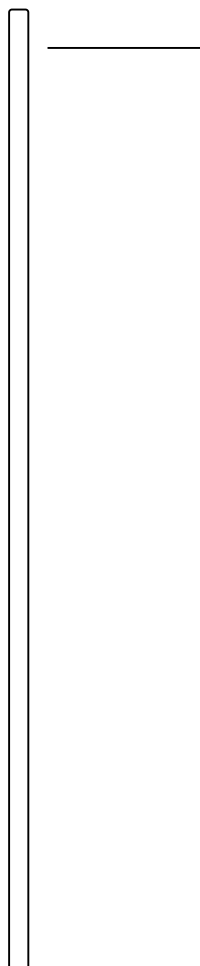


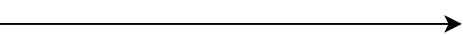
Shows the low battery alert to the user.



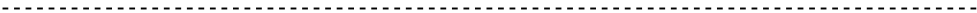
Shows the alert and recharges or replaces the battery.







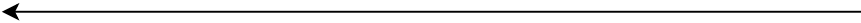
rechargeBattery(): Recharges the battery to its maxium potential



powerChange



updatePacer(): Resumes sending heart rate data to the Heart



update_timer(): Continues processing the heart rate data, calculating the Coherence Score, and updating the Screen.

