Comp 3004: Neureset – Direct Neurofeedback EEG Device

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Use Cases

Use Case 1: Turn Device On

<u>Primary Actor:</u> Device User <u>Scope:</u> Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset <u>Precondition:</u> User has a Neureset Device.

Minimal Guarantees: The device will not turn on if the battery is not charged.

Success Guarantee: The device has been turned on and is waiting on the main menu.

Main Success Scenario:

1. User presses the power button.

2. The device turns on.

Extensions:

2a. The device does not turn on.

• The user tries to charge the battery and if it still doesn't turn on, the device is faulty and the user contacts customer support.

Use Case 2: Turn Device Off

<u>Primary Actor:</u> Device User <u>Scope:</u> Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset

Precondition: User has a Neureset Device that is turned on.

Minimum Guarantees: Nothing happens.

Success Guarantee: The device has been turned off and is no longer consuming power.

Main Success Scenario:

- 1. User pressed the power button.
- 2. The device turns off.

Use Case 3: User Selects a Program

<u>Primary Actor:</u> Device User <u>Scope:</u> Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset

Precondition: User has a Neureset Device that is turned on and is on the main menu.

Minimum Guarantees: The device will turn off if it runs out of battery.

Success Guarantee:

The user has initiated one of the three programs of either:

- Starting a treatment
- Viewing past treatments
- · Change date and time.

Main Success Scenario:

- 1. User navigates through the menu and decides on what they want to do.
- 2. User selects their desired program by pressing a button.
 - a. User has selected to start a new session. Proceed to Use Case 4.
 - b. User has selected to View Past Session. Proceed to Use Case 5/6.
 - c. User has selected to Change Date and Time. Proceed to Use Case 7.

Use Case 4: User Treatment

<u>Primary Actor:</u> Device User <u>Scope:</u> Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset

Precondition:

- User has selected to start a treatment
- EEG electrodes contact is established (indicated by a blue light)

<u>Minimum Guarantees:</u> The device turns off if it runs out of battery or if electrodes are disconnected for too long.

<u>Success Guarantee:</u> The device has completed a treatment and logs the treatment into logged session/past treatments.

Main Success Scenario:

- 1. User contacts the Neureset and EEG electrodes are established.
- 2. User starts a new session.
- 3. Neureset device starts a timer.
- 4. Device displays session progress with an approximate time remaining and a percentage progress bar.
- 5. Electrodes read a signal from one of the 21(7) sites on the headset.
- 6. Device establishes a baseline average frequency.
- 7. Devices add an offset frequency of 5hz to the baseline frequency.
- 8. Device recalculates baseline frequency after the addition of the offset.
- 9. Device repeats step 5 until total offset frequency added is 20hz.

- 10. Repeat step 4 for each of the Electrodes.
- 11. Session ends when the timer reaches zero.
- 12. Device notifies the user that the treatment has been completed.
- 13. Device logs the previous treatment to the database (Past Treatments).

Extensions:

- 1a. Proceed to Use Case 9: Connection Lost Between Electrodes and the Device.
- 2ai. Users can voluntarily pause the session by pressing the pause button.
- 2aii. If contact is not reestablished within 5 minutes of pausing, the device automatically terminates the session and turns off.
- 2b. If the session is interrupted due to external factors (e.g., power outage), the device saves session progress and prompts the user to resume or start a new session upon power restoration.

Use Case 5: User View Past Treatments On Neureset

Primary Actor: Device User

Precondition:

- The device treatment has just concluded
- User selects View Past Treatments from the menu

Scope: Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset

Minimum Guarantee: A blank page is displayed when no previous treatments have been completed.

Success Guarantee: The device will display all the previous treatments completed.

Main Success Scenario:

- 1. Device displays the past treatments with timestamps (date and time).
- 2. User navigates the past treatments using a scroll.
- 3. When the user is done, they can press a different tab.

Use Case 6: User View Past Treatments on PC

Primary Actor: Device User

Precondition:

- The device treatment has just concluded
- User selects View Past Treatments from the menu

Scope: PC Device Level: User Goal

Stakeholders and Interests:

PC User - wants to utilize PC to see baselines of past treatments

Minimum Guarantee: A blank page is displayed when no previous treatments have been completed.

Success Guarantee: The device will display all of the previous treatments completed.

Main Success Scenario:

1. Device displays the past treatments with timestamps (date and time).

- 2. User ensures that the Neureset is plugged into the PC.
- 3. User presses the sync changes button.
- 4. The Neureset will sync with the computer and upload its previous sessions with baselines.
- 5. User can now view past treatments with the timestamp and the starting and end baselines.

Use Case 7: User Changes Time and Date

Primary Actor: Device User

Precondition: User selects Set Time and Date from menu

Scope: Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset

Minimum Guarantee: The time and date remain unchanged on the device.

Success Guarantee: The time and date are changed on the device.

Main Success Scenario:

1. Device displays a time/date to the user.

- 2. The user can input a new time.
- 3. The device updates the display at the new updated time.
- 4. The new time should be reflected within new session logs.

Use Case 8: Battery Low Response of the Device

Primary Actor: Device User

Precondition: The device is low on battery

Scope: Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset

Minimum Guarantee: A blank page is displayed when no previous treatments have been completed.

Success Guarantee: The device will display all of the previous treatments completed.

Main Success Scenario:

- 1. Device battery is low.
- 2. Device battery is updated to showcase low battery.
- 3. Device displays text and audio to tell the user to charge the device.

Use Case 9: Connection Lost Between Electrodes and the Device

Primary Actor: Device User

Precondition:

- The device is performing a treatment
- Connection is lost between Electrodes and the Device

Scope: Neureset Device

Level: User Goal

Stakeholders and Interests:

Neureset User - wants to utilize Neureset

Minimum Guarantee: The device turns off and the session is terminated.

<u>Success Guarantee:</u> The device will continue performing the treatment.

Main Success Scenario:

- 1. Device loses contact with EEG electrodes.
- 2. The device flashes a red light.
- 3. The device pauses the session.
- 4. The display displays an error message and prompts the user to check electrode connections.
- 5. The device starts beeping until contact is reestablished.

Extension:

4a. If contact is not reestablished within 5 minutes, the device automatically turns off, and the session is terminated

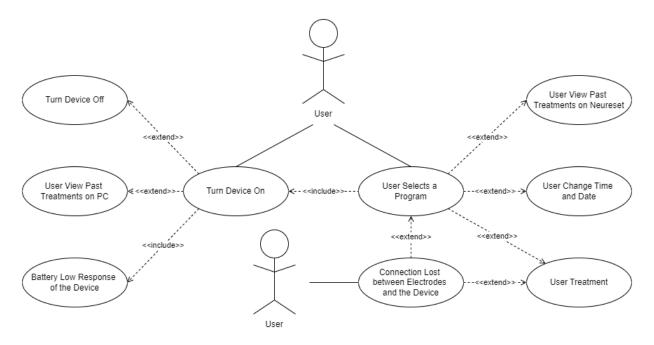


Figure 1: Use Case Diagram

It is mandatory for the user to turn the device on for executing any of the cases.

Design Documentation

All diagrams are in their respective diagram folders under "Diagrams" folder for reference (in GitHub).

- UML Class Diagram
- Sequence Diagram
- State Diagram
- (Use Case Diagram)

UML Class Diagram

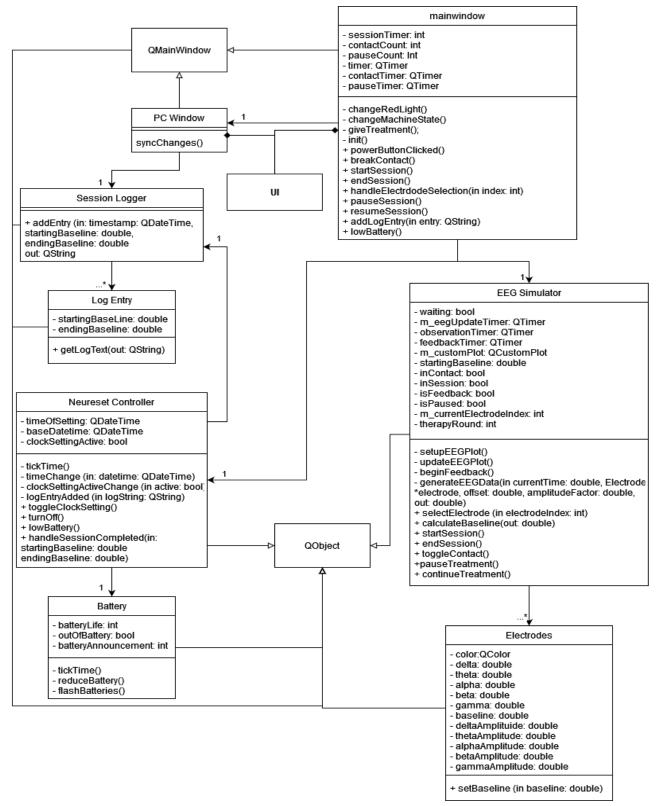


Figure 2: UML Class Diagram

The two main entities are Neureset Controller and EEG Simulator. The EEG Simulator is focused on the EEG waves and the offsets during the main scenario, user treatment. The Neureset Controller is a controller that controls the small entities that make up the device. Not a specific design is implemented but we have separated the functionalities into two: one handling the treatment and one that handles everything else.

Sequence Diagram

UC1: Turn Device On

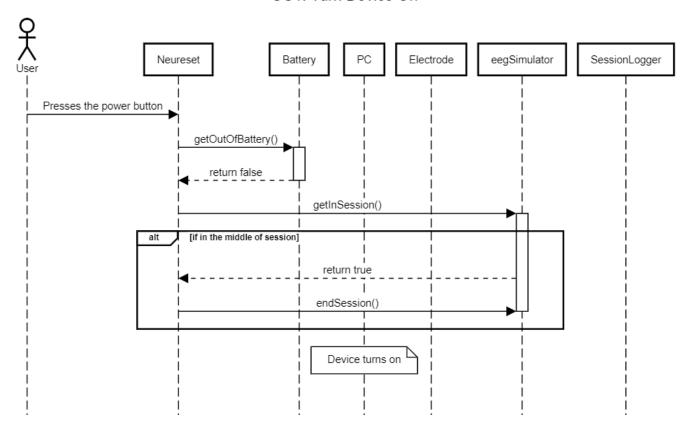


Figure 3 is success scenario of Use Case 1. It is a success scenario when an actor, user, presses the power button and once the device checks that it is not out of battery, it will turn on. One thing to note here is that it is assumed that the device can be turned off in middle of the session so once the device is turned on again, the session will be terminated and need to be restarted.

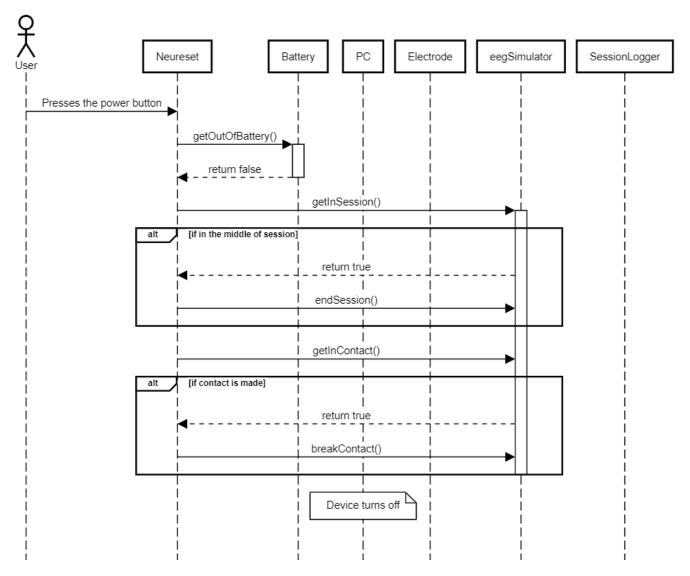


Figure 4 is success scenario of Use Case 2. It is a success scenario when an actor, user, presses the power button and once the device checks that it is not out of battery, it will turn off. One thing to note here is that it is assumed that the device can be turned off in middle of the session and if it does, it will end the session. Also, if contact is made at the point of turn off, the device will break contact with the user.

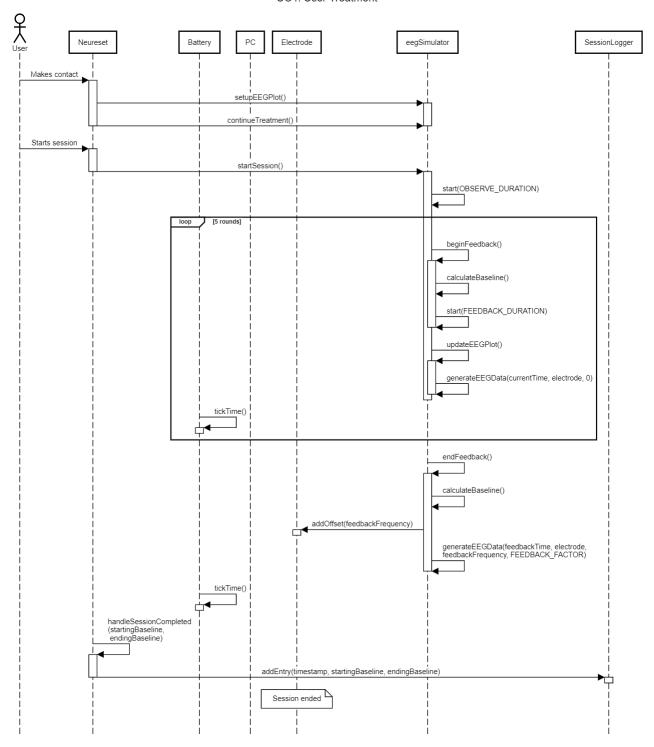


Figure 5 is success scenario of Use Case 4. It is a success scenario when an actor, user, receives treatment. First, the user gets in contact with the device and the corresponding EEG plot and set ups will be in place. Once the user starts the session, the baseline will be calculated, and following offsets will be added every round. After it executes four more times, the final baseline will be outputted, and the final offset will be saved. Then, the session will be added to the log. Note that throughout the treatment, battery is depleted, and it is twice as fast as when not in session.

Neureset Battery PC Electrodes EEG Simulator Session Logger

User clicks on the view History Tab

getLogEntries

UC5: Therapy History Viewing with Neureset

Figure 6 is success scenario of Use Case 5. It is a success scenario when an actor/user presses the view History Tab on the Neureset device. The device will go and ask the session logger which will display all the log entries. Here the log entries only display the date and time of treatments which would be the current time of using the machine or the manually set time had the user set their own time. If there are no log entries, then it will just display a blank page. Within this scenario, we assume that the user has the device powered on and is on the main menu.

UC6: Therapy History Viewing with PC

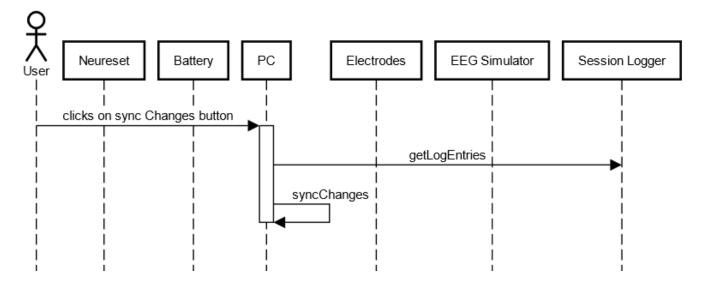


Figure 7 is a success scenario of Use Case 6. It is a success scenario when an actor/user presses the sync change button on the PC. We assume here that the Neureset device is plugged in/mounted onto the PC. The PC will go and ask the session logger for the log entries and then it will sync and display all log entries. Here the log entries have the starting baseline and ending baseline alongside the date and time of treatments which would be the current time of using the machine or the manually set time had the ser set their own time. If there are no log entries, then it will just display a blank page. Within this scenario we assume that the user has the PC powered on.

User clicks on the "Set Clock" tab

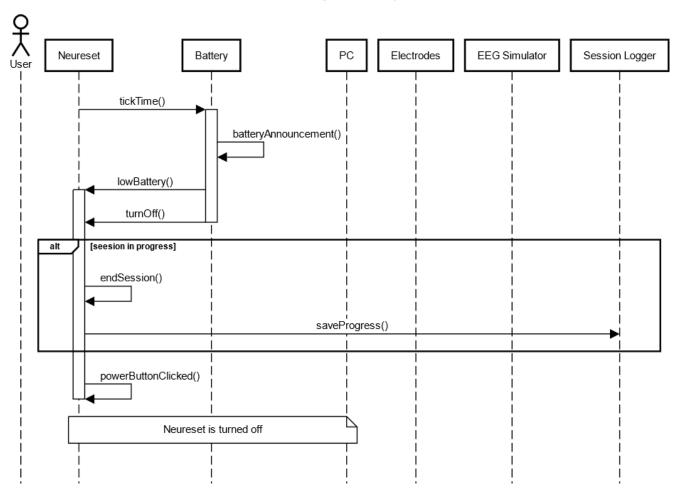
user inputs a date and time

setDateTime
toggleClockSetting

UC7: User Changes Time and Date

Figure 8 is a success scenario of Use Case 7. It is a success scenario when the actor/user presses on the "Set Clock" tab on the menu on the Neureset device. The Neureset will then get its current date and time.

But then if a user inputs a date and time, the Neureset will set the date and time and then toggle (sync) the clock setting for all other features within the Neureset. Within this scenario we assume that the user has the device powered on and on the main menu.



UC8: Battery Low Response

Figure 9 is a success scenario of Use Case 8. It is a safety scenario when the Neureset device is low on battery. Every second, the Neureset will lose battery and more when in use. After a certain threshold of the battery being low, it will announce that the battery is low through audio and text in the device. Eventually, the battery will run out and the device will turn off. If the device is in session while it runs out of battery, it will try to end the session and save progress before powering off.

Note that battery lasts 180 seconds at 100%. When not in session, the battery life goes down by 1 every second and during the session, it is doubled to 2 every second. If the device is off, battery stays constant.

UC9: Connection Lost between Electrodes and the Device

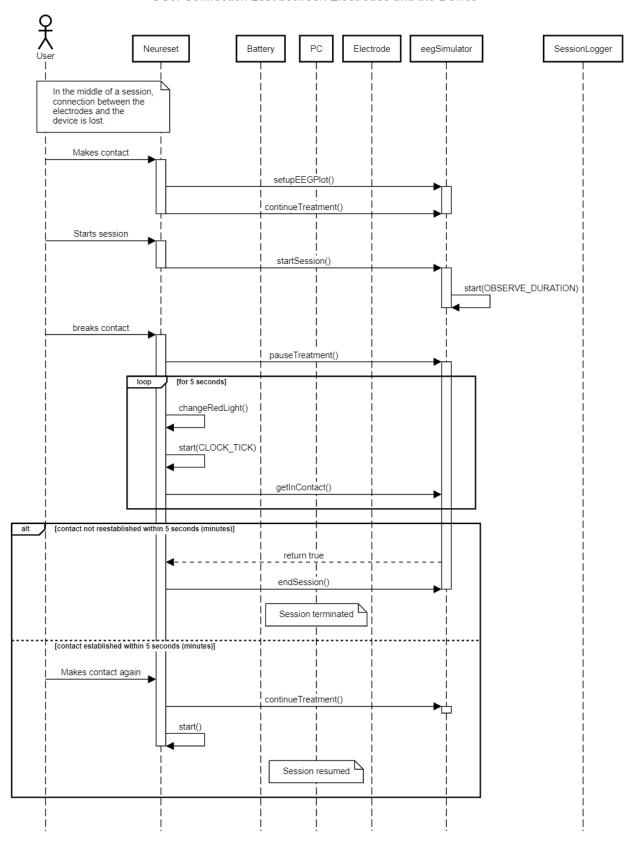


Figure 10 is a success scenario of Use Case 9. It is a safety scenario when the connection between the user and the device is lost. When the user breaks contact with the device in the middle of a session, the treatment is paused, and the red light starts flashing. If the contact is reestablished within 5 seconds (5 minutes in real device), the treatment is resumed. However, if contact is not reestablished within 5 seconds, the session will terminate and it will go back to the main menu, where it prompts the user to contact the device.

State Diagram

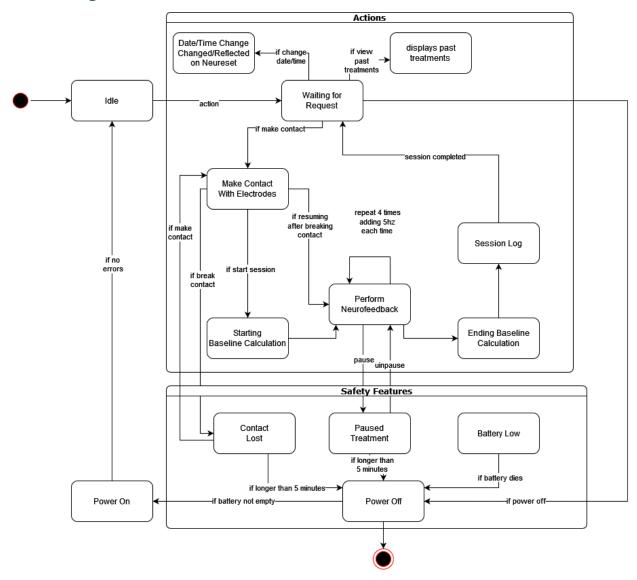


Figure 11 is a state diagram for the Neureset Device for most of the functionalities other than the session log. Note that "Date/Time Change", and display of "past treatments" can be viewed except when in session.

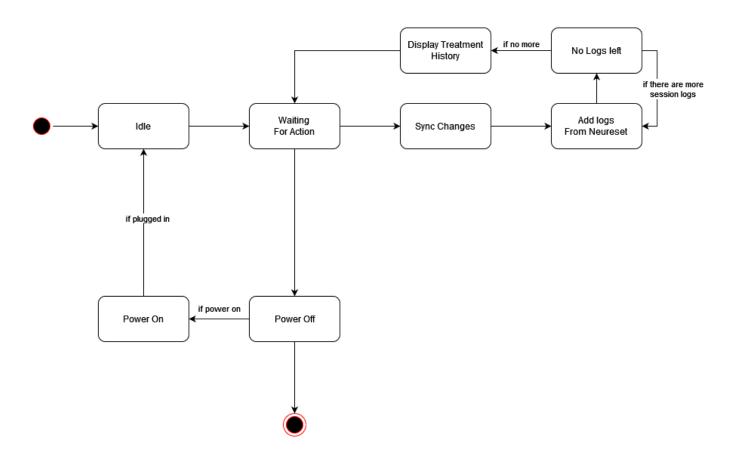


Figure 12 is a state diagram for the connected PC. It will sync session logs and display treatment history on the PC screen.

Traceability Matrix

ID	Requirement	Related Use Case	Fulfilled By	Tested by	Description
1	The Neureset interface contains buttons, display, and electrodes.	N/A	Mainwindow.ui	Run the simulator in Qt. View the UI that is titled "Neureset Device"	Reconstructed the physical Neureset device system using QT's built in UI framework.
2	The PC interface has a button to sync changes and a display for past treatments.	Therapy History Viewing with PC (UC 6)	pcwindow.ui	Run the simulator in Qt. View the UI that is titled "Connected PC"	Reconstructed a PC interface that has a QPushButton that simulates synchronizing the PC Window with the NeuresetController device. This is done because the PCWindow does not have direct access to the SessionLogger object, and must rely on interfacing with the NeuresetController to extract the LogEntry data objects.
3	The application battery level is dependent on time and whether the device in is session or not.	Turn Device On (UC 1) Battery Low Response (UC 8)	Battery, Neureset Controller	Run the simulator in Qt. In the "Neureset Device" UI, view the battery in the bottom right when the device is turned on – will visually go down as well as gives updates for every 10% decrease in the output logs	Used QTimer to track time passed, whenever time passes, the battery is decreased starting from 3 minutes going down every second. If the device is off, battery level will not change, if on but not in session, will go down by one and if in session then the battery will go down twice as fast.
4	Treatment cannot start unless user	User Treatment (UC 4)	Mainwindow.ui Electrode, EEG simulator, Neureset Controller	Run the simulator in Qt. In the "Neureset	Tracks if contact is made through the "make contact" / "break contact" button which will be toggled to one or the

	1	1	1	I 	I
	has contacted			Device" UI,	other (based on if contact is
	the electrodes.			view how the	made). If contact is not made,
				start session	button to start a session will be
				button	disabled and the user will not be
				cannot be	able to start a session.
				pressed till	
				contact is	
				made by the	
				user by	
				pressing the	
				make contact	
				button.	
5	Treatment	User	Mainwindow.ui	Run the	The QTimer::singleShot() API
3		Treatment	Neureset Controller	simulator in	provided by the Qt library is used
	displays the progress of the		EEG Simulator		to create treatment sessions.
		(UC 4)	EEG SIIIIUldlui	Qt. In the	to create treatment sessions.
	treatment with			"Neureset	Cina a than a see a lease.
	a bar and a			Device" UI,	Since there are always only one
	timer.			first make	treatment session happening at
				contact and	a given time, the simplistic
				then start a	interface provided by the
				session. View	QTimer::singleShot function is
				how when a	a good enough abstraction that
				session is	satisfies all of our requirements.
				started, a	A singleShot timer is started to
				progress bar	track the treatment progress (no
				and timer will	need for manual
				appear	multithreading).
				displaying	G,
				the progress	
				of the	
				treatment as	
				well as the	
				time	
				remaining in	
				the	
				treatment.	
6	The treetment	User	Mainwindow.ui	Run the	The EEGSimulator keeps treek of
٥	The treatment				The EEGSimulator keeps track of a list of "state variables" like
	will only	Treatment	Neureset Controller,	simulator in	
	progress when	(UC 4)	EEG Simulator,	Qt. In the	inContact, inSession,
	the user has		Electrode	"Neureset	isFeedback, isPaused,
	contact with			Device" UI,	therapyRound, etc
	the electrodes.			before the	
				session, the	The inContact state variable in
				graph will	particular is used to track
				'flatline'	whether or not the treatment
				indicating	should progress.
				that contact	
				is not	
	1		1	1	

7	The treatment will stop progressing if the user has elected to pause the treatment.	User Treatment (UC 4)	Mainwindow.ui Neureset Controller, EEG Simulator	present. Click 'make contact' button and the electrodes will be in contact with the user and the graph will display waves. Run the simulator in Qt. In the "Neureset Device" UI, when in a session (same process as above) view how when the pause session button is clicked, the timer, progress bar and treatment will all pause.	We make use of a polling mechanism that polls the status of this state variable on every clock tick to ensure that treatment pauses as expected on contact lost. Once the break contact in Mainwindow.ui is pressed the EEG Simulator will puaseTreatment(). The QTimer for the session and the treatment bar will stop. The clock is still going, Battery is still depleted, and the Electrodes are still being simulated.
8	The treatment will stop if the user breaks contact with the electrodes	User Treatment (UC 4) Connection Lost between Electrodes and the Device (UC 9)	Mainwindow.ui Neureset Controller, EEG Simulator, Electrode	Run the simulator in Qt. In the "Neureset Device" UI, when in a session (same process as above) view	A turnary operator is used in `eegValue = inContact? generateEEGData(currentTime, electrode, 0): 0; `to manually override the EEG signal values to "0" to simulate contact loss (a.k.a flat-lining). Once the break contact in Mainwindow.ui is pressed the EEG Simulator will pause

how there is an end session button that is available for users to end a session whenever they want. When clicked, the session treatment	
will end.	
10 Device N/A Electrode, Run the The 7 electrodes can b	e viewed
supports 7 EEG Simulator, simulator in from the drop-down m	
algebra des and Mainwindowwii provided by Mainwindo	
each of the Electrode Qt. In the EEG Simulator simulat	WALLE LIND

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change QRandomGenerator::global()-> between the bounded() to simulate random		Odillila				[20.30112]
change QRandomGenerator::global()-> between the bounded() to simulate random						This is achieved using
					_	_
electrodes brainwave frequencies, while					between the	
					electrodes	brainwave frequencies, while

			using the dropdown and see that they are all different. When a session is started you can also see more specifics on the waveforms printed in the program output.	also reading each electrode's configured public member variables to determine the MAX_AMPLITUDE and MIN_AMPLITUDE for the sin wave generation.
A realistic EEG waveform is displayed during the treatment process	N/A	Mainwindow.ui Neureset Controller, EEG Simulator, Electrode	Run the simulator in Qt. In the "Neureset Device" UI, when contact is simulated to the device and a session is in progress, there is a waveform displayed as well as a yellow overwritten wave when treatment is in progress showing the waveform during the treatment process.	In the "defs.h" a constant called NOISE_FACTOR can be configured to increase or decrease the noise level artificially induced into the system. The Electrode class then makes use of QRandomGenerator::global()->generateDouble() * NOISE_FACTOR to simulate noise, causing the waveforms to appear more organic and realistic.

13	During therapy	N/A	Neureset Controller,	Run the	This is done by the
13	output to		EEG Simulator,	simulator in	EEGSimulator. The
	console device		Electrode	Qt. In the	EEGSimulator interfaces with
	activities such		2.000,000	"Neureset	the NeuresetController to
	as processing			Device" UI,	simulate therapy sessions.
	input			when a	Simulate therapy sessions.
	waveform,			session is in	For example, the EEGSimulator
	calculating			progress	emits a "sessionCompleted"
	dominant			(following the	signal to the controller to
	frequency,			same steps	indicate when a session has
	delivering the 1			as above), if	completed successfully.
	sec feedback			you look at	completed successibility.
	at 1/16 of			the console	
	dominant +			output during	
	offset,			the session,	
	round 1 of			the session,	
	therapy, round			calculations	
	2 of			as well as the	
	therapy,,			step in the	
	therapy			treatment are	
	finished.			all outputted.	
14	Adjustment of	User	Neureset Controller,	Run the	In "defs.h", there exist several
	therapy timing	Treatment	EEG Simulator,	simulator in	config constants such as
	for testing: one	(UC 4)	Electrode	Qt. In the	OBSERVE_DURATION and
	round in a	(00.)		"Neureset	FEEDBACK_DURATION which
	treatment is 5			Device" UI,	are respected by the
	sec for			when in a	EEGSimulator class.
	analysis			session	
	instead			(same steps	The QTimer settings are set
	of 60sec, 1 sec			to start a	dynamically based on these
	feedback and			session), in	constants.
	final analysis			the console	
	of 5 sec for a			there will be	To change the timing of each
	total of 29sec			specifics of	therapy component, simply
	(4 rounds *6			what is	update "defs.h" and recompile.
	sec + 5)			happening in	
	-			the session	
				which is in	
				sync with the	
				timer and	
				progress bar	
				displayed in	
				the UI.	
15	Before any	N/A	Electrode,	Run the	The EEGSimulator has multiple
	neurofeedback		Neureset Controller	simulator in	state variables to keep track of
	is done, the			Qt. In the	the current state of the
	device will			"Neureset	simulation.
	have a starting			Device" UI,	

			T	ı	
	baseline			when in a	One of the parameters tracked is
	calculation for			session	the baselines of each electrode
	each of the			(same steps	during the therapy.
	waveforms			as before),	
				the output in	
				the console	
				will output	
				the baselines	
				for each	
				electrode.	
16	After	N/A	Electrode,	Like in the	The EEGSimulator collects the
	neurofeedback		Neureset Controller	test above	dominant freqs of each
	is done, the			this, using	Electrode by calling the
	device will			the same	getDominantFrequency()
	have an ending			steps to start	function of each electrode.
	baseline			the session,	
	calculation for			when the	Then, the EEGSimulator
	each of the			session	executes the
	waveforms.			finishes, the	calculateBaseline() function
				ending	which uses the simplified
				baselines will	formula found in
				automatically	
				be displayed	NeuresetTesting.pdf to compute
				in the	an approximate ending baseline.
				console	
				output.	
17	After the	User	Sessionlogger,	Like in the	A signal-slot mechanism is
	therapy is	Treatment	Neureset Controller,	test above	deployed to handle this one.
	complete, the	(UC 4)	Log Entry,	this, using	
	device will log	Therapy	EEG Simulator,	the same	Notice `void
	the completed	Viewing		steps to start	sessionCompleted(double
	treatment to	with		the session,	startingBaseline, double
	be recorded.	Neureset		after the	endingBaseline);`as the signal
		(UC 5)		session	definition in EEGSimulator.
		Therapy		finishes, the	
		History		ending	This signal is connected to the
		Viewing		baselines will	NeuresetController's `void
		with PC		automatically	handleSessionCompleted()`
		(UC 6)		be displayed	slot.
				in the	
				console	
				output and	
				recorded into	
				the session	
				logs on the	
				computer	
				which can be	
				Willion Can bo	l l

		1	T	1 "	T
				"Connected	
				PC" UI after	
				syncing it.	
18	The user can	Therapy	Sessionlogger,	Run the	The NeuresetController
	view a history	Viewing	Neureset Controller,	simulator in	contains an instance of
	of treatments	with	Log Entry,	Qt. In the	SessionLogger, which in turn
	on Neureset	Neureset	Mainwindow.ui	"Neureset	contains a list:
	Device	(UC 5)		Device" UI, when	QVector <logentry>.</logentry>
				treatments	This SessionLogger instance
				are finished,	serves as the single source-of-
				the history of	truth for both the Neureset
				treatments	device as well as the PC Window
				can be	view.
				viewed by	Note that the Neureset Device
				clicking on	only display the timestamp of
				the "view	the completed treatment and
				history"	none of the starting or ending
				button. This	baselines,
				will display	
				history of	
				treatments	
				on the	
				current	
				Neureset	
				Device.	
19	The user can	Therapy	Sessionlogger,	Run the	When trying to access the
	view a history	History	Neureset Controller,	simulator in	history of treatments on the PC.
	of treatments	Viewing	Log Entry,	Qt. In the	PC will first have to sync the logs
	on connected	with PC	Pcwindow.ui	"Connected	with the Neureset device. The
	PC	(UC 6)		PC" UI after	pcwindow has a SessionLogger
				running	as well which will turn contains a
				sessions and	list: QVector< LogEntry>.
				syncing them	This SessionLogger instance
				(using the	serves as the single source-of-
				sync changes	truth for both the Neureset
				button), the	device as well as the PC Window
				history of all session ran	View.
					Note that in the PC viewing the
				on the	history of treatments will include
				current	the starting baseline and an ending baseline
				Neureset	enumg baseune
				Device will	
				be displayed for the user	
				to see.	

20	The device has a low battery indicator	Battery Low Response (UC 8)	Battery, Mainwindow.uiNeureset Controller	Run the simulator in Qt. In the "Neureset Device" UI, when the battery reaches 20%, there will be an indicator in the bottom left of the UI as well as console output as the battery is decreasing (for every 10%).	The battery QObject gets updated by ticktime() every second and eventually calls a function lowBattery() which has an announcement after a certain threshold which includes an audio and text in the mainwindow.ui.
21	The device becomes non-functional when the battery level reaches	Battery Low Response (UC 8)	Battery, Mainwindow.uiNeureset Controller	Run the simulator in Qt. In the "Neureset Device" UI, when the battery is at 0% (out of battery), the Neureset Device will automatically turn off and display that there is no battery left in the console as well as the flashing battery symbol indicator.	The battery QObject gets updated by ticktime() and eventually calls a function turnOff() which will turn the device off. The device then goes through its stages of trying to power off the device. If the device is in session while it runs out of battery, it will try to end the session and save the progress before powering off.
22	The user can manually set the date and time of the Neureset device	User Changes Time and Date (UC7)	Mainwindow.ui Neureset Controller	Run the simulator in Qt. In the "Neureset Device" UI, to change the time from the	The clock starts with a QDateTime which is set to the current date and atime that matches the system. The user can manually set date/time with an input of a QDateTime . The Neureset will set the new date

		default time,	and time and then toggle (sync)
		you can go to	the clock setting for all other
		the "Set	features within the Neureset
		Clock" tab	such as the timestamps for
		and then	completed treatments.
		choose the	
		time you	
		want to set	
		the device to	
		and click "Set	
		Clock". This	
		will update	
		the time in	
		the clock	
		displayed as	
		well as in the	
		device	
		session	
		history.	