

TEAM 46

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Work Done

Damilola and Rawan worked on the front-end which included GUI and connecting the slots in MainWindow all done in Qt.

Victor and Edi worked on back end and code Design.

Everyone worked together to merge both ends together.

File Organization

```
|— 3004Project.pdf
|— ReadMe.txt
|— cpp
|   |— Battery.cpp
|   |— Connection.cpp
|   |— Machine.cpp
|   |— main.cpp
|   |— mainwindow.cpp
|   |— Power.cpp
|   |— Session.cpp
|— h
|   |— Battery.h
|   |— Connection.h
|   |— Machine.h
|   |— mainwindow.h
|   |— Power.h
|   |— Session.h
```

Test Scenarios

-change battery level for testing

updateBattery(int) can be used to change battery levels for testing.










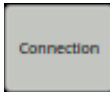

-change the connection status for testing(excellent, okay, no connection)

-power off in no session is selected in 2 mins











After durat

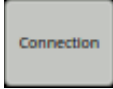

Code breakdown

To run a session





1. Press the power on button  to start the machine.
2. Choose a duration between (20 min , 45 min  or User designated ) then click the select button .
3. Select a type between , , ,  then press on any of the numbers between 1 - 8 to choose intensity, then press the select button.
4. Click the connection button , to see the strength of connection. If the connection is green or yellow then you can select ok. If the connection is red, the session won't run until the connection is fixed.
5. If connection is yellow or green, press the select button  to start the session.

To record a session

1. Press the power on button  to start the machine.
2. Choose a duration between (20 min , 45 min  or User designated ) then click the select button .
3. Select a type between , , ,  then press on any of the numbers between 1 - 8 to choose intensity, then press the select button.
4. Press on the record button .

5. Click the connection button , to see the strength of connection. If the connection is green or yellow then you can select ok. If the connection is red, the session won't run until the connection is fixed.
6. If connection is yellow or green, press the select button  to start the session.
7. After the session is done, the recorded session will appear on the screen.

To Replay a Session

1. Press the power on button  to start the machine.
2. Select the recorded session you would like to replay on the display, click the replay button  then press the select button
3. Click the connection button , to see the strength of connection. If the connection is green or yellow then you can select ok. If the connection is red, the session won't run until the connection is fixed.
4. If connection is yellow or green, press the select button  to start the session.