Video demo
https://www.youtube.com/watch?v=xdZD85LBHXs

Folders
docs: contains the use cases, traceability matrix, and sequence diagrams.
scr: contains the source code for the project.
images: contains images of the UI.
data: contains the data sets of heart rate data used in the code.

Classes
mainwindow: The main window of the application, acts as the control of the application
heartratesensor: Simulator of an actual heart rate sensor, holds heart rate dataset
session: Handles calculations of session informations (e.g., coherence score, data plotting, etc)
qcustomplot: widget for plotting and data visualization
menuitemstyle: item delegate class to paint HTML into the menu list items

Team Members' Contributions:

Michael Bradley: Use cases 5,6; Sequence diagrams 5,6; Heart rate graphing functions (session and summary); Use case diagram; Worked on: traceability matrix, class diagram, bug fixes (including memory leaks), heart rate sensor and session functionality.

Zachary Call: Use Cases: 1,3,4, sensor off; Sequence diagrams: 1,3,4; receiving/not receiving heartrate data implementation; collection of real life heartrate data (3 samples); design and implementation of coherence score algorithm; bug fixes.

Taha Rhidouani: UI design & menu interface logic; startup & shutdown routine; undo button logic; history menu; settings menu; bug fixes; sensor off use case.

Jared Tarnocai: Use Cases: 2,7,8,9; Sequence diagrams: 2,7,8,9,10; session summary view implementation; Worked on: traceability matrix, class diagram, coherence score algorithm, bug fixes.