CS 6460: Threem Team Final Project

Directory structure:

Path	What does it contain?
~/	Everything (including this file)
~/src/	All code
~/src/server/	Server-side API code
~/src/shared/	Anaconda environment files
~/src/mobile_app/SCI Recovery/	iOS project
~/src/mobile_app/SCI Recovery/SCI Recovery/	Core iOS Swift code
~/src/ml/	All ML code
~/src/ml/notebooks/	ML ad hoc research code
~/src/ml/modelling/	ML training, testing, and feature importance code
~/src/ml/modelling/pickles/	ML model training outputs
~/src/ml/modelling/plots/	ML feature importance graphs
~/src/ml/data/	ML data handling and transformation code
~/src/ml/data/csvs/	Raw dataset
~/src/ml/data/docs/	Raw dataset documentation
~/src/ml/data/utils/	Commonly used utilities for data handling and transformation

How to run everything (the easy way):

The easiest way, by far, is to get the iOS application:

1. Get access to an iOS device running version 13+
2. Download Apple's official TestFlight application from the app store
3. Visit https://testflight.apple.com/join/qWvhNwVF
4. Click "Start Testing" on the page to download the SCI application
5. Open and use the mobile application

How to run everything (the hard way):

Please see the detailed instructions in ~/README.md to run everything locally across two computers. You will need either an Ubuntu or Windows computer with Git and Anaconda (or Miniconda) to run the machine learning and server-side code. To run the iOS application, an OS X computer with Xcode and Cocoapods is required.