**Neurosity Project – Liam Bennett (ID E10952736)**

**EEG Data Sharing Website**

**Goal:**

The goal of the website is to provide a forum where users of Neurosity Crown headsets can share eeg data for analysis and provide feedback or comments of other users data. The website provides background information on the Crown Headset and on ‘kinesis’ the theory whereby imagined thoughts can be replicated and hence used as a switch. The long term goal of this would be to facilitate people who are seriously disabled to use the headset as a switch to for example turn on a light, television etc.. The website then provides a forum where users can upload their neurosity generated cvs files and have access and can download csv files uploaded by other users by subscribing to them on the system. **Access to CSV files can be slow to open due to the size of these files.** For ease of use the users uploaded have all used 1234 as the password.

**Working Files**:

App.py: The main python file controlling the website and linking with the eight HTML files.

Models.py: outlines the classes that are used in the program namely:

* Users
* Datasets
* Subscriptions
* Comments

Config.py: Provides the link to **the postgres database ‘analysis’**.

Templates;

* Index.html
* Login.html
* Logout.html
* Register.html to allow users to register for the site and be able to login to the datasets.
* Neurosity.html provides an introduction to Neurosity Crown.
* Kinesis.html which discusses kinesis and its potential use, video attached.
* SearchDatasets.html allows users to access, view and download datasets uploaded.
* Show\_csv\_data.html which allows users to see the detailed eeg signal readings.

Static Files:

* CSS: Main3.css is the style format file for the program
* Javascript: showing the data.
* Images: containg all the image and video files used with neurosity and kinesis htmls.
* Uploads: contains all the csv files uploaded. These are large files so can be slow to open.

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**EEG Data Sharing Website -2**

**List of Sources**:

The sources for the above page are:

* Neurosity Crown Website - <https://neurosity.co>
* Neurosity Development Website -    https://support.neurosity.co/hc/en/articles

**Folders Used:**

Neurosity\_Project: App.py

Models.py

Config.py

Documents Neurosity\_Project Analysis Sheet

Static CSS main3.css

JavaScript showData.js

Images Crown-headset.jpg

Motor\_cortex.webp

The-Standard-10-20-electrode-placement.png

Correctly\_positioned\_crown.webp

Videoframe\_11635.png

Templates Base.html

index.html

register.html

login.html

Logout.html

Neurosity.html

Kinesis.html

Search\_Datasets.html

Show\_csv\_data.html

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**EEG Data Sharing Website -3**

**Site Plan – Neurosity Data Sharing Website:**

**HOME**

**NEUROSITY KINESIS LOGIN LOGOUT REGISTER**

**LOGIN -**

**UPLOAD DATASETS SEARCH OTHER DATASETS**

**SUBSCRIBE TO OTHER USER DATASETS**

**USER DATASETS & UNSUBSCRIBE**

**SUBSCRIBED DATASETS**

**SHOW DETAILED DATA**

**(INCLUDING CHARTNG IN GRAPHICAL FORMAT)**

**ADD COMMENTS ON DATA DELETE DATASETS(BY OWNER)**

**EDIT DATA DESCRIPTION**

**LOGOUT**

**USE *‘HOME*’ BUTTON TO GO BACK A STEP**

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**EEG Data Sharing Website -4**

**Wire Frame -- Neurosity Project Website:**

|  |  |  |
| --- | --- | --- |
| **HEADER – The heading of each page included here.**  **NAVIGATION**   |  |  | | --- | --- | |  | **CONTENT**  **The main content of each page included here** | |

**Hosting on GITHUB and Render.com**

**The URL for my website is as follow:**

**https://neurosity-project.onrender.com**