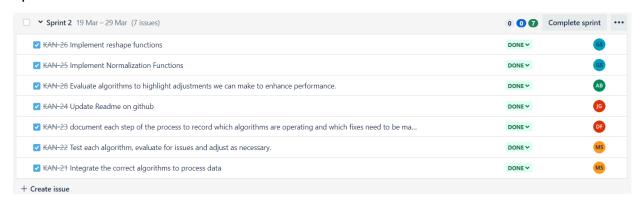
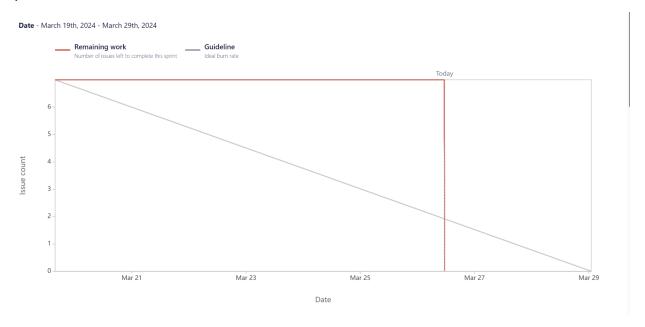
# 1. Executing Sprint 2

# **Sprint 2 User Stories**



## Sprint 2 Burndown Chart



# 2. Demonstrating Sprint 2

Screenshots of working tests - Done through Pair programming

```
Filter length: 497 samples (3.310 s)
[Parallel(n_jobs=1)]: Done 17 tasks
[Parallel(n_jobs=1)]: Done 71 tasks
[Parallel(n_jobs=1)]: Done 161 tasks
[Parallel(n_jobs=1)]: Done 287 tasks
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
ok
                                                                                                                                        0.0s
0.1s
0.2s
                                                                                                         elapsed:
                                                                                                        elapsed:
ONS C:\Users\jakeg\Documents\School\Spring 2024\SSW 555\SSW555-Group22> git add. git: 'add.' is not a git command. See 'git --help'.
  - Lower passband edge: 1.00
- Lower transition bandwidth: 1.00 Hz (-6 dB cutoff frequency: 0.50 Hz)
- Upper passband edge: 30.00 Hz
- Upper transition bandwidth: 7.50 Hz (-6 dB cutoff frequency: 33.75 Hz)
- Filter length: 497 samples (3.310 s)
[Parallel(n_jobs=1)]: Done 17 tasks
[Parallel(n_jobs=1)]: Done 71 tasks
[Parallel(n_jobs=1)]: Done 161 tasks
[Parallel(n_jobs=1)]: Done 287 tasks
                                                                                                           elapsed:
elapsed:
                                                                                                                                      0.0s
0.0s
                                                                                                        | elapsed:
| elapsed:
                                                                                                                                       0.1s
0.2s
ok
testPlotEvents (AlexTest.testData.testPlotEvents) ... Opening raw data file C:\Users\jakeg\mne_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif...
Read a total of 4 projection items:
PCA-V1 (1 x 102) idle
PCA-V2 (1 x 102) idle
PCA-V3 (1 x 102) idle
PCA-V3 (1 x 102) idle
Average EEG reference (1 x 60) idle
Range: 6450 ... 48149 = 42.956 ... 320.665 secs
Readv.
Range . 0+30 ...
Ready.
Ready.
Reading 0 ... 41699 = 0.000 ... 277.709 secs...
Filtering raw data in 1 contiguous segment
Setting up band-pass filter from 1 - 30 Hz
FIR filter parameters
Designing a one-pass, zero-phase, non-causal bandpass filter:
- Windowed time-domain design (firwin) method
- Hamming window with 0.0194 passband ripple and 53 dB stopband attenuation
     Lower passband edge: 1.00
Lower transition bandwidth: 1.00 Hz (-6 dB cutoff frequency: 0.50 Hz)
    Upper passband edge: 30.00 Hz
Upper transition bandwidth: 7.50 Hz (-6 dB cutoff frequency: 33.75 Hz)
Filter length: 497 samples (3.310 s)
```

Ln 100, Col 1 Spaces: 4 UTF-8 CRLF {} Python 3.12.2 ('.venv': venv) Q

```
FIR filter parameters
Designing a one-pass, zero-phase, non-causal bandpass filter:
- Windowed time-domain design (firwin) method
- Hamming window with 0.0194 passband ripple and 53 dB stopband attenuation
    Lower passband edge: 1.00
Lower transition bandwidth: 1.00 Hz (-6 dB cutoff frequency: 0.50 Hz)
  - Upper passband edge: 30.00 Hz
- Upper transition bandwidth: 7.50 Hz (-6 dB cutoff frequency: 33.75 Hz)
- Filter length: 497 samples (3.310 s)
[Parallel(n_jobs=1)]: Done 17 tasks
[Parallel(n_jobs=1)]: Done 71 tasks
[Parallel(n_jobs=1)]: Done 161 tasks
[Parallel(n_jobs=1)]: Done 287 tasks
319 events found on stim channel STI 014
                                                                                | elapsed:
| elapsed:
| elapsed:
                                                                                                        0.0s
                                                                                                        0.0s
0.1s
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
ok
testEEG3 (AlexTest.testData.testEEG3) ... Opening raw data file C:\Users\jakeg\mne_data\WWE-sample-data\WEG\sample\sample_audvis_filt-0-40_raw.fif...
Read a total of 4 projection items:
PCA-v1 (1 x 102) idle
PCA-v2 (1 x 102) idle
PCA-v3 (1 x 102) idle
PCA-v3 (1 x 102) idle
Average EEG reference (1 x 60) idle
Average EEG reference (1 x 60) idle
Range: 6450 ... 48149 = 42.956 ... 320.665 secs
Reading 0 ... 41699 = 0.000 ... 277.709 secs...
Filtering raw data in 1 contiguous segment
Setting up band-pass filter from 1 - 30 Hz
 Reading 0 ... 41699 =
 FIR filter parameters
 Designing a one-pass, zero-phase, non-causal bandpass filter:
  - Windowed time-domain design (firwin) method
- Hamming window with 0.0194 passband ripple and 53 dB stopband attenuation
   Lower passband edge: 1.00
 Reading 0 ... 41699 =
Filtering raw data in 1 contiguous segment
Setting up band-pass filter from 1 - 30 Hz
 FIR filter parameters
 Designing a one-pass, zero-phase, non-causal bandpass filter:
   Windowed time-domain design (firwin) method

Hamming window with 0.0194 passband ripple and 53 dB stopband attenuation
   Lower passband edge: 1.00
Lower transition bandwidth: 1.00 Hz (-6 dB cutoff frequency: 0.50 Hz)
 - Upper passband edge: 30.00 Hz
- Upper transition bandwidth: 7.50 Hz (-6 dB cutoff frequency: 33.75 Hz)
- Filter length: 497 samples (3.310 s)
[Parallel(n_jobs=1)]: Done 17 tasks
[Parallel(n_jobs=1)]: Done 71 tasks
[Parallel(n_jobs=1)]: Done 161 tasks
[Parallel(n_jobs=1)]: Done 287 tasks
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
                                                                                | elapsed:
                                                                                                          0.0s
                                                                                                         0.0s
0.1s
                                                                                  elapsed:
                                                                                 elapsed:
                                                                                                           0.25
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
 Event IDs: [ 1 2 3 4 5 32]
ON TESTEGG2 (AlexTest.testData.testEEG2) ... Opening raw data file C:\Users\jakeg\mne_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif...

Read a total of 4 projection items:

PCA-V1 (1 x 102) idle

PCA-V2 (1 x 102) idle

PCA-V3 (1 x 102) idle
```

Ready.
Reading 0 ... 41699 =

FIR filter parameters

Filtering raw data in 1 contiguous segment Setting up band-pass filter from 1 - 30 Hz

Average EEG reference (1 x 60) idle Range : 6450 ... 48149 = 42.956 ... 320.665 secs

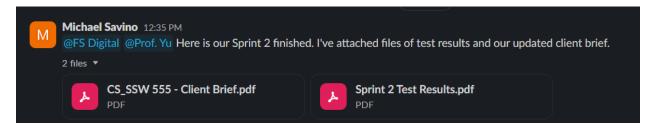
```
testDataResampling (AlexTestData.testData.testDataResampling) ... Opening raw data file C:\Users\jakeg\mne_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif...

Read a total of 4 projection items:
          on a dotal of 4 projection research of a total of 4 projection research (1 x 102) idle
PCA-V2 (1 x 102) idle
PCA-V3 (1 x 102) idle
Average EEG reference (1 x 60) idle
- 6450 ... 48149 = 42.956 ... 320.665 secs
      Range: 6450 ... 48149 =
Reading 0 ... 41699 =
Reading 0 ... 41699 = 0.000 ... 277.709 secs...
Filtering raw data in 1 contiguous segment
Setting up band-pass filter from 1 - 30 Hz
FIR filter parameters
Designing a one-pass, zero-phase, non-causal bandpass filter:
- Windowed time-domain design (firwin) method
- Hamming window with 0.0194 passband ripple and 53 dB stopband attenuation
  Lower passband edge: 1.00
Lower transition bandwidth: 1.00 Hz (-6 dB cutoff frequency: 0.50 Hz)
  Upper passband edge: 30.00 Hz
Upper transition bandwidth: 7.50 Hz (-6 dB cutoff frequency: 33.75 Hz)
  Filter length: 497 samples (3.310 s)
[Parallel(n_jobs=1)]: Done 17 tasks
[Parallel(n_jobs=1)]: Done 71 tasks
[Parallel(n_jobs=1)]: Done 161 tasks
[Parallel(n_jobs=1)]: Done 287 tasks
                                                                      elapsed:
                                                                                            0.05
                                                                        elapsed:
                                                                                           0.1s
319 events found on stim channel STI 014
Event IDs: [ 1 2 3 4 5 32]
319 events found on stim channel STI 014
testEEG1 (AlexTest.testData.testEEG1) ... Opening raw data file C:\Users\jakeg\mne_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif...

Read a total of 4 projection items:
           80 a total of 4 projection Items:
PCA-v1 (1 x 102) idle
PCA-v2 (1 x 102) idle
PCA-v3 (1 x 102) idle
Average EEG reference (1 x 60) idle
                                                     42.956 ... 320.665 secs
     Range : 6450 ... 48149 =
                                                                                                                                                                                      Ln 100, Col 1 Spaces: 4 UTF-8 CRLF ( Python 3.12.2 ('.venv': venv)
PS C:\Users\jakeg\Documents\School\Spring 2024\SSW 555\SSW555-Group22> python -m unittest .\AlexTest.py -v testDataFilter (AlexTest.testData.testDataFilter) ... Opening raw data file C:\Users\jakeg\mne_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif... Read a total of 4 projection items:
            DA COLT OF A PROJECTION THEMS:
PCA-V1 (1 x 102) idle
PCA-V3 (1 x 102) idle
PCA-V3 (1 x 102) idle
Average EEG reference (1 x 60) idle
      Range : 6450 ... 48149 =
Reading 0 ... 41699 = 0.000 ... 277.709 secs...
Filtering raw data in 1 contiguous segment
Setting up band-pass filter from 1 - 30 Hz
FIR filter parameters
Designing a one-pass, zero-phase, non-causal bandpass filter:
  Windowed time-domain design (firwin) method
Hamming window with 0.0194 passband ripple and 53 dB stopband attenuation
  Lower passband edge: 1.00

Lower transition bandwidth: 1.00 Hz (-6 dB cutoff frequency: 0.50 Hz)
- Upper passband edge: 30.00 Hz
- Upper transition bandwidth: 7.50 Hz (-6 dB cutoff frequency: 33.75 Hz)
- Filter length: 497 samples (3.310 s)
[Parallel(n_jobs=1)]: Done 17 tasks
[Parallel(n_jobs=1)]: Done 71 tasks
[Parallel(n_jobs=1)]: Done 161 tasks
[Parallel(n_jobs=1)]: Done 287 tasks
                                                                      | elapsed:
| elapsed:
                                                                                             0.0s
                                                                        elapsed:
                                                                                             0.1s
ok
testDataImport (AlexTest.testData.testDataImport) ... Opening raw data file C:\Users\jakeg\mne_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif...
Read a total of 4 projection items:
PCA-V1 (1 x 102) idle
PCA-V2 (1 x 102) idle
PCA-V3 (1 x 102) idle
PCA-V3 (1 x 102) idle
PCA-V3 (1 x 102) idle
             Average EEG reference (1 x 60) idle
      Range : 6450 ... 48149 =
                                                      42.956 ... 320.665 secs
Ready.
Reading 0 ... 41699 =
testDataResampling (AlexTest.testData.testDataResampling) ... Opening raw data file C:\Users\jakeg\mme_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif...
                                                                                                                                                                                      Ln 100, Col 1 Spaces: 4 UTF-8 CRLF ( } Python 3.12.2 ('.venv': venv) □
```

## Submitting Client Brief & Test results



## 3. Reviewing Sprint 2

#### Sprint 2:

Things we want to keep doing:

- 1. We want to keep meeting in person. We find it a lot more productive and get more work done.
- 2. We want to keep having regular updates about our project and the progress each of us have made.
- 3. Continue to update the readme.

Things we need to work on:

- 1. Continue reducing procrastination.
- 2. Have more specific issues on the Jira board. Our issues could be much more refined and specific.
- 3. Meet more frequently as a team.

# 4. Planning Spring 3

