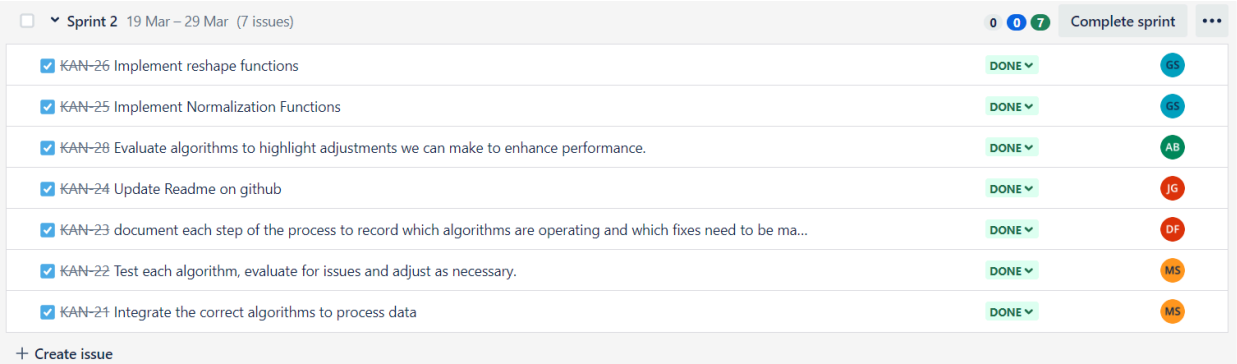
CS 555 Group 22

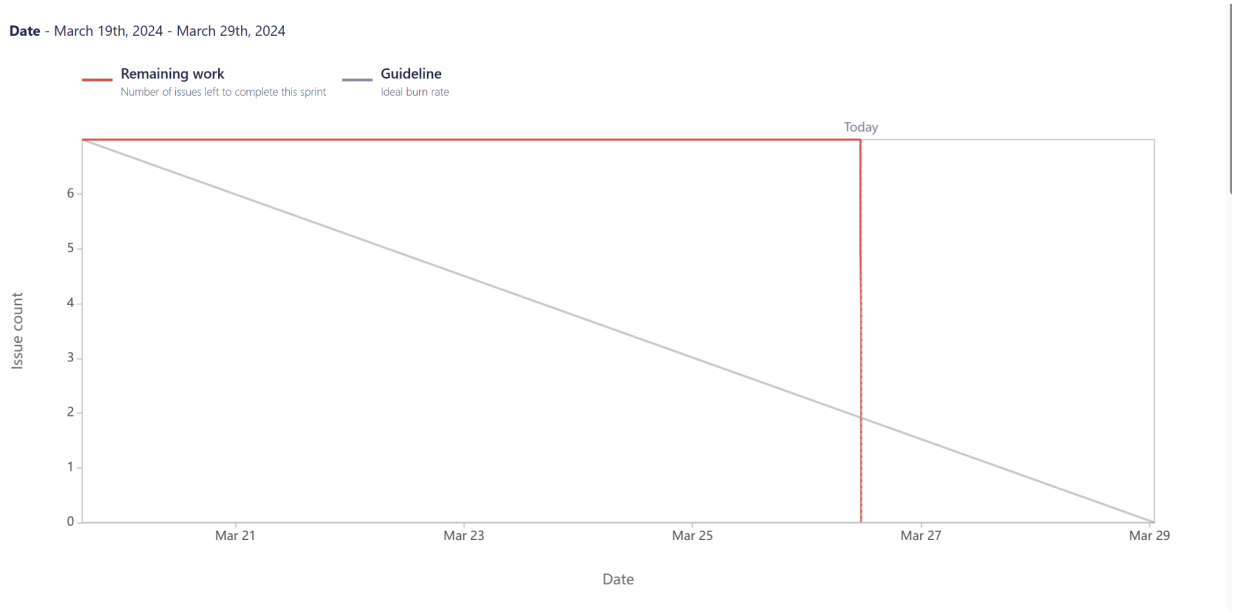
Sprint 2

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      | elapsed:    0.0s
[Parallel(n_jobs=1)]: Done  71 tasks      | elapsed:    0.0s
[Parallel(n_jobs=1)]: Done 161 tasks      | elapsed:    0.1s
[Parallel(n_jobs=1)]: Done 287 tasks      | elapsed:    0.2s
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Event IDs: [ 1  2  3  4  5 32]
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Event IDs: [ 1  2  3  4  5 32]
ok

----------------------------------------------------------------------
Ran 7 tests in 30.111s

OK
PS 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)

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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
        Average EEG reference (1 x 60)  idle
    Range : 6450 ... 48149 =     42.956 ...   320.665 secs
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)
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319 events found on stim channel STI 014
Event IDs: [ 1  2  3  4  5 32]
ok
testEEG3 (AlexTest.testData.testEEG3) ... 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
        Average EEG reference (1 x 60)  idle
    Range : 6450 ... 48149 =     42.956 ...   320.665 secs
Ready.
Reading 0 ... 41699  =      0.000 ...   277.709 secs...
Filtering raw data in 1 contiguous segment
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- Lower passband edge: 1.00
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Ready.
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319 events found on stim channel STI 014
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ok
testEEG2 (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
        Average EEG reference (1 x 60)  idle
    Range : 6450 ... 48149 =     42.956 ...   320.665 secs
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
```

```
testDataResampling (AlexTest.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:
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ok
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:
        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
    Range : 6450 ... 48149 =     42.956 ...   320.665 secs
Ready.
```

```
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:
        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
    Range : 6450 ... 48149 =     42.956 ...   320.665 secs
Ready.
Reading 0 ... 41699  =      0.000 ...   277.709 secs...
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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:
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Ready.
Reading 0 ... 41699  =      0.000 ...   277.709 secs...
ok
testDataResampling (AlexTest.testData.testDataResampling) ... Opening raw data file C:\Users\jakeg\mne_data\MNE-sample-data\MEG\sample\sample_audvis_filt-0-40_raw.fif...
```
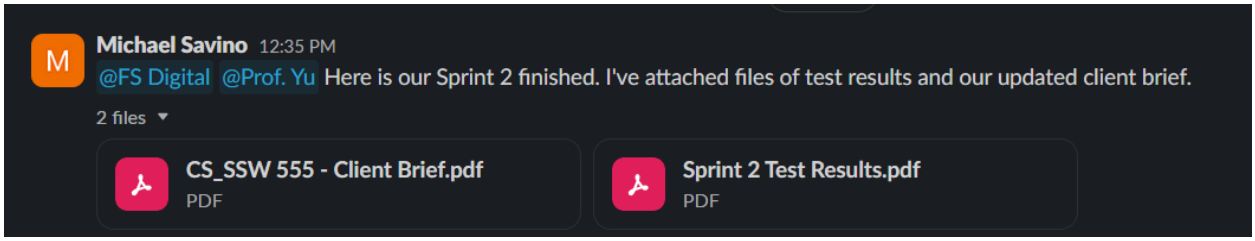

Submitting Client Brief & Test results



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