Pair Programming log

# Software Engineering Assignment #1

## Task: Create the code that will extract and count the words used in the extracted news articles.

Name: Macauley

Partner(s): Sam & Ash

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| Date | Time spent in hours | Alone (A) or Pairing (P) | % Time spent Driving | Errors Encountered | How Errors where fixed |
| 06/11/2019 | <1 | P | 100% | Calling the class to create an object | Used the wrong class name |
| 06/11/2019 | <1 | P | 100% | Assigning a value to variable, array to array | Used the wrong variable to assign to |
| 06/11/2019 | <1 | P | 100% | Creating an object with parameters | Class was changes to not need a parameter and code was not updated further on. |

## Task: Create the code that searches Spotify for songs and tracks based on a given term.

Name: Sam

Partner(s): Ash & Macauley

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| Date | Time spent in hours | Alone (A) or Pairing (P) | % Time spent Driving | Errors Encountered | How Errors where fixed |
| 06/11/2019 | 1 | P | 100% | Authorization error with Spotify API | Got client key and secret to authorise API connection |

## Task: Create the code that used the news API to get the current day’s top news articles store the title and description of the articles.

Name: Ash

Partner(s): Sam & Macauley

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| Date | Time spent in hours | Alone (A) or Pairing (P) | % Time spent Driving | Errors Encountered | How Errors where fixed |
| 06/11/2019 | <1 | P | 100% | Syntax error | Adding brackets where they were needed |
| 06/11/2019 | 1 | P | 100% | Parsing JSON data | Performed research onto the JSON data type that allowed us to understand how It functions better, and in turn we changed the code to finally retrieve the wanted output. |

## Task: Create a ‘base’ program that calls the others to create a song recommendation based on the day’s news.

Name: Sam

Partner(s): Ash & Macauley

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| Date | Time spent in hours | Alone (A) or Pairing (P) | % Time spent Driving | Errors Encountered | How Errors where fixed |
| 12/11/2019 | 1 | P | 100% | Error importing code. | Created a “\_\_init\_\_” file to act as an initialiser prevent the error. |
| 12/11/2019 | 1 | P | 100% | Term extraction dictionary – frequency data couldn’t be used properly | Sorted dictionary data by values and then reversed it. |
| 12/11/2019 | 1 | P | 100% | News data wasn’t stored as string. | Added to the news downloader code to convert the news data into a string. |

## Task: Fix and test the ‘/’ bug within term counting, to single out values instead of concatenating them (Continuation from pair programming the previous task where this issue was found).

Name: Macauley

Partner(s): N/A

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| Date | Time spent in hours | Alone (A) or Pairing (P) | % Time spent Driving | Errors Encountered | How Errors where fixed |
| 12/11/2019 | 1 | A | 100% | Term extraction incorrectly assumes words separated by slashes ‘/’ are one word instead of multiple. | Created a function which searches the dictionary and removes terms based on matching values in a stop words array |

## Task: Create a function to create and add songs to a Spotify playlist.

Name: Sam

Partner(s): N/A

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| Date | Time spent in hours | Alone (A) or Pairing (P) | % Time spent Driving | Errors Encountered | How Errors where fixed |
| 17/11/2019 | 2 | A | 100% | The application was unauthorized to create a playlist for the user. | An authorization token was created by the user having to log in and give permission for the app to create playlists. |

## Task: Update the main program to incorporate new functions.

Name: Sam

Partner(s): Macauley

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| --- | --- | --- | --- | --- | --- |
| Date | Time spent in hours | Alone (A) or Pairing (P) | % Time spent Driving | Errors Encountered | How Errors where fixed |
| 19/11/2019 | 1 | P | 100% | Spotify search function doesn’t work and produces an error searching for ‘janeanne’ | Manual search produces a profile search, implemented a try except block around the search to skip these searches. |