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| --- | --- | --- | --- | --- | --- |
| Task | Priority | Value | Cost | Knowledge | Risk |
| As a user, I want to be able to select which racing circuit / series to search | 1 | 10 | 10 hours | 8 | High |
| As a user, I want to get the next scheduled circuit | 2 | 10 | 7 hours | 8 | High |
| As a user, I want to get the next circuit’s news posts | 3 | 5 | 7 hours | 6 | Low |
| As a user, I want to get the next circuit’s weather data | 4 | 4 | 6 hours | 6 | Low |
| As a user, I want to get social media posts relating to the next circuit | 5 | 3 | 10 hours | 6 | Low |
| As a user, I want the information to be presented well | 6 | 7 | 9 hours | 7 | Medium |

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| Task | Subtask 1 | Subtask 2 | Subtask 3 | Subtask 4 |
| As a user, I want to be able to select which racing series to search | Initialise UI with placeholder text  Hours = 3 | Set up racing circuit database  Hours = 3 | Add search and retrieval functions  Hours = 4 | Test  Hours = 1 |
| As a user, I want to get the next scheduled circuit | Access calendar and search for date of next race  Hours = 3 | Compare current date and time to next race date  Hours = 2 | Display updated date and location of race  Hours = 2 | Test  Hours = 1 |
| As a user, I want to get the next circuit’s news posts | Scrape data from social media  Hours = 3 | Display data to user  Hours = 2 | Test  Hours = 2 |  |
| As a user, I want to get the next circuit’s weather data | Scrape data from weather site  Hours = 3 | Display data to user  Hours = 2 | Test  Hours = 1 |  |
| As a user, I want to get social media posts relating to the next circuit | Build database of relevant social media accounts  Hours = 3 | Scrape data from social media  Hours = 3 | Display data to user  Hours = 2 | Test  Hours = 2 |
| As a user, I want the information to be presented well | Design user interface  Hours = 5 | Implement user interface  Hours = 4 |  |  |

10 Hour sprints

Sprint 1

Task 1

Sprint 2

Task 2

Task 3: Subtask 1

Sprint 3

Task 3: Subtask 2 & 3

Task4

Sprint 4

Task 5

Sprint 5

Task 6

Week 1 Sprint Backlog:

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| Task | Subtask 1 | Subtask 2 | Subtask 3 | Subtask 4 |
| As a user, I want to be able to select which racing series to search | Initialise UI with placeholder text | Set up racing circuit database | Add search and retrieval functions | Test |

Peer Programming Logs

29/10/2019 13:00 SPRINT 1

Edward, Timothy and Nathan in attendance

13:00 Task 1 Subtask 1: Initialise UI with placeholder text

* Driver – Nathan, Observers – Timothy, Edward
* Through group discussion determined Python would be a sensible language of choice.
* Tkinter identified as suitable library to use for GUI.
* Debug – Initial test window popped up but did not persist, error spotted by Observer Tim and fixed
* Proved challenging to resize window but eventually worked this out through research as a group
* Subtask Complete 13:40

13:40 Task 1 Subtask 2: Initialise racing series database

* Driver – Nathan, Observers – Timothy, Edward
* Group discussion on how best to store series data
* Data stored in Array
* Subtask Complete 13:50
* Committed to GitHub by Nathan

13:50 Task 1 Subtask 3: Adding search and retrieval functions

* Driver – Edward, Observer – Timothy
* Taking input from radio button and displaying output
* Subtask Complete 14:30
* Committed to GitHub by Edward

14:15 Task 1 Subtask 4: Testing

* Driver -- Edward, Observer – Timothy
* Testing input of Radio buttons and outputs
* Comments added to code
* Committed to GitHub by Edward
* Subtask Complete 15:30

14:20 Task 2 Subtask 1: Access calendar and search for date of next race

* Driver – Timothy, Observers – Chloe, Edward
* Proof of concept successfully developed with dummy data
* Need to scrape data to get current dates/event rather than using dummy data
* Need to search for racing event data API

05/11/2019 13:00 SPRINT 2

Tim Richards and Nathan Haigh in attendance

13:00 Task 2 Subtask 1: Access calendar and search for date of next race

* Driver - Timothy, Observer - Nathan
* Updated application to print text depending on which option the user selects - stacks text, does not wipe previous text from text box - need to fix
* Solution found using 'text.delete('1.0', END)
* Delete text function included to wipe the text box after a different entry is selected.
* Committed to GitHub by Timothy
* Subtask Complete 14:15

14:15 Task 2 Subtask 2: Compare current date and time to next race date

* Driver - Nathan, Observer – Timothy
* Application now searches for the next race date in the circuit and retrieves it
* Application displays date on GUI
* Comments added to code
* Committed to GitHub by Nathan
* Subtask completed 15:15

15:15 Task 2 Subtask 4: Testing

* Driver – Timothy, Observer – Nathan
* Testing race date retrieval and display
* Comments added
* Committed to GitHub by Timothy
* Subtask Completed 16:15

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| |  |  | | --- | --- | | 07/11/2019 Tim Richards - Driver | Nathan Haigh - Observing | |  |  |  | | --- | | * Updated application to print text depending on which option the user selects - stacks text, does not wipe previous text from text box - need to fix | |  |  |  | | --- | | * Solution found using 'text.delete('1.0', END) |  * Delete text function included to wipe the text box after a different entry is selected. |
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| 11/11/2019 Nathan Haigh, Chloe Dooley and Tim Richards in attendance | |
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| * Weather forecast function being developed |
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| * Problems occured when working on Weather API and function, university computers would not allow download of libraries, using online python editor to test program |

* Weather API still unresponsive, further testing required

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| 12/11/2019 | Tim Richards and Nathan Haigh in attendance |

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| * Working on Twitter API |

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| * Agreed to Twitter agreement to allow API to be used |

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| * Testing with Twitter API |

* Further testing using pip install tweepy

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| 19/11/2019 | Nathan Haigh and Tim Richards in attendance |

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| * Work on better integrating the Twitter API with the program and the GUI |
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| * Work on making the GUI look more presentable and aesthetically pleasing using Pack Manager and Grid Manager to arrange the |

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| * Implementing certain tweets into the GUI and displaying them in a set order |
| * [http://www.openbookproject.net/courses/python4fun/tkphone1.html 19/11/2019](http://www.openbookproject.net/courses/python4fun/tkphone1.html%2019/11/2019)   https://towardsdatascience.com/tweepy-for-beginners-24baf21f2c25 19/11/2019 14:30 |