Product Backlog

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| --- | --- | --- | --- | --- |
| Item Number | Item Name | User Story | Outcome | Priority |
| 1 | Display race location. | I want to know where the next race is taking place. | The user should be able to see where the next race will be. | 1 |
| 2 | Show event date and time. | I want to know the time and date of the next event. | The user will be able to check when the race will be. | 2 |
| 3 | Get weather data for race location from API. | I want to know what the weather forecast is at the next venue. | Weather data for the next race will be shown. | 4 |
| 4 | Get relevant Twitter posts about events using an API. | I want to find news and social media posts about the next race. | To be able to show Twitter posts from certain accounts in relation to the next event. | 3 |
| 5 | Push notifications for when a race is going to start. | I want to be notified when the next race is scheduled. | Allow users to be notified when a race is due to start. | 6 |
| 6 | Allow for sharing of application data to other platforms. | I want to share any news and/or social media posts that I find. | Let the user share news and social media posts to other social media platforms. | 7 |
| 7 | Show results of series. | I want to view championship standings and leaderboards. | The user will be able to see race results and leaderboards in the application. | 5 |

Sprint Backlog

The sprint backlog has been formulated retrospectively using the ‘issues’ section of our GitHub repository for our project. Each issue was originally labelled with a particular priority level.

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| --- | --- | --- | --- | --- |
| Item Number | Item | Responsibility | Priority Label | Time |
| 1 | Retrieve API Key for Weather Forecast | Jiahui | High | 1 |
| 2 | Retrieve API Keys for F1 Website | Matthew | High | 1 |
| 3 | Create Basic UI for Testing | Chloe | High | 2 |
| 4 | Retrieve Next Race Location |  | Medium |  |
| 5 | Display Next Race Location |  | Medium |  |
| 6 | Retrieve Date and Time of Next Race |  | Medium |  |
| 7 | Display Date and Time of Next Race |  | Medium |  |
| 8 | Retrieve Weather Data for Race Location |  | Medium |  |
| 9 | Retrieve API Keys for Sports News Site | Thomas | Medium | 1 |
| 10 | Retrieve News Posts on Next Race |  | Medium |  |
| 11 | Retrieve Social Media Posts Mentioning Next Race |  | Medium |  |
| 12 | Display Social Media Posts |  | Medium |  |
| 13 | Share Social Media Posts from Application |  | Low |  |
| 14 | Retrieve Championship Leaderboards |  | Low |  |
| 15 | Display Championship Leaderboard |  | Low |  |
| 16 | Notify User of Next Race |  | Low |  |
| 17 | Display Weather Forecast |  | Medium |  |
| 18 | Retrieve API Keys for Twitter | Thomas | Medium | 2 |
| 19 | Create a Domain Model | Thomas | Medium | 1 |
| 20 | Assign Priorities to Backlog | Thomas | High | 1 |
| 21 | Create Basic Layout for Application | Chloe | High | 2 |

Sprint Logs

Sprint Log 1: (24/10/19)

Drafted user stories and use cases for application 2

Decided what application to develop

Began knowledge acquisition

Began developing product backlog

Explored group development solutions

Sprint Log 2: (31/10/19)

Sprint Log 3: (07/11/19)

Sprint Log 4: (14/11/19)

Sprint Log 5: (21/11/19)

Tools/Software Used

GitHub – To upload parts of the assessment that contribute to the final project and to use as a backlog and progress guide.

Openweathermap.org - API for weather data.

Twitter.com - API for social media posts.

Newsapi.org - API for news content.

Python 3 – To develop the application.

Sportradar.us – API for Formula 1 related information such as event times, dates, locations, and championship standings.