**Release and Sprint Plans**

**Team Number: 16**

|  |  |  |
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Release Plan

* Stories that have been prioritised with the Client as a “won’t” have not been given placement in the Release Plan at all.

# 

# Release 1

Delivery date: 16th October Total Story Points: 40

This release aims to implement partial main functionality so that we can create a platform to build up from in future releases. The user will be able to register, login and view information that is relevant to them in this release. This release should allow for the main customer-focused ‘backbone’ of the system to be created - so in later releases the admin capabilities can be created and real world data can be used for the features created in release one.

## Registering an account

Users will be able to fill out the registration form and have that information saved to the database.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S04 | Compulsory registration information | 2 |
| S06 | Additional user data | 1 |
| S11 | Login via home page or individual login page | 4 |
| S30 | User Profile Settings | 2 |
|  | Story Point Sub-Total: | 9 |

Justification:

These stories can be seen as the first priority of release one, which is primarily focused on creating the base use for users.

## Finding and viewing locations

Users will be able to find and view locations near them relating on their specific user type, as well as other places such as restaurants, and other user type information temporarily.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S14 | View information about hotels for tourists | 2 |
| S15 | View extra information about other places such as parks and restaurants | 8 |
| S16 | Find libraries and/or colleges in the area for students | 2 |
| S17 | View information about other industries and business’ in the area | 2 |
| S35 | View information about hotels for businessmen | 2 |
|  | Story Point Sub-Total: | 16 |

Justification:

These are important features that can ‘sell’ the service to potential users. Having these created (even just with dummy data) with release one will allow for the website to be ‘advertised’ to potential users. And then in release two, as seen below the ability for this data to be created by admins can be added to replace this dummy data.

## Provide Accurate Data

Provide accurate and correct data to the user based on their account.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S01 | Targeted useful information | 1 |
| S03 | The unique user type to select during registration to allow accurate and correct data to be displayed | 2 |
|  | Story Point Sub-Total | 3 |

Justification:

Once the users can register and there are features created, this section of the release focuses on setting up the features based on the user type.

## Defensive Programming

Having an unsecure website that can easily be attacked by hackers is not acceptable. This feature will ensure that the website is safe from security threats and our users data is safe within the database.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S08 | Defensive Programming | 2 |
|  | Story Point Sub-Total: | 2 |

Justification:

Defensive programming is a critical ongoing aspect that, to reduce stress and resources later on, needs to be started from release 1. It gives immediate security value to customers and sets up the website for future work by providing a security net.

## Ability to Expand

One of the clients wishes was to build the website so it can expand in the near future. This will be done throughout the course of the project so that each section of the site can be easily expanded upon in future releases.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S13 | Ability to Expand | 4 |
|  | Story Point Sub-Total: | 4 |

Justification:

Having a consistent and expandable solution requires constant ongoing efforts, hence this should start from release one.

## Admin Functionality

Admin functionality is crucial at this point, as without the admin functionality, nothing would be able to be created/updated/deleted.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S07 | Create and modify information | 4 |
| S12 | Admin create other admin accounts | 1 |
| S24 | Own section of the website to perform maintenance | 1 |
|  | Story Point Sub-Total: | 6 |

This section is focused on providing admins with the ability to create data for the features.

# Release 2

Delivery date: To be negotiated Total Story Points: 30

The aim of this release is to add the remaining features to the website that will improve functionality, usability and will allow the administrator to add, remove and update data for the features (that were created in release one) of the website. After this release, there should be a very solid version of the platform that could be sent out to customers to use.

## Web standards

Web standards will be partially implemented in release 1, however it will not be available on mobile phones, ipads etc. This feature aims to allow the website to be resizable, responsive and available on multiple devices.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S09 | Flexible website available on multiple devices | 4 |
| S10 | Functional web elements | 1 |
|  | Story Point Sub-Total: | 5 |

Justification:

With the basic framework of the system being completed in release one, release two will allow for the full implementation of admin functions. With this section being completed work can begin to assure that the website can be useable on a new range of devices and browsers as well as being accessible for new users.

## Support system

Addition of contact information so if the user runs into errors they are able to contact a developer to attempt to fix their problems.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S19 | Developer support to overcome user-errors. | 1 |
|  | Story Point Sub-Total: | 1 |

Justification:

With the features and admin features created, a support system should be added for users to troubleshoot, and contact said admins in need be.

## Credential Recovery

User credential recovery processes so users can recover their credentials if they forget them.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S34 | Password recovery | 4 |
|  | Story Point Sub-Total: | 4 |

Justification:

This feature is a delighter feature but is a fairly important feature that should be implemented and therefore it was decided to be placed in release two.

## Access favourite locations

Users will be able to pick their favourite locations which will allow for quick access to them on the website.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S18 | Easily access favourite locations | 4 |
|  | Story Point Sub-Total: | 4 |

Justification:

This is placed in release two because it is less important than the features placed in release one, and now that they are complete the team can focus on the ‘extra’ features.

## Trending and recommended locations

Users will be able to view trending locations, to easily see the highest rated and most popular areas near them. They will also be given recommendations on places to visit.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S20 | Tourist Trending locations on the map | 8 |
| S21 | Recommend places to the user | 8 |
|  | Story Point Sub-Total: | 16 |

Justification:

This is placed in release two because it is less important than the features placed in release one, and now that they are complete the team can focus on the ‘extra’ features.

# Release 3

Delivery date: to be negotiated Total Story Points: 31

The third release aims to finalise the website by continuing to add features that will ‘delight’ the users of our website. Extra features will be added to the locations services, a higher level of security will be added, and our website will become integrated with social media technology, allowing users to share their favourite places with friends.

## Travel direction assistance

System will give directions for users to travel to places that they choose.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S22 | Travel directions | 8 |
|  | Story Point Sub-Total: | 8 |

## Search for location

Rather than selecting a place from a map, users will be able to search for locations.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S23 | Search bar with correct output locations | 8 |
|  | Story Point Sub-Total: | 8 |

## Two-step verification/Social Media Integration

Users will be required to authorise login attempts using a code sent through text or email.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S25 | Two-step verification during login process | 4 |
| S26 | Social Media Integration | 2 |
|  | Story Point Sub-Total: | 6 |

## Excess Services Location

Expanded location information provides information on a variety of services from the initial locations provided.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S27 | Travel Service Information | 2 |
| S28 | Emergencies Service Information | 2 |
| S29 | Utility Services Information | 2 |
| S31 | Toggle Location Function | 1 |
|  | Story Point Sub-Total: | 7 |

## Feedback Survey

Feedback platform allows users to provide insight into how users are experiencing the site and how we might be able to improve in the future.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S32 | Feedback Function | 2 |
|  | Story Point Sub-Total: | 2 |

## 

## Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 1 | | | | Sprint 2 | | | |
| Release 1 | | | | Release 1 | | | |

## 

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  |  |  |  |  |
| Sprint 3 | | | |  | |  | |
| Release 2, 3, … | | | | | | | |

Estimated Velocity: 33 Ideal Work Days (per Sprint)

Sprint Plan

# Sprint 1

Total Story Points: 28 Total Hours: 30.5

Current Velocity: Undefined

This sprint is the first of many, and with that, the decision was made to set up the basics for following sprints - picking stories to implement that have the most effect on what future stories have the capability to be deployed.

## General Tasks (ongoing)

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Set up database | 1 | 1 |
| T02 | Set up programing environment | 2 | 4 |
| T03 | Relationship models | 1 | 0.5 |
|  | Story Points: 4 Total Hours: | 4 | 5.5 |

Justification:

These are tasks are required to be completed to either begin the production of the solution or complete other tasks in the sprint.

## Story ID: 4 - Compulsory Registration Information

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create registration forms and buttons | 1 | 1.5 |
| T02 | Verification of registration details | 2 | 0 |
| T03 | Send and store data (encrypted) to database | 1 | 0.5 |
| T04 | Style the page | 2 | 2 |
| T05 | Verify Story is Complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 6.5 | 4.5 |

Justification:

One of the core functions that needs to be implemented is the core user credentials that all users will be registered under. This will also include securing information within the database. This also starts to set up other ‘pleaser’ features such as Story 25.

## Story ID: 3 - Three Unique Accounts

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create 3 Radio buttons | 0.25 | 0.25 |
| T02 | Verify if one radio button is checked | 0.25 | 0.25 |
| T03 | Send and store data (encrypted) to database - when user registers and passes verification details | 1 | 1 |
| T04 | Verify story is complete (acceptance test) | 0.5 | 0.25 |
|  | Story Points: 2 Total Hours: | 2 | 1.75 |

Justification:

Many of the core features of the website are reliant on the basis that there is the three main account types. As a result we decided that this would be implemented first in sprint one to allow for these features to be implemented in the following sprints and releases.

## Story ID: 11 - Login/Register

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create registration page and add it to the site | 0.5 | 1 |
| T02 | Create inputs for user registration | 0.5 | 0.5 |
| T03 | Add inputted information and store it in the database (Hashed and salted for private information i.e. passwords, emails etc.) | 1 | 0.5 |
| T04 | Create login page and add it to the site | 0.5 | 1 |
| T05 | Retrieve user credentials for logging in | 1 | 0.5 |
| T06 | Add link to user registration/login on all relevant pages | 0.5 | 0.5 |
| T07 | Implement login section on the home page | 0.5 | 0.5 |
| T08 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 4 Total Hours: | 5 | 5 |

Justification:

Another core feature is allowing users to login and register themselves within the system. This relies on Story 3, and is placed after Story 3 to accommodate this.

## Story ID: 30 - User Profile Settings

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Ensure users can change/update/delete information relating to their account in the future | 1 |  |
| T02 | Verify Story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 3.5 |  |

Justification:

Placed after Story 11 because 30 is dependant on 11. Allows for the User setting modifications to be made - which is value to the customer, but also allows Story 6 to be fulfilled later on.

## Story ID: 15 - User City Information

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create google maps with markers of locations such as parks, zoos, restaurants etc. | 4 | 7.5 |
| T02 | Provide additional information on said place  (automatically done by google) | 2 | 0 |
| T03 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 8 Total Hours: | 6.5 | 8 |

Justification:

Relies on Story 3 hence placed afterwards. Delivers core value to customers. Basic feature that gives value to all user types, then in consequent sprints user type-specific features can be released.

## Story ID: 8 - Secure Website (Ongoing)

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Implement user and server validation for credentials inputted | 1 | 0 |
| T02 | Keep database encrypted | 0 | 0 |
| T03 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 1.5 | 0.5 |

Justification:

All personal information in the database should be kept secure with the use of defensive coding to ensure the safety of private information. This is independant of other requirements but is must have feature when dealing with users. When implementing other functions security will be a high priority which will be an ongoing priority throughout the project.

This is an ongoing task which affects the system as an entirety in terms of creation standards, hence why it should be included from the beginning in this Sprint.

## Story ID: 13 - Ability to Expand (Ongoing)

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Assure that the code written is not location-locked | 0 | 0 |
| T02 | Assure that the code written allows for expandability | 0 | 0 |
| T03 | Develop code in a fashion that allows reusability of code | 0 | 0 |
| T04 | Check that the service can be used for more than one location | 1 | 1 |
| T05 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 4 Total Hours: | 1.5 | 1.5 |

Justification:

This is an ongoing task which affects the system as an entirety in terms of creation standards, hence why it should be included from the beginning in this Sprint.

**Addition Unforeseen Workload**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Learning Django | N/A | 16 |
| T02 | Style website | N/A | 5 |
| T03 | Learning GIT Terminal | N/A | 2 |
|  | Story Points: N/A Total Hours: | N/A | 23 |

# Sprint 2

Total Story Points: 26 Total Hours: 74.25

Current Velocity: 24 SP

**Sprint 1 User Stories:**

These user stories were transferred over from sprint 1 as they were incomplete due to development difficulties from the development team. As a result, these user stories are to be completed before any development on the sprint 2 user stories can commence.

## Story ID: 30 - User Profile Settings

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Ensure users can change/update/delete information relating to their account in the future | 1 | 1.5 |
| T02 | Verify Story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 1.5 | 2 |

## 

## Story ID: 3 - Three Unique Accounts

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create 3 Radio buttons | 0.25 | 0.25 |
| T02 | Verify if one radio button is checked | 0.25 | 1 |
| T03 | Send and store data (encrypted) to database - when user registers and passes verification details | 1 | 5 |
| T04 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 2 | 6.75 |

**Sprint 2 User Stories:**

## Story ID: 6 - Store Optional Data

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create optional input fields in the registration | 0.5 | 1 |
| T02 | Create optional fields in the user profile settings | 0.5 | 1 |
| T03 | Verify details are in the correct format/verified | 1 | 1 |
| T04 | Store details securely in the database | 1 | 0.5 |
| T05 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 3.5 | 4 |

Justification:

An extension to the compulsory registration data will allow users to register other personal details such as home address and phone number. These details allow us to build a better user profile and gives are more options in how we may contact users for any reasons.

## Story ID: 7 - Admins can create MapData

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create Map Data Models in the program   * the Features will read from these | 3 | 2 |
| T02 | Assure that on the Django admin-side of the website admins can add data to the Models created above | 1 | 0.5 |
| T02 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 4.5 | 3 |

Justification:

An aspect of the admin functionality that will be a key feature set of sprint 2. This user story addresses the function that allows admin users to create map data on the map (through django built in admin website) which allows admin users to constantly expand the functionality of the site.

## Map - specific tasks:

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Make the options displayed to the user in the map UI dynamic based on the Models created Story 7 above | 3 | 3 |
|  | Story Points: N/A Total Hours: | 3 | 3 |

Justification:

These are tasks that need to be completed before the user specific map functions can be implemented. These tasks support the map user stories.

## Story ID: 14 - Hotel for Tourists Users

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Fill in the Models created in Story 7 tasks (sprint 2) to facilitate the story | 0.5 | 0.1 |
| T02 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 1 | 0.6 |

## Story ID: 35 - Hotel for Business Users

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Fill in the Models created in Story 7 tasks (sprint 2) to facilitate the story | 0.5 | 0.1 |
| T02 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 1 | 0.6 |

## Story ID: 16 - Libraries for Student Users

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Fill in the Models created in Story 7 tasks (sprint 2) to facilitate the story | 0.5 | 0.1 |
| T02 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 1 Total Hours: | 1 | 0.6 |

## 

## Story ID: 17 - Organisation for Business Users

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create the various associated models that will be used to create the feature.  This will include things such as:   * each organisation type (finance, etc)   + the state of the industry   + organisations in the city   + reference links   + possible map search to show the organisations in the area | 1 | 1 |
| T02 | Create the UI.  which should allow users to read the organisational information in different cities | 4 | 4 |
| T03 | Create forms and dedicated pages in the website for admins to create data for this feature more easily | 4 | 4 |
| T04 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 9.5 | 9.5 |

Justification:

The following user stories will add the various user specific map location functionality to the map sections which shapes the core functionality of the project. This will ensure that only tourist users can view hotel location data, business users can view hotels and organisation location data and students can only view library and education facility location data. This will ensure that specific users are only able to view location data relevant to their needs.

**Story ID: 1 - Targeted Information**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Ensure that user functions are specific to their user type | 1 | 2 |
| T02 | Website displays information relevant to the user’s user type | 2 | 2 |
| T03 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 3.5 | 4.5 |

Justification:

Overall the site should display information that is relevant to each specific user. While the site in future releases may be able to create a more personalised and customisable user profile, for now the site should display different information based on the registered user type.

## ~~Story ID: 24 - Personal Admin Section~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~Task ID~~ | ~~Task Description~~ | ~~Estimate~~ | ~~Taken~~ |
| ~~T01~~ | ~~Design form that allows admins to create other admin accounts~~ |  |  |
| ~~T02~~ | ~~...~~ |  |  |
| ~~T03~~ | ~~Verify story is complete (acceptance test)~~ |  |  |
|  | ~~Story Points: 1 Total Hours:~~ |  |  |

Justification:

A large portion of the admin functionality is handled by the Django framework and therefore this user story was dropped as an admin section already exists. While the development team could design a admin backend interface that includes all the admin functions this was decided to be a very time-consuming task and was rejected. There were instances that ‘admin’ section was created; however, this was integrated into different parts of the other stories, and not its own.

## Story ID: 12 - Admins can create Other Admin Users

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create an admin registration form | 1 | 1 |
| T02 | Ensure that only admins can access this form | 1 | 2 |
| T03 | Store/access admin details within the database | 1 | 3 |
| T04 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 3.5 | 6.5 |

Justification:

One of the specifications of the brief was to allow admins to create additional admin user accounts. With the addition of more admin users should alleviate the admin workload and help further expand the services the project can provide.

## Story ID: 19 - Support System

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create developer’s email | 0.5 | 0.5 |
| T02 | Create ‘Contact Us’ html page | 0.5 | 1 |
| T03 | Create fields (name, email, message) with appropriate labels | 0.5 | 1 |
| T04 | Create submit button | 0.5 | 0.5 |
| T05 | Send message to developer’s email | 4 | 3.5 |
| T06 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 6.5 | 7 |

Justification:

Before the first release it is critical to implement a support system that would allow users to contact an admin in order to resolve any issues they're facing while using the site. This can also be used as an informal feedback section and should allow the development team to gauge what people like and dislike about the site and how we can improve.

## Story ID: 34 - Password Recovery

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create web page of password has been changed | 0.5 | 0.5 |
| T02 | Create automated email account | 0.5 | 0.5 |
| T03 | Retrieve User e-mail | 0.5 | 0.5 |
| T04 | Create one time use link (with expiration time) that redirects user to change their password. | 8 | 6 |
| T05 | Send e-mail to user with one time link leading to password change page | 4 | 10 |
| T06 | Ensure email sent for password recovery are automated | 0.5 | 0.5 |
| T07 | Allow user to update password | 0.5 | 0.5 |
| T08 | Update database with new password | 4 | 0.5 |
| T09 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 4 Total Hours: | 19 | 19.5 |

Justification:

Password recovery function is something that the client wanted added in the sprint. It will allow users to gain access to their account in case they forget their password. This is crucial in order to provide a good product to users that use the system. This user story was moved from release 2 to release 1 as a result.

## Story ID 26: Social Media Integration

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Configure Models | 1 | 0.5 |
| T02 | Configure Domain URL’s | 1 | 0.5 |
| T03 | Include the Facebook API in the login form | 1 | 0.5 |
| T04 | Verify story is complete (acceptance test) | 0.5 | 0.5 |
|  | Story Points: 2 Total Hours: | 3.5 | 2 |

Justification:

A crowd pleaser feature that would enable users to sign in with their social media account. This was a last-minute addition as the client thought it could add some more functionality that could benefit users. As a result, it was moved from release 2 to release 1.

**Additional Unforeseen Workload**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Rewriting code due to lost USB | N/A | 3 |
| T02 | Fixing Migrations and Database | N/A | 1 |
| T03 | Jason had corrupted python files, so he had to reset everything up on his end | N/A | 2 |
| T04 | Updates to navBar | N/A | 1 |
| T05 | restricting access to different users | N/A | 0.5 |
| T06 | Re-directing users if the web URL is wrong | N/A | 0.2 |
|  | Story Points: N/A Total Hours: | N/A | 7.7 |