**Release and Sprint Plans**

**Team 12**

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**Table of Contents**

[Release Plan 1](#_Toc496537147)

[Release 1 1](#_Toc496537148)

[User Account Creation, Login and Management 1](#_Toc496537150)

[Administrator Privileges 1](#_Toc496537151)

[User Account Customisation, Roles, and site browsing 2](#_Toc496537152)

[User Account Editing and Additional Searches 2](#_Toc496537153)

[Release 2 2](#_Toc496537154)

[City Map and Location Pinpointing 2](#_Toc496537155)

[Release 3 3](#_Toc496537156)

[Bonus Feature Searches 3](#_Toc496537157)

[Delivery Schedule 3](#_Toc496537158)

[Estimated Velocity: 8 3](#_Toc496537159)

[Sprint Plan 4](#_Toc496537160)

[Sprint 1 4](#_Toc496537161)

[Current Velocity: Undefined 4](#_Toc496537162)

[User Story 1: User Account Creation 4](#_Toc496537163)

[User Story 2: User Account Validation 4](#_Toc496537164)

[User Story 3: User Account Roles 4](#_Toc496537165)

[User Story 4: User Account Login and Validation 5](#_Toc496537166)

[User Story 20: Administrator Information Adding 5](#_Toc496537167)

[User Story 21: Administrator Account Creation 5](#_Toc496537168)

[User Story 6: General User Search Functionality 6](#_Toc496537169)

[User Story 7: Student User Preference Filtering 6](#_Toc496537170)

[User Story 8: Student User Search Functionality 6](#_Toc496537171)

[User Story 9: Business User Hotel Filtering 7](#_Toc496537172)

[User Story 12: Business User Search Functionality 7](#_Toc496537173)

[User Story 10: Business User Industry Filtering 7](#_Toc496537174)

[User Story 13: Tourist User Hotel Filtering 8](#_Toc496537175)

[User Story 19: Tourist User Search Functionality 8](#_Toc496537176)

[User Story 5: User Role Swapping 8](#_Toc496537177)

[User Story 22: Admin City Map 9](#_Toc496537178)

[User Story 15: Tourist Park and Zoo Filtering 9](#_Toc496537179)

[User Story 16: Tourist Mall Filtering 9](#_Toc496537180)

[User Story 17: Tourist Museum Filtering 10](#_Toc496537181)

[User Story 18: Tourist Restaurant Filtering 10](#_Toc496537182)

Release Plan

# Release 1

Delivery date: 15th October 2017 Total Story Points: 60

## An initial creation of a skeleton, which allows for account creation, login, and a landing page for logged in users and guests. During account creation users will be able to choose their preferred user type (Businessman, Student, and Tourist), a unique username, a password, and various personal information to help user searches and activity. If an administrative role has supplied by another administrator or developer, that user has the ability to add, edit and delete stored information on facilities populated throughout the site.

## User Account Creation, Login and Management

Account creation will allow the user entrance to the system. The associated features and will be paired with an authentication process for the backend server. This allows for stability and formality of the process pairing of back and front end architecture through a verification requirement of a unique username and password. An introduction of customization of the platform for easier and more efficient use is included with account creation to supplement the requirement of account creation for productive purposes. These features are a mandatory requirement for the stability and efficiency of all features within the platform.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 1 | User Account Creation | 4 |
| 2 | Username Verification | 2 |
| 3 | User Type Selection | 2 |
| 4 | Browser Login | 4 |
| 23 | User Information Editing | 4 |
|  | Story Point Sub-Total: | 16 |

## Administrator Privileges

Administrator accounts will have the ability to add, edit and delete data entries for facilities on the site. This feature creates the bulk of the user experience and is mandatory for the site to create a user experience.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 20 | Admin Database Handling | 4 |
| 21 | Administrator Account Creation | 2 |
|  | Story Point Sub-Total: | 6 |

# User Account Customisation, Roles, and site browsing

An introduction of customization of the platform for easier and more efficient use is included with account creation to supplement the requirement of account creation for productive purposes. These features are a mandatory requirement to allow users to retrieve the most out of all features included within the platform and control the majority of the functionality with the platform itself.

## User Account Editing and Additional Searches

Allowing the user to edit their account information retroactively to allow for a customized user experience and allows for flexible use by the user in addition to bonus search preferences for user roles designed to increase value of information.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 6 | User Facility Search | 4 |
| 7 | Student User Filtering | 2 |
| 8 | Student Searching | 4 |
| 9 | Business Hotel Filtering | 2 |
| 10 | Business Industry Filtering | 2 |
| 12 | Business General Search | 4 |
| 13 | Tourist Hotel Filtering | 2 |
| 19 | Tourist General Search | 4 |
| 5 | User Role Swapping | 4 |
| 15 | Tourist Park and Zoo Filtering | 2 |
| 16 | Tourist Mall Filtering | 2 |
| 17 | Tourist Museum Filtering | 2 |
| 18 | Tourist Restaurant Filtering | 2 |
| 22 | Admin City Map | 2 |
|  | Story Point Sub-Total: | 38 |

# Release 2

Delivery date: To Be Negotiated Total Story Points: 7

Users will have access to extra functionality through google maps including directions, time until arrival and Google street view.

## City Map and Location Pinpointing

Static map updated by administrator accounts and an addition of google maps allows for a more familiar user experience and a more dynamic system.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 25 | User Directions | 7 |
|  | Story Point Sub-Total: | 7 |

# Release 3

Delivery date: To Be Negotiated Total Story Points: 5

Introduction of various search parameters allowing for more specific information provided to the user. In addition administrators can provide a map of the city, including pinned locations with an addition of google maps directions using known addresses within the database.

## Bonus Feature Searches

Extra categories to expand search parameters based upon user type to enhance user experience.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 11 | Business Wi-Fi Search | 2 |
| 24 | Tourist Restaurant Delivery | 3 |
|  | Story Point Sub-Total: | 5 |

# Delivery Schedule

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  |  |  |  |  |
| Sprint 3 | | | |  | |  | |
| Release 2, 3, 4, … | | | | | | | |

## Estimated Velocity: 8

Sprint Plan

# Sprint 1

Total Story Points: 46 Total Hours: 83

## Current Velocity: Undefined

## User Story 1: User Account Creation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create landing page for user login | 1 | 1 |
| 2 | Create database tabling for username and password pairs as well as associated queries for verification and addition | 3 | 2 |
| 3 | Test retroactive creation through database tables (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 5 | 5 |

## User Story 2: User Account Validation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 4 | Create account creation page and associated link from login page | 1 | 1 |
| 5 | Filter queries into back end of account creation page to check database user table for duplicate username | 2 | 1 |
| 6 | Create a visual response for user whenever query returns true | 1 | 1 |
| 7 | Test visual prompt by hard coding a user account and then attempting to create a duplicate account, then an attempt at creating a unique user account twice | 1 | 1 |
|  | Story Points: 2 Total Hours: | 5 | 4 |

## User Story 3: User Account Roles

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 8 | Create role field within account creation page | 1 | 1 |
| 9 | Add column to database user account table for role value and associated query to facilitate the introduction of the four roles (Admin, Tourist, Student, Business) | 2 | 1 |
| 10 | Code queries in blank fields within account creation | 1 | 1 |
| 11 | Test user roles by creating account and checking user table in database (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 5 | 4 |

## User Story 4: User Account Login and Validation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 12 | Create account creation page and associated link from login page | 1 | 1 |
| 13 | Filter queries into back end of landing pages and visual verification for user on login/creation page | 3 | 2 |
| 14 | Create logout link for session | 1 | 1 |
| 15 | Test account login through both hard coded examples and retroactive creation through account creation/login page and finally logging out of a specific account and re-logging in with another account (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 6 | 5 |

## User Story 20: Administrator Information Adding

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 16 | Create database tabling for city facilities tabled by category (library, park, shopping centre etc) | 3 | 3 |
| 17 | Design associated queries which implement the provided fields filled by the admin to create/edit/delete portions of the database tables | 4 | 4 |
| 18 | Create page for admin tools upon admin login, linked with the designed queries and the associated fields placed within account information page | 4 | 4 |
| 19 | Test creation of data through admin tools by hard coding an example into the database, editing, and deleting said data, then rewriting it within the dataset using the admin tools (Acceptance Test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 12 | 12 |

## User Story 21: Administrator Account Creation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 20 | Create field within an admin account information page (admin tools) that allows for query search into database for specific user account | 1 | 1 |
| 21 | Design query to search database for specific user account supplied via typed field and returning user role | 1 | 1 |
| 22 | Create query and page design to allow role changing of returned account to be then edited within the database/user table which allows for administrator as a user role choice | 1 | 1 |
| 23 | Test user search within an administrator account by hard coding an account then searching and checking associated role within the account. Edit the account role to administrator, logout then login with new administrator account and check the associated tools (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 6: General User Search Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 24 | Create information search page with root links from home landing page and blank fields associated with facility information categories | 1 | 1 |
| 25 | Design database queries to search through each field returning matching results returning false if query returns null | 2 | 2 |
| 26 | Design and implement search results page with visual prompts associated with a false (empty) search and site tabling for searched results if values are returned | 2 | 2 |
| 27 | Implement necessary hyperlinks for site navigation to login page or for new searches | 1 | 1 |
| 28 | Hard code information within information tabling in database and create user searches to identify and test matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 7 | 7 |

## User Story 7: Student User Preference Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create landing page for student user log in | 1 | 1 |
| 30 | Design database queries to search through each field returning matching results associated with student user preferences | 1 | 1 |
| 31 | Create site tabling on student landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 32 | Hard code information within information tabling in database and navigate to student user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 8: Student User Search Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 33 | Create information search page with root links from student landing page and blank fields associated with facility information categories | 1 | 1 |
| 34 | Design database queries to search through each field returning matching results returning false if query returns null | 2 | 2 |
| 35 | Design and implement search results page with visual prompts associated with a false (empty) search and site tabling for searched results if values are returned | 2 | 2 |
| 36 | Implement necessary hyperlinks for site navigation to landing page or for new searches | 1 | 1 |
| 37 | Hard code information within information tabling in database and create student user searches to identify and test matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 7 | 7 |

## User Story 9: Business User Hotel Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create landing page for Business Person user log in | 1 | 1 |
| 30 | Design database queries to search through each field returning matching results associated with Business Person user preferences | 1 | 1 |
| 31 | Create site tabling on Business Person landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 32 | Hard code information within information tabling in database and navigate to Business Person user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 12: Business User Search Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 33 | Create information search page with root links from Business Person landing page and blank fields associated with facility information categories | 1 | 1 |
| 34 | Design database queries to search through each field returning matching results returning false if query returns null | 2 | 2 |
| 35 | Design and implement search results page with visual prompts associated with a false (empty) search and site tabling for searched results if values are returned | 2 | 2 |
| 36 | Implement necessary hyperlinks for site navigation to landing page or for new searches | 1 | 1 |
| 37 | Hard code information within information tabling in database and create Business Person user searches to identify and test matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 7 | 7 |

## User Story 10: Business User Industry Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 38 | Create landing page for Business Person user log in | 1 | 1 |
| 39 | Design database queries to search through each field returning matching results associated with student user preferences | 1 | 1 |
| 40 | Create site tabling on Business Person landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 41 | Hard code information within information tabling in database and navigate to Business Person user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 13: Tourist User Hotel Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create landing page for tourist user log in | 1 | 1 |
| 30 | Design database queries to search through each field returning matching results associated with tourist user preferences | 1 | 1 |
| 31 | Create site tabling on tourist landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 32 | Hard code information within information tabling in database and navigate to tourist user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 19: Tourist User Search Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 33 | Create information search page with root links from tourist landing page and blank fields associated with facility information categories | 1 | 1 |
| 34 | Design database queries to search through each field returning matching results returning false if query returns null | 2 | 2 |
| 35 | Design and implement search results page with visual prompts associated with a false (empty) search and site tabling for searched results if values are returned | 2 | 2 |
| 36 | Implement necessary hyperlinks for site navigation to landing page or for new searches | 1 | 1 |
| 37 | Hard code information within information tabling in database and create tourist user searches to identify and test matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 7 | 7 |

## User Story 5: User Role Swapping

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 38 | Create Form and HTML data for profile page with dynamic fields for user table | 1 | 1 |
| 39 | Design database queries to input and output profile information to display to user | 2 | 1 |
| 40 | Implement dataset queries within backend forms with visual prompts and submission functionality | 2 | 1 |
| 41 | Implement necessary hyperlinks for site navigation and code to only appear once user has logged in | 1 | 1 |
| 42 | Hard code information within user tabling in database. Login using user account, check information, update information through website, then finally check updated information through database (Acceptance Test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 7 | 5 |

## User Story 22: Admin City Map

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 43 | Generate Google API link within Google platform | 1 | 1 |
| 44 | Implement code within HTML to connect through Google API within facility information page | 1 | 1 |
| 45 | Create and implement database queries to introduce data co-ordinates within Google map API | 2 | 1 |
| 46 | Create facility object within facilities table and check visual within introduced map (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 5 | 4 |

## User Story 15: Tourist Park and Zoo Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create landing page for tourist user log in | 1 | 1 |
| 30 | Design database queries to search through each field returning matching results associated with tourist user preferences | 1 | 1 |
| 31 | Create site tabling on tourist landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 32 | Hard code information within information tabling in database and navigate to tourist user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 16: Tourist Mall Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create landing page for tourist user log in | 1 | 1 |
| 30 | Design database queries to search through each field returning matching results associated with tourist user preferences | 1 | 1 |
| 31 | Create site tabling on tourist landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 32 | Hard code information within information tabling in database and navigate to tourist user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 17: Tourist Museum Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create landing page for tourist user log in | 1 | 1 |
| 30 | Design database queries to search through each field returning matching results associated with tourist user preferences | 1 | 1 |
| 31 | Create site tabling on tourist landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 32 | Hard code information within information tabling in database and navigate to tourist user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## User Story 18: Tourist Restaurant Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create landing page for tourist user log in | 1 | 1 |
| 30 | Design database queries to search through each field returning matching results associated with tourist user preferences | 1 | 1 |
| 31 | Create site tabling on tourist landing page that is retroactively sized for searched information and displayed within the table while being labelled clearly | 1 | 1 |
| 32 | Hard code information within information tabling in database and navigate to tourist user landing page to identify and test expected matches (Acceptance Test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |