

Release and Sprint Plans

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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: 29

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

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
	Story Point Sub-Total:	4

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: 24

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	
T02	Set up programming environment	2	
T03	Relationship models	1	
	Story Points: N/A	Total Hours: 4	

Justification:

These 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	
T02	Verification of registration details	2	
T03	Send and store data (encrypted) to database	1	
T04	Style the page	2	
T05	Verify Story is Complete (acceptance test)	0.5	
	Story Points: 2	Total Hours: 6.5	

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	
T02	Verify if one radio button is checked	0.25	
T03	Send and store data (encrypted) to database - when user registers and passes verification details	1	
T04	Verify story is complete (acceptance test)	0.5	
	Story Points: 2	Total Hours: 2	

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	
T02	Create inputs for user registration	0.5	
T03	Add inputted information and store it in the database (Hashed and salted for private information i.e. passwords, emails etc.)	1	
T04	Create login page and add it to the site	0.5	
T05	Retrieve user credentials for logging in	1	
T06	Add link to user registration/login on all pages	0.5	
T07	Implement login section on the home page	0.5	
T08	Verify story is complete (acceptance test)	0.5	
	Story Points: 4	Total Hours: 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	Ensure users can change various settings about the systems functionality	2	
T03	Verify Story is complete (acceptance test)	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	
T02	Provide additional information on said place	2	
T03	Verify story is complete (acceptance test)	0.5	
	Story Points: 8	Total Hours: 6.5	

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	
T02	Keep database encrypted	0	
T03	Verify story is complete (acceptance test)	0.5	
	Story Points: 2	Total Hours: 1.5	

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	
T02	Assure that the code written allows for expandability	0	
T03	Develop code in a fashion that allows reusability of code	0	
T04	Check that the service can be used for more than one location	1	
T05	Verify story is complete (acceptance test)	0.5	
	Story Points: 4	Total Hours: 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.