**Release and Sprint Plans**

**Team 98**

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**Table of Contents**

[**Release 1**](#_30j0zll) **3**

[Login/Registration](#_1fob9te) 3

[Populate User Pages](#_3znysh7) 3

[Administrator Functionality](#_mwhmqqslql50) 3

[Scalability](#_vdnu2y3lu1f8) 3

[**Release 2**](#_9my379869t9) **4**

[Searching](#_tyjcwt) 4

[Mobile accessibility](#_3dy6vkm) 4

[Geolocation and Mapping](#_jr6d2mikbt1u) 4

[**Release 3**](#_1t3h5sf) **5**

[Personalise User Pages](#_4d34og8) 5

[Comment and Rating](#_bzgqcpjlx5jt) 5

[Search Engine Optimisation](#_15ps4gw8dl5l) 5

[**Delivery Schedule**](#_t6aw3luulaf2) **5**

[Estimated Velocity: 33](#_26in1rg) 5

[**Sprint 1**](#_35nkun2) **6**

[Story: As a user I am presented with the login/sign-up page so that I may log in or create an account. (IG-11)](#_2jxsxqh) 6

[Story: As the user I want to be able to create an account on the website so that I can login and use the website. (IG-16)](#_ao1sxdyr9wu5) 6

[Story: As a registered user I can login with my credentials so that the website is catered to me. (IG-3)](#_s6c2fu7n584b) 6

[Story: As a user, I want to have my password salted so that it is difficult to be cracked. (IG-36)](#_q2j3khyww3yt) 7

[Story: As a student/tourist/businessman, I want to be able to browse information about the city, so that I can see relevant information. (IG-34)](#_41hlcn4rga9d) 7

[Story: As a businessman/tourist, I want to be able to browse hotels so that I can see relevant information about these hotels. (IG-29)](#_umrj23o7x856) 7

[Story: As a businessman I want to be able to view information about industries. (IG-39)](#_ku2uzz44o7ms) 7

[Story: As a student I want to be able to browse colleges and libraries so that I can see relevant information on colleges and libraries. (IG-31)](#_rg0eea33eowg) 7

Release Plan

# Release 1

Delivery date: Week 14 Total Story Points: 52

Provide a functioning website wherein users can register/login to accounts. Users are shown pages populated with entries relevant to their user type. Admins are also able to sign in and add other admins, as well as create/edit/delete entries in the database.

## Login/Registration

Users can create an account or sign in to an existing account. Accounts are specified by their user type (either student, businessman or tourist), with admins being able to sign in as well.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-16 | User create account | 3 |
| IG-11 | Redirected to Login page | 3 |
| IG-3 | User can Login | 3 |
| IG-36 | Salted password | 2 |
|  | Story Point Sub-Total: | 11 |

## Populate User Pages

Users can access the pages specific to their user type (student, businessman or tourist). This content is presented in a readable and easily accessed format.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-34 | City Information for all user types | 5 |
| IG-29 | Hotels for Businessmen and Tourist user types | 3 |
| IG-39 | Industries for Businessmen | 2 |
| IG-31 | Libraries & Colleges for Students | 5 |
|  | Story Point Sub-Total: | 15 |

## Administrator Functionality

Admin can access an admin-only page, where they can create other superusers. This can also be used to easily add entries for regular users to see (eg. libraries, hotels, restaurants). This can also be used to edit or remove existing entries.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-38 | As an admin I can create an admin user | 5 |
| IG-94 | Admin is able to modify all database entries and populate it | 8 |
|  | Story Point Sub-Total: | 13 |

## Scalability

Have the system designed so that it can be scalable for future requirements and information, such as information on city bus services, metro rail, government offices, courier services, travel services, education services, health services, and business services.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-12 | Scale the website for the future | 8 |
| IG-7 | Allow information for other cities | 5 |
|  | Story Point Sub-Total: | 13 |

# Release 2

Delivery date: Week 20 Total Story Points: 21

Provide additions and modifications to the base website that allow for higher levels of accessibility and ease of use. Most notably, a search function in order for users to have the power to find specific information. Also planned

## Searching

All users can search through the pages specific to their user type. This can be useful for when users want to search specific places.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-2 | As a user I want to be able to search pages related to me via a search bar so that I can find relevant information to me. | 3 |
| IG-1 | As a user, I want to be able to view search results on a results page, so that I may easily view and browse through them. | 3 |
|  | Story Point Sub-Total: | 6 |

## Mobile accessibility

Users will be able to use the website on their mobile devices, so they can take it with them anywhere they go.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-35 | As a user, I want to be able to access a mobile friendly version of the website, so that I can use it on my mobile effectively. | 5 |
|  | Story Point Sub-Total: | 5 |

## Geolocation and Mapping

By incorporating geolocation and mapping users can search for information that is close to them geographically. It allows for any easier visualisation of where places are situated and allows for better planning for the user.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-95 | Map with data points | 5 |
| IG-26 | Search by geolocation | 5 |
|  | Story Point Sub-Total: | 10 |

# Release 3

Delivery date: Week 20 Total Story Points: 25

A friendly and highly interactive website provides more helpful function. All user’s history (search keyword or visited sites) will be stored to suggest suitable result according to user’s interest. User also allow to leave comment and rating to help improve services and contribute to the community.

## Personalise User Pages

Using user’s history to optimize and improve quality of services and for customer.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-91 | Store recent search key and visited sites | 5 |
| IG-87 | Compare school | 3 |
| IG-88 | Compare restaurant | 3 |
| IG-89 | Clubs and Pub information | 3 |
|  | Story Point Sub-Total: | 14 |

## Comment and Rating

Let’s user give feedback and rating for a site. Result listing prioritises high-rating sites.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-90 | Comment and Rating | 3 |
| IG-93 | Result display by rating | 3 |
|  | Story Point Sub-Total: | 6 |

## Search Engine Optimisation

Modification to the website so that it includes metadata,allowing for the entries to be displayed correctly when shared across social media. As well as allowing search engines to extract data from your site.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| IG-92 | Meta Data for entries | 5 |
|  | Story Point Sub-Total: | 5 |

# Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 |
| Sprint 1 | | | | Sprint 2 | | | |
| Release 1 | | | | Release 1 | | | | |

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

## Estimated Velocity: 33

Sprint Plan

Our sub-tasks are estimated in hours, on average about 4 hours is equal to 1 story point. We have estimated our tasks this way because our stories are quite small, mostly 2 or 3 story points each. If we were to use the same scale to estimate our sub-tasks we would have to increase the estimate of our stories and these estimates would be inaccurate. We needed a way to estimate our sub-tasks and give them values less than 1 story point, so we’ve used hours.

# Sprint 1

**Total Story Points**: 27

**Total Hours**: 104

**Hours per story point**: 3.8

**Estimated Velocity**: 33

## Story: As a user I am presented with the login/sign-up page so that I may log in or create an account. ([IG-11](https://ifb299-group98.atlassian.net/browse/IG-11))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-43 | Write tests | 2 |  |
| IG-53 | Create a login/sign-up page | 3 |  |
| IG-54 | Add option for login | 2 |  |
| IG-55 | Add option for register | 2 |  |
| IG-56 | Add form to email password reset link | 2 |  |
| IG-57 | Verify completion | 1 |  |
|  | Story Points: 3 Total Hours: | 12 |  |

## Story: As the user I want to be able to create an account on the website so that I can login and use the website. ([IG-16](https://ifb299-group98.atlassian.net/browse/IG-16))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-49 | Write tests | 2 |  |
| IG-52 | Write validations | 3 |  |
| IG-50 | Write create account logic incorporating validations | 6 |  |
| IG-51 | Verify completion | 1 |  |
|  | Story Points: 3 Total Hours: | 12 |  |

## Story: As a registered user I can login with my credentials so that the website is catered to me. ([IG-3](https://ifb299-group98.atlassian.net/browse/IG-3))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-44 | Write tests | 2 |  |
| IG-45 | Create validations | 3 |  |
| IG-46 | Write code for unsuccessful login | 3 |  |
| IG-47 | Write code for successful login | 3 |  |
| IG-48 | Verify completion | 1 |  |
|  | Story Points: 3 Total Hours: | 12 |  |

## Story: As a user, I want to have my password salted so that it is difficult to be cracked. ([IG-36](https://ifb299-group98.atlassian.net/browse/IG-36))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-78 | Write tests | 2 |  |
| IG-77 | Automatically salt passwords on user account creation | 3 |  |
| IG-78 | Verify completion | 1 |  |
|  | Story Points: 2 Total Hours: | 7 |  |

## Story: As a student/tourist/businessman, I want to be able to browse information about the city, so that I can see relevant information. ([IG-34](https://ifb299-group98.atlassian.net/browse/IG-34))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-69 | Write tests | 3 |  |
| IG-70 | Create city page | 3 |  |
| IG-72 | Add drop down list allowing users to chose the city information they wish to view (park, zoo, etc.) | 3 |  |
| IG-74 | Create sections that show information about each location type (park, zoo, etc.) | 5 |  |
| IG-75 | Write code to automatically populate sections with city information from database | 3 |  |
| IG-84 | Allow student/tourist/businessman users to access the page | 2 |  |
| IG-73 | Verify completion | 1 |  |
|  | Story Points: 5 Total Hours: | 20 |  |

## Story: As a businessman/tourist, I want to be able to browse hotels so that I can see relevant information about these hotels. [(IG-29](https://ifb299-group98.atlassian.net/browse/IG-29))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-58 | Write tests | 2 |  |
| IG-59 | Create hotels page | 3 |  |
| IG-60 | Automatically populate page with hotel information from database | 3 |  |
| IG-61 | Allow tourist/businessman users to access the page | 2 |  |
| IG-62 | Verify completion | 1 |  |
|  | Story Points: 3 Total Hours: | 12 |  |

## Story: As a businessman I want to be able to view information about industries. ([IG-39](https://ifb299-group98.atlassian.net/browse/IG-39))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-79 | Write tests | 2 |  |
| IG-80 | Create industries page | 3 |  |
| IG-81 | Allow businessman users to access the page | 2 |  |
| IG-82 | Automatically populate page with industry information from database | 3 |  |
| IG-38 | Verify completion | 1 |  |
|  | Story Points: 3 Total Hours: | 11 |  |

## Story: As a student I want to be able to browse colleges and libraries so that I can see relevant information on colleges and libraries. ([IG-31](https://ifb299-group98.atlassian.net/browse/IG-31))

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| IG-62 | Write tests | 2 |  |
| IG-64 | Create college page | 3 |  |
| IG-65 | Create libraries page | 3 |  |
| IG-66 | Automatically populate pages with library/college information from the database | 6 |  |
| IG-67 | Allow student users to access these pages | 3 |  |
| IG-68 | Verify completion | 1 |  |
|  | Story Points: 5 Total Hours: | 18 |  |

## 