**Release and Sprint 1 & 2 Plans**

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Release Plan

# Release 1

Delivery date: 24th Oct 2017 Total Story Points: 25

To provide the initial aspects of the websites to allow the users; Businessman, Tourists, Students and Administrators to log in and log out. This aspect will allow the user to create or log into their account and select which region and user type they are.

## Logging In

Users will be able to log in on this page or create a new account. This will be on the main page when users access the website.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 04 | Searching Page | 4 |
| ID 15 | Login Page | 4 |
| ID 21 | Create New Account | 4 |
| ID 36 | Admin Account Creation | 3 |
|  | Story Point Sub-Total: | 15 |

## Logging Out

Users will be able to log out safely and the session should end once logged out. This means, once the user has terminated the browser, or, have logged out of their user account, the session should be terminated and no longer be running.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 18 | Logging Out features | 2 |
|  | Story Point Sub-Total: | 2 |

## Initial Search Page

Users should be presented, once logged in, the **BASIC** features of the account that the user has created/selected. This allows all users classes to have a basic home page to browse and select the information relevant to them.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 05 | Student Main Page | 2 |
| ID 16 | Tourist Main Page | 2 |
| ID 22 | Businessman Main Page | 2 |
| ID 31 | Admin Data Manipulation | 2 |
|  | Story Point Sub-Total: | 8 |

# Release 1

# Delivery date: 24th Oct 2017 Total Story Points: 38

To provide users in different categories the relevant information specific to their primary user type after logged in. Catered for three basic types of users; Student, Tourist, and Businessman. Basic users can only read given information. Whereas a special type of user; Administrator will be able to create and modify data.

## Student Type Features

Users in this category will only be able to view details of colleges, libraries and city information on their home page.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 02 | Further Education Page | 4 |
| ID 03 | Library Page | 4 |
| ID 10 | Colleges Web Links | 2 |
|  | Story Point Sub-Total: | 10 |

## Tourist Type Features

Users in this category will only be able to view details of hotels and city information on their home page.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 11 | Hotels Selection Page | 4 |
| ID 13 | City Information Page | 3 |
| ID 17 | City Selection Page | 2 |
|  | Story Point Sub-Total: | 9 |

## Businessman Type Features

Users in this category will only be able to view details of hotels, industries and city information on their home page.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 24 | Business Information / Location Access | 4 |
| ID 25 | City Information Rating Access | 3 |
| ID 28 | Locating Hotels | 4 |
|  | Story Point Sub-Total: | 11 |

## Administrator Type Features

Users in this category can create and modify all data for the city. Including uploading relevant maps to the website.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 32 | City Information Page | 2 |
| ID 33 | Information Management | 1 |
| ID 34 | Map Upload | 3 |
| ID 37 | Other City Information | 1 |
| ID 40 | Minimalistic Admin Interface | 1 |
|  | Story Point Sub-Total: | 8 |

# Release 2

Delivery date: 31st Oct 2017 Total Story Points: 18

To enhance our website functionality by adding additional features on their specific homepages to improve user’s experience with new visual changes in the near future.

## Additional Features

Users can utilize these newly implemented functions specialized for their own user types.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 01 | Student Discount Page | 2 |
| ID 19 | Navigation System | 4 |
| ID 23 | Hotel Information Access | 3 |
| ID 26 | Account Security / History | 2 |
| ID 27 | Contacting Businesses | 1 |
|  | Story Point Sub-Total: | 12 |

## Administrator Additional Features

Administrators can better maintain and manage overall website by optimizing these new functions.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID 35 | Search Function | 3 |
| ID 38 | Future Updates | 2 |
| ID 39 | Admin List Viewing | 1 |
|  | Story Point Sub-Total: | 6 |

# 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 | Week 16 | Week 17 |  |  |  |  |
| Sprint 3 | | | |  | |  | |
| Release 2 | | | | | | | |

Estimated Velocity: 32 Days per Sprint

Sprint Plan

# Sprint 1

Total Story Points: 17 Total Hours: 70

Current Velocity: Current Velocity is 17 days, assuming story point is equal to 1 ideal working day (5 hours)

## Story ID 15: Login Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create a login box | 5 | 4 |
| T02 | Allow login box to log registered user in | 5 | 4 |
| T03 | Write code to retrieve username and password from database | 5 | 3 |
| T04 | Verify story is complete (Acceptance Test) | 5 | 5 |
|  | Story Points: 4 Total Hours: | 20 | 16 |

## Story ID 21: Create New Account

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T05 | Create a section for creating new account | 4 | 3 |
| T06 | Allow users to register a new account | 4 | 4 |
| T07 | Write code to ensure username is valid | 4 | 3 |
| T08 | Add new user’s username and password to database | 4 | 5 |
| T09 | Verify story is complete (Acceptance Test) | 4 | 4 |
|  | Story Points: 4 Total Hours: | 20 | 19 |

## Story ID 05: Student Main Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T10 | Create section for colleges, libraries and city information | 3 | 2 |
| T11 | Code to retrieve selected information from database | 2 | 2 |
| T12 | Edit page to show only relevant data (Selected Places) | 2 | 2 |
| T13 | Verify story is complete (Acceptance Test) | 3 | 2 |
|  | Story Points: 3 Total Hours: | 10 | 8 |

## Story ID 16: Tourist Main Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T14 | Create section for hotels and city information | 4 | 3 |
| T15 | Code to retrieve selected information from database | 2 | 3 |
| T16 | Edit page to show only relevant data (Selected Places) | 2 | 2 |
| T17 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 3 Total Hours: | 10 | 11 |

## Story ID 22: Businessman Main Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T18 | Create section for hotel, industries and city information | 4 | 3 |
| T19 | Code to retrieve selected information from database | 1 | 3 |
| T20 | Edit page to show only relevant data (Selected Places) | 3 | 2 |
| T21 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 3 Total Hours: | 10 | 11 |

# Sprint 2

Total Story Points: 24 Total Hours: 84

Current Velocity: Current Velocity is 24 days, assuming story point is equal to 1 ideal working day (5 hours)

## Story ID 31: Admin Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T22 | Allow only administrator users control to edit all pages | 2 | 1 |
| T23 | Function to allow admin to add information | 1 | 1 |
| T24 | Function to allow admin to modify information | 1 | 1 |
| T25 | Function to allow admin to delete information | 1 | 1 |
| T26 | Button for administrator to add / delete maps | 4 | 3 |
| T27 | Button for administrator to add / delete users | 4 | 3 |
| T28 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 4 Total Hours: | 15 | 12 |

## Story ID 29: City Selection Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Allow users to choose different cities | 4 | 2 |
| T30 | Edit page to allow all users access to different information | 2 | 1 |
| T31 | Code to retrieve different information on each city selection | 3 | 2 |
| T32 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 3 Total Hours: | 11 | 8 |

## Story ID 36: Admin Creation Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T33 | Restrict admin creation page view to only admin users | 2 | 2 |
| T34 | Allow a user to request an administration page | 4 | 3 |
| T35 | Allow the admin to approve / disapprove of requests | 4 | 3 |
| T36 | Edit page to allow creation of other admin accounts | 3 | 2 |
| T37 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 4 Total Hours: | 15 | 13 |

## Story ID 18: Logging Out

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T38 | Add a logout box to user’s page after logging in | 5 | 4 |
| T39 | Write test cases for logging out | 5 | 3 |
| T40 | Write code to clear username and password from session | 5 | 4 |
| T41 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 2 Total Hours: | 17 | 14 |

## Story ID 09: Events Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T42 | Write code to allow admin to add events or get it from RSS feed | 3 | 2 |
| T43 | Events are displayed on the Smart City main page | 1 | 1 |
| T44 | Events are arranged from earliest to latest | 1 | 1 |
| T45 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 3 Total Hours: | 7 | 7 |

## Story ID 07: User Features

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T46 | Add ratings to information provided (Colleges, Hotels, Businesses etc) | 3 | 2 |
| T47 | Code to retrieve Colleges contact information from DB | 1 | 1 |
| T48 | Code to retrieve Hotels contact information from DB | 1 | 1 |
| T49 | Code to retrieve contact information for City information from DB | 1 | 1 |
| T50 | Code to retrieve Business contact information from DB | 1 | 1 |
| T51 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 4 Total Hours: | 9 | 9 |

## Story ID 44: Database Creation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T52 | Write SQL script to create database for Smart City | 4 | 3 |
| T53 | Write test data using INSERT command to populate database | 2 | 2 |
| T54 | Write test data using INSERT command to populate database | 2 | 2 |
| T55 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 4 Total Hours: | 10 | 9 |