Release and Sprint Plans

Group 45

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Version: 2.5  
Date: 31/10/2017

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Release Plan

# Release 1

Delivery date: 4th October, 2017 Total Story Points: 21

This release incorporates all the vital elements to run and use the web-service. Users will be able to register and authenticate to our service. For instance, administrators will be able to add or update new information. Users will be able to search for places.

## Searching

This feature enables users to search the website and associated database to find specific destinations quickly. This adds business value as it increases user usability and ease of use of the website.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 37 | User Search | 3 |
| 18 | Search Result Paging | 1 |
|  | Story Point Sub-Total: | 4 |

## User Authentication

This feature allows users to login to an account and remain logged in while continuing to use the website, which adds business value by giving the user to continuous access to their account and providing smooth use of the service.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 4 | Login to account | 2 |
| 5 | Manage User Session | 1 |
|  | Story Point Sub-Total: | 3 |

## User Account

This feature allows users to create a user account and access the functionality of the website. This adds business value through creating a more personalised experience for the user with reference to details they have provided.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 3 | Create User Account | 2 |
| 22 | User Profile | 3 |
|  | Story Point Sub-Total: | 5 |

## Administration Functionality

This feature enables the web-system to be updated and modified efficiently, including the potential to add new cities. This adds business value as more admins are able to monitor the web-system to maintain the destinations provided to users have accurate information and potentially reach a bigger user group.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 8 | Admin Control Panel | 2 |
| 7 | Admin Account Creation | 2 |
| 13 | Extendable System | 1 |
|  | Story Point Sub-Total: | 5 |

## Display Information

This feature allows the user to navigate the website’s database in an easy to read manner and access information on places they are interested in quickly and easily. This adds business value as users are able to find information about the city they are in.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 1 | Show Recommended Information | 3 |
| 11 | Saved Places/Pages | 2 |
| 20 | Anchored Menu Navigation | 1 |
| 24 | Individual Item Page | 2 |
| 39 | Individual Category Page | 3 |
|  | Story Point Sub-Total: | 11 |

# Release 2

Delivery date: 1st November, 2017 Total Story Points: 27

This release builds off the first release items and provides extra functionality on the web-service for the user. Additional functionality incorporates reviews, producing more information, improving display, and website accuracy.

## Reviews

This feature adds business value to the website by allowing users to leave their experience directly to the site and gives others the opportunity to see how others viewed the location before going there themselves.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 25 | Write User Reviews | 2 |
| 27 | Show Reviews/Rating | 1 |
|  | Story Point Sub-Total: | 3 |

## Extra User Usability

This feature adds business value to SmartCity by allowing users to modify the way they view the website to best suit their needs or by removing their account.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 32 | Remove User Account | 1 |
| 16 | Sort Search Results | 2 |
|  | Story Point Sub-Total: | 3 |

## More Information for User

This feature adds business value to SmartCity by allowing users to see important information about the destinations without having to go onto another third-party website (such as a weather website or onto google maps separately). In other words, it adds value by making the user’s lives easier.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 42 | Weather API | 2 |
| 45 | Contact Details | 1 |
| 40 | Integrated Maps | 2 |
|  | Story Point Sub-Total: | 5 |

## Website Display

This feature adds business value to SmartCity by ensuring users can use the webservice on any device which can access a web browser and internet. This also ensures the website has business value by being visually engaging and professional, ensuring users feel that the webservice is reputable and appealing.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 44 | Website Appearance | 3 |
| 41 | Mobile Friendly Website | 3 |
|  | Story Point Sub-Total: | 6 |

## Website Accuracy

These user stories create better functionality and accuracy of the SmartCity webservice and hence create business value for users as the website would not be buggy and have all intended usability.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 43 | Unit Tests | 2 |
| 46 | Verify Website | 2 |
|  | Story Point Sub-Total: | 4 |

# Release 3

Delivery date: To be decided. Total Story Points: 5

This release builds off the other release items and provides extra functionality on the web-service for the user.

## Forgot Password

This feature adds business value by allowing users to recover their accounts instead of having to re-create a new account to access the website. This also ensures users are kept and not lost due to forgetting their password and not wanting to re-create a new account as they would lose their previously saved places.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 36 | Forgot Password | 2 |
|  | Story Point Sub-Total: | 2 |

## Geo-location

This feature adds business value by allowing users to find destinations close by to where they currently are, but only after users provide permission for this feature to access their location.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 36 | Search by Geo-location | 3 |
|  | Story Point Sub-Total: | 3 |

# Additional user stories to be added later.

# 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 2 | | | |

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

## Estimated Velocity: 25

SPRINT PLAN

# SPRINT 1

Total Story Points: 28  
Total Hours: 34.5  
Current Velocity: Not defined

## Story ID: Create User Account | Priority 1

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create user sign up form | 30 mins | 30mins |
| 2 | Create client-side code for validation and request response from the server | 30 mins | 1.5hr |
| 3 | Create a User table in the database | 30mins | 30mins |
| 4 | Write server-side code to handle request from the signup form and add new users to the database | 30 mins | 2hr |
| 5 | Perform unit tests/acceptance tests | 1 hr | 30min |
|  | Story Points: 2 Total Hours: | 3 hr | 5 hr |

## Story ID: Login To Account| Priority 2

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 6 | Create login form for users to specify their details. | 30min | 1hr |
| 7 | Write client-side code to handle input validation and request response from the server | 30min | 30min |
| 8 | Write client-side code to handle request from the login form and establish user session | 30min | 2hr |
| 9 | Write unit tests | 30min | 30min |
| 10 | Perform unit tests/acceptance tests | 1 hr |  |
|  | Story Points: 2 Total Hours: | 3 hr |  |

## Story ID: Manage User Session | Priority 3

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 11 | Wrote code to configure and manage user session (Establish upon login and destroy when logged out) | 1hr | 30min |
|  | Story Points: 1 Total Hours: | 1hr | 30 min |

## 

## Story ID: Show Recommended Information | Priority 4

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 12 | Create unit tests for acceptance criteria | 1hr | 1hr |
| 13 | Create individual category buttons to show primary information based on reading user's session type. | 2hr | 4 hr |
| 14 | Create Django functionality for pages | 1.5hr | 4 hr |
| 15 | Perform unit tests/acceptance tests | 20min | 15min |
|  | Story Points: 3 Total Hours: | 5hr 30min | 9hr 15min |

## Story ID: Individual Item Page | Priority 5

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 16 | Create Individual item page | 1hr | 1hr |
| 17 | Write code to request and display destination's information including name, address, opening hours, contact number, and description of the place | 1hr | 3hr |
| 19 | Perform unit tests/acceptance tests | 1hr | 45 min |
|  | Story Points: 2 Total Hours: | 3 hr | 4hr 45min |

## Story ID: Anchored Navigation Bar | Priority 6

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 20 | Create menus to click through links to other important pages on the website | 30min | 30mins |
| 21 | Perform unit tests/acceptance tests | 1hr | 30mins |
|  | Story Points: 1 Total Hours: | 1.5hr | 1hr |

## Story ID: User Search | Priority 7

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 22 | Inside the navigation bar, add a form using bootstrap and appropriate event handler to manage form submission and request to the server | 1hr | 1hr |
| 23 | Create a search result page | 1hr | 2hr |
| 24 | Write a code to retrieve the results from the database using the search keyword and update the view. | 2hr | 2hr |
| 25 | Perform unit tests/acceptance tests | 1hr | 30min |
|  | Story Points: 3 Total Hours: | 5hr | 5.5hr |

## 

## Story ID: Administrator Account Creation | Priority 13

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 26 | Create admin account creation page and client side code to submit request to the server. | 1hr | 2hr |
| 27 | Write server side code to verify request and create admin account | 1hr | 2hr |
| 28 | Perform unit tests/acceptance tests | 1hr | 1hr |
|  | Story Points: 2 Total Hours: | 3hr | 5hr |

## Story ID: Admin Control Panel | Priority 8

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 29 | Create an admin control panel page and editing functionality to individual item page. | 1hr | 30min |
| 30 | Write client side code to handle the request and response from the server. | 1hr | 1 hr |
| 31 | Perform unit tests/acceptance tests. | 1hr | 0 min |
|  | Story Points: 2 Total Hours: | 3hr | 1.5hr |

**Story ID: Individual Category Page | Priority 10**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 32 | Create tests | 30min | 45min |
| 33 | Create html pages for all categories individually | 1hr | 1.5 hr |
| 34 | Create Django functionality for pages | 2hr | 4.5 hr |
| 35 | Perform unit tests/acceptance tests. | 1hr | 15min |
|  | Story Points: 3 Total Hours: | 4.5hr | 7 hrs |

**Story ID: User Profile | Priority 11**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 36 | Create html page with a form for user profile and edit button | 1hr | 1hr |
| 37 | Add html link to navigation bar | 10 mins | 10 min |
| 38 | Create Django functionality to display populated fields from database | 1hr | 2hr |
| 39 | Create code in Django to update model information | 2hr | 2.5hr |
| 40 | Create and perform unit tests/acceptance tests. | 1hr | 1hr |
|  | Story Points: 3 Total Hours: | 4.5hr | 7 hrs |

**Story ID: Saved Pages | Priority 12**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 41 | Add button to item page | 10min | 10min |
| 42 | Change text on button when clicked | 10min | 10min |
| 43 | Save a new row into SavedPlace model | 30min | 30min |
| 44 | Add a link to the navigation menu to the saved places page | 10min | 10min |
| 45 | Create a html page | 30min | 10min |
| 46 | Populate saved places page with location names of the saved locations with links to their individual item page | 30min | 10min |
| 47 | Add view function to add and remove Saved Place | 1hr | 30min |
|  | Story Points: 2 Total Hours: | 3hr | 1hr 50min |

**Story ID: Search Result Paging | Priority 9**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 48 | Add server side code to enable pagination | 10min | 10min |
|  | Story Points: 1 Total Hours: | 10min | 10min |

**Story ID: Extendable System | Priority 14**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 49 | Add a states model to website | 30min | 30min |
| 50 | Add ‘postcode’ field for users to quickly find the state that they live in when first setting up their account so once the system does include other states, the website can easily locate them and present information relevant to their state only | 1hr | 1hr |
|  | Story Points: 1 Total Hours: | 1.5 hr | 1.5 hr |

# SPRINT 2

Total Story Points: 21  
Total Hours: 33   
Current Velocity: 28

**Story ID: Integrated Maps | Priority 1**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Modify individual item page html to include google maps frame | 20min | 20min |
| 2 | Integrate Google Map API to individual item page | 2hr | 1.5hr |
|  | Story Points: 2 Total Hours: | 2hr 20min | 1hr 50min |

**Story ID: Website Appearance| Priority 8**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 3 | Edit CSS file to incorporate common theme items for all web pages | 3hr | 2hr |
| 4 | Edit all html pages to incorporate the CSS file classes/fields | 3hr | 5hr |
|  | Story Points: 3 Total Hours: | 6hr | 7hr |

**Story ID: Mobile Friendly Website| Priority 7**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 5 | Using grid, bootstrap columns, and css, ensure all pages are responsive to device used to browse SmartCity | 6hr |  |
|  | Story Points: 3 Total Hours: | 6hr |  |

**Story ID: Write User Reviews | Priority 2**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 6 | Create a new table/model called Reviews to store all written reviews, ratings and place name | 10min | 10min |
| 7 | Create a button on an individual item page labelled “Write Review” with associated form | 10min | 10min |
| 8 | Create view functionality to allow a new pop up window to appear once “Write Review” button is pressed | 1.5hr | 2hr |
| 9 | Create textbox which allows user input in a written review, a radio button option for values 0 – 5 to allow users to leave a rating, and a button labelled “Submit review” | 1.5hr |  |
|  | Story Points: 2 Total Hours: | 3hr 20min |  |

**Story ID: Show User Reviews | Priority 3**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 10 | Modify view functionality to pass Review model variables into template | 30min | 50min |
| 11 | Modify individual item page template to display review functionality | 30min |  |
|  | Story Points: 1 Total Hours: | 1 hr |  |

**Story ID: Weather API | Priority 9**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 12 | Add a script to connect to a weather API service to retrieve data | 1.5hr |  |
| 13 | Add an html element that displays the weather information to users | 1.5hr |  |
|  | Story Points: 2 Total Hours: | 3hr |  |

**Story ID: Sort Search Results | Priority 4**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 14 | Add dropdown form to search result page template(html) and associated form | 1hr | 1hr |
| 15 | Modify view functionality for search result page to incorporate variables for different methods of sorting results (alphabetically, date added, individual category) | 1.5hr | 1.5hr |
|  | Story Points: 2 Total Hours: | 2.5hr | 2.5hr |

**Story ID: Remove User Account | Priority 10**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 16 | Modify current view functionality to allow removal of user data from user model for currently logged in user | 20min | 20min |
| 17 | Create button on user account/profile template which says, “Delete Account” with associated form | 10mins | 10min |
|  | Story Points: 1 Total Hours: | 30mins | 30mins |

**Story ID: Contact Details | Priority 11**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 19 | Create new .html page which displays contact email and phone number for SmartCity | 30min | 40min |
| 20 | Update “Contact Us” button from search results html page to direct to new contact us html page | 10mins | 10min |
| 21 | Update url.py to include new contact url | 5min | 5min |
|  | Story Points: 1 Total Hours: | 45min | 55min |

**Story ID: Verify Website | Priority 5**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 22 | Verify “Create User Account” user story is complete | 10 min |  |
| 23 | Verify “Login To Account” user story is complete | 10 min |  |
| 24 | Verify “Manage User Session” user story is complete | 10 min |  |
| 25 | Verify “Show Recommended Information” user story is complete | 10 min |  |
| 26 | Verify “Individual Item Page” user story is complete | 10 min |  |
| 27 | Verify “Anchored Navigation Bar” user story is complete | 10 min |  |
| 28 | Verify “User Search” user story is complete | 10 min |  |
| 29 | Verify “Admin Control Panel” user story is complete | 10 min |  |
| 30 | Verify “Individual Category Page” user story is complete | 10 min |  |
| 31 | Verify “User Profile” user story is complete | 10 min |  |
| 32 | Verify “Saved Pages” user story is complete | 10 min |  |
| 33 | Verify “Search Results Paging” user story is complete | 10 min |  |
| 34 | Verify “Integrated Maps” user story is complete | 10 min |  |
| 35 | Verify “Website Appearance” user story is complete | 10 min |  |
| 36 | Verify “Mobile Friendly Website” user story is complete | 10 min |  |
| 37 | Verify “Write User Reviews” user story is complete | 10 min |  |
| 38 | Verify “Show User Reviews” user story is complete | 10 min |  |
| 39 | Verify “Weather API” user story is complete | 10 min |  |
| 40 | Verify “Sort Search Results” user story is complete | 10 min |  |
| 41 | Verify “Remove User Account” user story is complete | 10 min |  |
| 42 | Verify “Forgot Password” user story is complete | 10 min |  |
| 43 | Verify “Contact Details” user story is complete | 10 min |  |
|  | Story Points: 2 Total Hours: | 3hr 40min |  |

**Story ID: Unit Tests | Priority 6**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 44 | * For all views in views.py, create tests to see if status code returned is accurate | 30min | 30min |
| 45 | * For all views in view.py, create tests for general functionality of each view | 1.5hr | 2hr |
| 46 | * For all models, create tests to identify if item is instantiated accurately | 30min | 45min |
| 47 | * For all forms, create tests to ensure all information passed through is valid | 1.5hr | 1.5hr |
| 48 | * For all forms, create tests to ensure all information when passed through incorrectly returns an error | 1hr | 1hr |
|  | Story Points: 2 Total Hours: | 5hr | 5hr 45min |