

# Release and Sprint Plans

## Team 44

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Version: 1

Date: 30/08/17

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# Release Plan

## Release 1

Delivery date: 1<sup>st</sup> November 2017

Total Story Points: 34

A working prototype of the smart city system will be developed based on the requirement from the client. The system will provide an initial website that will provide detailed information about the city. Each user will be able to create an account while selecting their preferred user type. Based on the information logged in registered users will be able to view information that is relevant to their user type. Admin user is created to give permission to modify the website.

### Website

Main landing website, the users can view the city information. Aesthetically pleasing page with easy navigation layout. Clear location of identifiable registration and login buttons.

Story ID	Story Title	Story Points
S1	Welcome page	2
Story Point Sub-Total:		2

### Database

MySQL database that contains and stores all the information displayed on the system

Story ID	Story Title	Story Points
S4	Detailed city information	3
S5	City database manipulation	1
S6	Database rows	1
U11	City information database	1
U12	Database segmentation	1
U19	Update / Create for data	1
Story Point Sub-Total:		8

### Account system

A system that handles the login and logout process. Users account detailed is kept confidentially

Story ID	Story Title	Story Points
U6	Account login	4
U7	Account logout	1
U8	Account security	2
Story Point Sub-Total:		7

### User Account

Each user can register new account while selected their preferred user type. Users are able to update details and also able to change user type based on their current needs.

Story ID	Story Title	Story Points
U1	Account creation	3
U2	Account type	3

Story Point Sub-Total: 6
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### Administrator Account

Admin is provided with admin account which gives privileges to the website. Admin will have their own admin landing page and have the sole permission to create another admin account

Story ID	Story Title	Story Points
U3	Admin account	3
U4	Admin account page	2
U15	Other Admins	2
Story Point Sub-Total:		7

### Detailed Information

Users are able to view highly detailed information of the city in sub categories which contain all the relevant information of the city.

Story ID	Story Title	Story Points
U17	City information	2
U18	Industries information	2
Story Point Sub-Total:		4

## Release 2

Delivery date: To be negotiated

Total Story Points: 31

Provide users with additional information on the other cities and new functionalities which consist of interactive map and search tool. New admin only features that allow much deeper customisation of the website. The users account type can also be changed so that users are not only limited to the user type that was selected from the initial registration.

### System Features

A feature that brings interactive feature of the system. Users are able to search quickly for the information and also have the interactive map of the city.

Story ID	Story Title	Story Points
U10	Search system	3
U13	Map data	3
Story Point Sub-Total:		6

### Administrator Features

Admin has the sole ability to edit/modify the contents of the website. Admin can upload maps and control the registered user's account.

Story ID	Story Title	Story Points
S2	Admin website customisation	3
S3	Map upload	1
U5	User management	2
Story Point Sub-Total:		6

### User Enhancements

Provide registered users with extra features to update and recovery their account information. Users are also able to change their current user types to access other information.

Story ID	Story Title	Story Points
U9	Account recovery	4
U14	Change user type	2
U16	Update account information	3
Story Point Sub-Total:		9

### More City Information

Implementation of additional Australian cities and addition of new city services that were not featured in the previous version.

Story ID	Story Title	Story Points
O5	Different cities	5
O6	More city information	5
Story Point Sub-Total:		10

### Release 3

Delivery date: To be negotiated

Total Story Points: 35

List of all the optional non-mandatory recommended features that could bring more value to the business from both client and the developers. To gain scalability to accommodate changing demands from the users of the system.

### Mobile application

Standalone mobile application designed specifically for mobile devices (iOS and Android) to gain more users

Story ID	Story Title	Story Points
O7	Mobile application	8
Story Point Sub-Total:		8

### Feedback, Forum and Social Media

Features that are less important to the system but could bring more value to both business and the users. Online forum and social media integration bring more active interaction between users and feedback that could benefit the business for further improvement of the system.

Story ID	Story Title	Story Points
O2	Feedback page	3
O3	Social media integration	1
O4	Online forum	5
Story Point Sub-Total:		9

## Extra Useful Features

Very useful feature that could bring more value to the users using the system. Users will benefit from these extra features which brings much more efficiency for regular users of the system

Story ID	Story Title	Story Points
O8	Rating system	4
O9	Calendar system	3
O10	Favourite feature	3
Story Point Sub-Total:		10

## Language Feature

Users will be able to change the displayed language of the website to their preferred language

Story ID	Story Title	Story Points
O1	Language options	8
Story Point Sub-Total:		8

## 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 3, 4, ...							

## Estimated Velocity:

$[(5 \text{ members} * 2 \text{ hrs/day} * 5 \text{ days} * 4 \text{ weeks (20days)})/3]$

200 potential days = 67 ideal days per sprint

# Sprint Plan

## Sprint 1

Total Story Points: 28

Total Hours: 73

Current Velocity: Undefined

### Story S1: Welcome page

Task ID	Task Description	Estimate	Taken
T01	Create a landing page with basic layout that shows City information in tiled format	2	
T02	Create buttons for login and registration	0.5	
T03	Test the landing page with different web browsers	1	
T04	Verify story is complete (acceptance test)	1	
Story Points: 2		Total Hours:	4.5

### Story U3: Admin account

Task ID	Task Description	Estimate	Taken
T05	Create a unique admin login page	1	
T06	Create account registration tool for creating another new admin account	2	
T07	Create a tool for create and edit data	2	
T08	Write test cases	1	
T09	Verify story is complete (acceptance test)	1	
Story Points: 3		Total Hours:	7

### Story U1: Account creation

Task ID	Task Description	Estimate	Taken
T10	Create a registration page that contains mandatory field plus optional field	2	
T11	Validation check for the invalid data entry for the registration field	2	
T12	Create a validation message after successful account is created	1	
T13	Create database to save users information	1	
T14	Write test cases	1	
T15	Verify story is complete (acceptance test)	1	
Story Points: 3		Total Hours:	8

### Story U6: Account login

Task ID	Task Description	Estimate	Taken
T16	Create a login page with user name and password entry	2	
T17	Implement of login function	3	
T18	Verify successful login and unsuccessful login	1	
T19	Create personalised page for the login user	4	



<b>T20</b>	Write test cases	1
<b>T21</b>	Verify story is complete (acceptance test)	1
Story Points: 4		Total Hours: 12

#### Story S4: Detailed city information

Task ID	Task Description	Estimate	Taken
<b>T16</b>	Design a database structure with sub categories	2	
<b>T17</b>	Create database	1	
<b>T18</b>	Fill up the database with requested information	2	
<b>T19</b>	Write test cases	2	
<b>T20</b>	Verify story is complete (acceptance test)	1	
Story Points: 3		Total Hours: 8	

#### Story U17: City information

Task ID	Task Description	Estimate	Taken
<b>T21</b>	Design a database structure consists of park, zoo, museum, restaurant and mall	2	
<b>T22</b>	Categorise each with name, address, phone and email	1	
<b>T23</b>	Write test cases	1	
<b>T24</b>	Verify story is complete (acceptance test)	1	
Story Points: 2		Total Hours: 5	

#### Story U4: Admin account page

Task ID	Task Description	Estimate	Taken
<b>T25</b>	Create Admin account landing page	2	
<b>T26</b>	Write test cases	2	
<b>T27</b>	Verify story is complete (acceptance test)	1	
Story Points: 2		Total Hours: 5	

#### Story U2: Account type

Task ID	Task Description	Estimate	Taken
<b>T28</b>	Create three separate landing pages for "Student, Business and Tourist"	4	
<b>T29</b>	Link the related database for each pages	2	
<b>T30</b>	Write test cases	1	
<b>T31</b>	Verify story is complete (acceptance test)	1	
Story Points: 3		Total Hours: 8	

#### Story U18: Industries information

Task ID	Task Description	Estimate	Taken
<b>T32</b>	Design a database structure consists of college, library, industry and hotel	2	
<b>T33</b>	Categorise library and hotels with name, address, phone number and email	0.5	

<b>T34</b>	Categorise college with name, address, departments and email	0.25
<b>T35</b>	Categorise industry with name, address, type and email	0.25
<b>T36</b>	Write test cases	1
<b>T37</b>	Verify story is complete (acceptance test)	1
Story Points: 2		Total Hours: 5

#### Story U4: Account security

Task ID	Task Description	Estimate	Taken
<b>T38</b>	Integrate CAPTCHA for login page	2	
<b>T39</b>	Encrypted users stored password in DB (salt & hash)	1	
<b>T39</b>	Write test cases	1	
<b>T40</b>	Verify story is complete (acceptance test)	1	
Story Points: 2		Total Hours: 5	

#### Story U7: Account Logout

Task ID	Task Description	Estimate	Taken
<b>T41</b>	Create logout button for every page (on the menu)	1	
<b>T42</b>	Verify successful logout	0.5	
<b>T43</b>	Implement the clear session data process	2	
<b>T39</b>	Write test cases	1	
<b>T40</b>	Verify story is complete (acceptance test)	1	
Story Points: 2		Total Hours: 5.5	