Smart City Project

SMART CITY

Prepared for

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Prepared by

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Application Design and Development IFB299

Queensland University of Technology

Submitted on
1 November 2017

Sprint/Release Plan

Release 1 Sprint 1

Delivery Date: 29 September 2017   Total Story Points: 30

Provide a basic working web based system with database that allows users to create accounts and see information on Brisbane city. Users will be able to view information related to their account type: student, business, tourist.

Website access

A website for users to create accounts and log in

Story ID	Story Title	Story Points
S01	Welcome Page	4
S02	Create new account	4
S03	Login*	4
	Story Point Sub- Total	12
	Updated Story Point Sub- Total	8

Users

Create Susan's administrator account and give administrators ability to create other administrator accounts, create and modify database data.

Story ID	Story Title	Story Points
S05	Student homepage	2
S06	Tourist homepage	2
S07	Business homepage	2
S08	Admin account	4
	Story Point Sub- Total	10

Database

Create a database of city information and allow user types to view information relevant to their account type.

Story ID	Story Title	Story Points
S10	**Create Database**	**4**
S11	**Populate Database**	**4**
	Story Point Sub- Total	**8**

* Login story got rolled over due to incompletion in Sprint 1.

Release 1 Sprint 2

Delivery Date: 3 November 2017   Total Story Point: 20

Implement extra functionality such as security of user data, user ability to save information.

User abilities

Give the users extra abilities

Story ID	Story Title	Story Points
S04	**Other views**	**4**
S14	**Saving Attractions***	**4**
	Story Point Sub- Total	**8**
	Updated Story Point Sub- Total	**4**

Admin abilities

Give the users extra abilities

Story ID	Story Title	Story Points

S09	Create more admin accounts	4
S18	Upload map	4
	Story Point Sub- Total	8

User Communications
Give the users extra abilities

Story ID	Story Title	Story Points
S20	Information Tab	2
S22	Email Updates*	2
	Story Point Sub- Total	4
S03	Login	4
	Updated Story Point Sub- Total	6

* Saving attractions and email updates stories got rolled over to Release 2

Release 2

Delivery Date: To be negotiated   Total Story Point: 48

Implement extra features, more languages, more cities

Extra Features

Story ID	Story Title	Story Points
S12	Other cities	8
S13	Public Service Information	8

S15	Location Utilization	8
S16	Languages available	8
S19	Comparing Attractions	4
S21	Online Question Chat	8
	Story Point Sub- Total	44
s14	Saving Attractions	4
s22	Email updates	4
	Updated Story Point Sub- Total	52

Security

Create security measures for user and database information.

Story ID	Story Title	Story Points
S17	Secure Data	4
	Story Point Sub- Total	4

Burndown Chart

Graph 1 (below): Burndown chart showing he estimated velocity of Sprint 1, and the actual story points completed
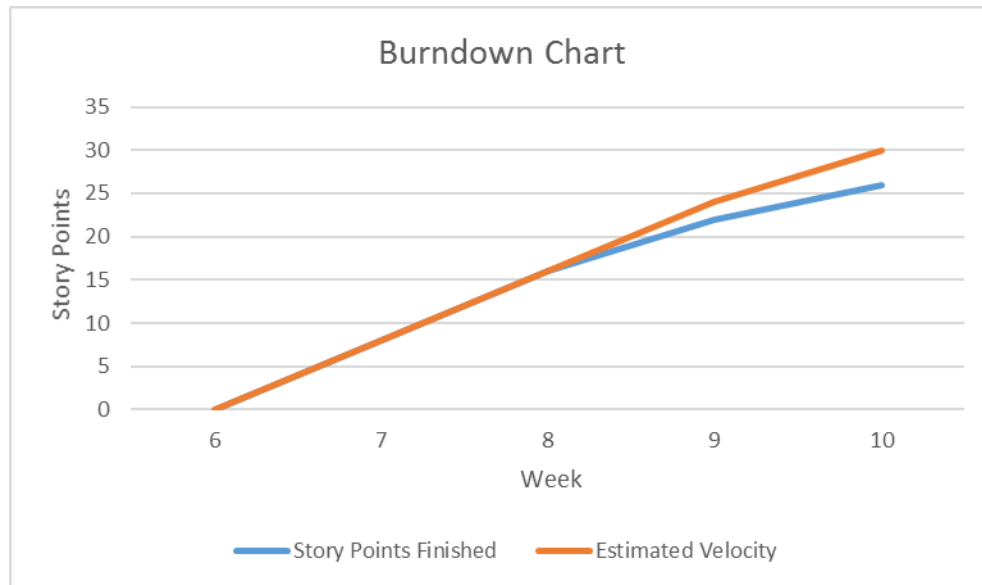
Graph 2 (below): Burndown chart showing the estimated velocity of Sprint 2, and the actual story points completed
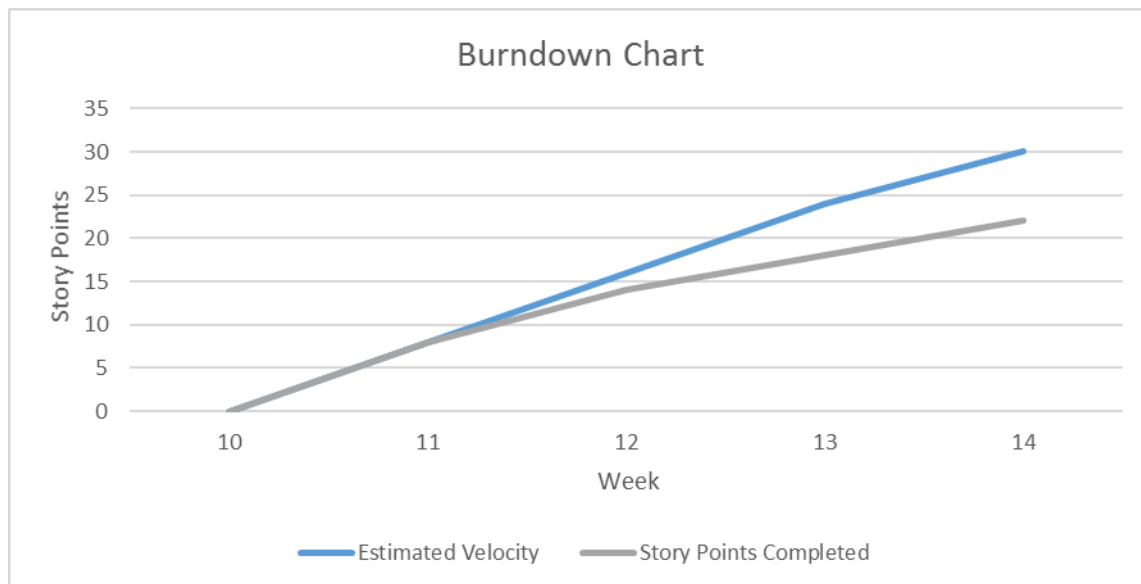
Sprint 1:

Week	Estimated Velocity	Story Points Completed	Estimated Velocity
6	0	0	0
7	8	8	8
8	16	16	16
9	24	22	24
10	30	26	30

Sprint 2:

Week	Estimated Velocity	Story Points Completed	Story Points Remaining
10	0	0	30
11	8	8	22
12	16	14	16
13	24	18	12
14	30	22	8

Completed by: Nafisa Anzum

Meeting Minutes

Week 10 Tutorial (4/10/17)

Updated the release and sprint plans

- Included new user stories
- Satisfied client needs

Completed the team retrospective

- Addressed what was done well and what was not done well
- Conversation about what can be improved for Release 2

Began work on the data model component of the project

Split up work amongst team members

- Data model preparation
- Database design
- SQL create script
- Rest data to populate the database

Week 13 Tutorial (25/10/17)

Final product checks

- All URL's working
- Fonts
- Spelling

Manal testing completed

Discussion regarding release plan/burndown chart

- What has been completed
- What needs to be moved into release 2

Discussion regarding team retrospective

- Updating velocity

Completed by: Xander O'Dempsey

User Acceptance Testing

Serial Number	Test case description	Entry criteria	Exit criteria	Expected result	Actual result	Test date	Test pass/fail
001	Test registration username with invalid characters.	User details include username with invalid characters	Does not create account.	Throws error specifying username is invalid.	Throws error specifying username is invalid.	31/10/17	Pass

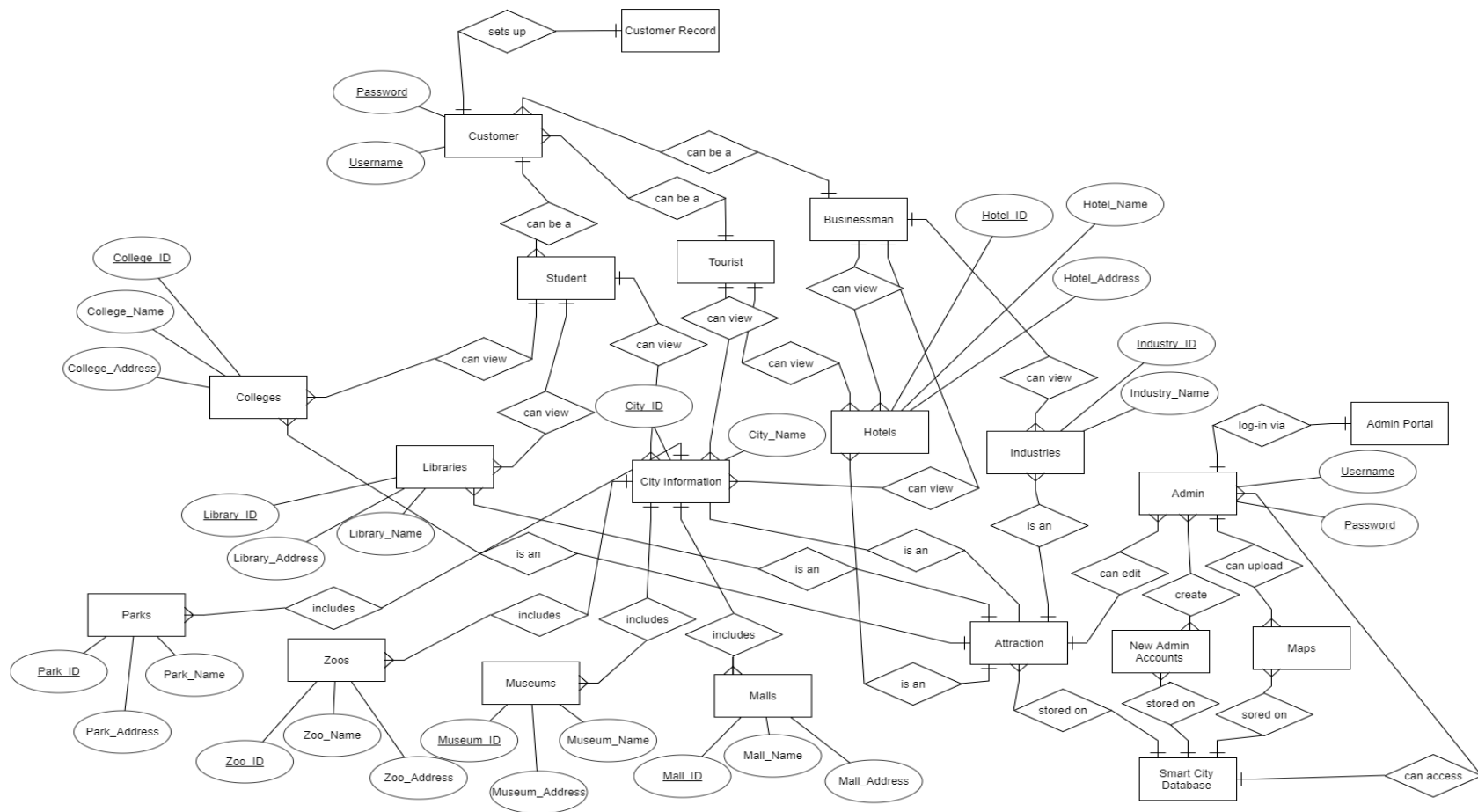| Serial Number	Test case description	Entry criteria	Exit criteria	Expected result	Actual result	Test date	Test pass/fail
002	Test short password	User details include password that is too short.	Does not create account	Throws error specifying password is too short.	Throws error specifying password is too short.	31/10/17	Pass

Serial Number	Test case description	Entry criteria	Exit criteria	Expected result	Actual result	Test date	Test pass/fail
003	Test password with no letters	User details include password with no letters.	Does not create account.	Throws error specifying password cannot be entirely numerical.	Throws error specifying password cannot be entirely numerical.	31/10/17	Pass

Serial Number	Test case description	Entry criteria	Exit criteria	Expected result	Actual result	Test date	Test pass/fail
004	Test common password	User details include password that is too similar to username.	Does not create account.	Throws error specifying password is too similar to username.	Throws error specifying password is too similar to username.	31/10/17	Pass

Completed by: Joel Sanderson

ER Diagram

Diagram 1 (below): ER Diagram shows how the user interacts with the functions of the system

Created by: Kaila Williamson