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**Release and Iteration Plans**

**Smart City Project**

Group Name: “**Just Put Something Down**”

|  |  |
| --- | --- |
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**QUT | SEMESTER 2 | Due Date: 30th August 2017 | Tutor: Jesse St. Germain**

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# **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** |

### **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** |

## **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** |

### **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** |

## **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** |

### **Security**

Create security measures for user and database information.

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

## **Delivery Schedule**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** |
| **Sprint 1** | | | | **Sprint 2** | | | |
| **Release 1** | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Week 14** | **Week 15** | **Week 16** | **Week 17** | **Week 18** | **Week 19** | **Week 20** | **Week 21** |
| **Sprint 3** | | | | **Sprint 4** | | | |
| **Release 2** | | | | | | | |

### **Estimated Velocity:**

Calculated using formula from week 2 lecture slides page 61:

5 team members working on a 4 week sprint (20 days)

5 team members x 20 working days = 100 potential days

Velocity = ⅓ of potential days

**Velocity = 33 ideal days per sprint**

# 

# **Sprint Plan**

## **Sprint 1**

Total Story Point: 30 Total Hours: 289

### Current Velocity: 33

### **Story 01: Welcome Page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T01** | **Design website logo** | **10** |  |
| **T02** | **Write front-end code for design** | **15** |  |
| **T03** | **Design colour scheme** | **5** |  |
| **T04** | **Write test cases** | **4** |  |
| **T05** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **35** |  |

### **Story 02: Create new account**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T06** | **Write front-end code for account creation web page** | **10** |  |
| **T07** | **Write back-end code to add user details into database** | **20** |  |
| **T08** | **Write test cases** | **5** |  |
| **T09** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **36** |  |

### **Story 03: Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T10** | **Write front-end code for login GUI in the welcome page** | **10** |  |
| **T11** | **Write back-end code to access user details from database** | **15** |  |
| **T12** | **Write test cases** | **5** |  |
| **T13** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **31** |  |

### **Story 05: Student home page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T14** | **Write front-end code for layout of user page.** | **8** |  |
| **T15** | **Write back-end code to link student account to student information in database** | **10** |  |
| **T16** | **Write test cases** | **2** |  |
| **T17** | **Verify story is complete** | **1** |  |
|  | **Story Points: 2 Total Hours:** | **21** |  |

### **Story 06: Tourist home page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T18** | **Write front-end code for layout of tourist page** | **8** |  |
| **T19** | **Write back-end to link tourist account to tourist information in database** | **10** |  |
| **T20** | **Write test cases** | **2** |  |
| **T21** | **Verify story is complete** | **1** |  |
|  | **Story Points: 2 Total Hours:** | **21** |  |

### **Story 07: Business home page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T22** | **Write front-end code for layout of business page** | **8** |  |
| **T23** | **Write back-end to link business account to business information in database** | **10** |  |
| **T24** | **Write test cases** | **2** |  |
| **T25** | **Verify story is complete** | **1** |  |
|  | **Story Points: 2 Total Hours:** | **21** |  |

### **Story 08: Admin account**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T26** | **Write front-end code for layout of admin page** | **15** |  |
| **T27** | **Write back-end code giving admin abilities to update database** | **20** |  |
| **T28** | **Create admin account for Susan** | **2** |  |
| **T29** | **Write test cases** | **4** |  |
| **T30** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **42** |  |

### **Story 10: Create Database**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T31** | **Create user tables in database** | **10** |  |
| **T32** | **Create city information tables in database** | **20** |  |
| **T33** | **Write test cases** | **10** |  |
| **T34** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **41** |  |

### **Story 11: Populate Database**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T35** | **Collect city information** | **20** |  |
| **T36** | **Populate database with city information** | **15** |  |
| **T37** | **Write test cases** | **5** |  |
| **T38** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **41** |  |

## **Sprint 2**

Total Story Point: 20 Total Hours: 181

### Current Velocity: 33

### **Story 04: Other views**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T39** | **Create GUI interface to see other user views** | **15** |  |
| **T40** | **Write back-end which creates temporary access to other user types view** | **15** |  |
| **T41** | **Write test cases** | **5** |  |
| **T42** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **36** |  |

### **Story 09 : Create more admin accounts**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T43** | **Write front-end code for admin account creation web page** | **15** |  |
| **T44** | **Write back-end code to add admin details into database** | **15** |  |
| **T45** | **Write test cases** | **5** |  |
| **T46** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **36** |  |

### **Story 14 : Saving attractions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T47** | **Write front-end code for user ability to save attractions** | **15** |  |
| **T48** | **Write backend code that stores saved information to database** | **15** |  |
| **T49** | **Write test cases** | **5** |  |
| **T50** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **36** |  |

### **Story 18 : Upload Map**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T51** | **Write front-end code to give admin ability to upload a map** | **15** |  |
| **T52** | **Write back-end code to upload map onto webpage** | **20** |  |
| **T53** | **Write test cases** | **5** |  |
| **T54** | **Verify story is complete** | **1** |  |
|  | **Story Points: 4 Total Hours:** | **41** |  |

### **Story 20: Information Tab**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T55** | **Write front-end code for the layout of the FAQ page** | **10** |  |
| **T56** | **Write test cases** | **2** |  |
|  | **Story Points: 2 Total Hours:** | **12** |  |

### **Story 22: Email Updates**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T57** | **Write back-end quote to e-mail users when admin updates information** | **18** |  |
| **T58** | **Write test cases** | **2** |  |
|  | **Story Points: 2 Total Hours:** | **20** |  |