Release and Sprint Plans

# Team Number = 84

|  |  |
| --- | --- |
| Student Number | Team Member Name |
| N9184902 | Elinor Blom |
| N9185861 | Isobelle Martin |
| N9908363 | Michael O’Brien |
| N9908363 | Pak Ning Luk |
| N9322078 | Tze Fung Ng |
| N9359796 | Hugo He |

**Tutor:** Venkat Venkatachalam

**Version:** 1

**Date:** 24/8/16

Table of Contents

[Release 1 3](#_Toc459804938)

[Profiles for Types of Users 3](#_Toc459804939)

[Issuing Violations 3](#_Toc459804940)

[Applying for a Permit 3](#_Toc459804941)

[Paying Fines 4](#_Toc459804942)

[Release 2 5](#_Toc459804943)

[System Usage 5](#_Toc459804944)

[Rule Changes 5](#_Toc459804945)

[Notification Preferences 5](#_Toc459804946)

[Release 3 6](#_Toc459804947)

[Health and Safety Reports 6](#_Toc459804948)

[Violation Status 6](#_Toc459804949)

[Delivery Schedule 7](#_Toc459804950)

[Estimated Velocity: 7](#_Toc459804951)

[Sprint 1 8](#_Toc459804952)

[Story ID: Distinguish Between User Types 8](#_Toc459804953)

[Story ID: User Profiles 8](#_Toc459804954)

[Story ID: Mandatory Information for Parking Permit Applications 8](#_Toc459804955)

[Story ID: Check Parking Permit Status 9](#_Toc459804956)

[Story ID: Visitor Parking Permits 10](#_Toc459804957)

[Story ID: Access Permit Information 10](#_Toc459804958)

[Sprint 2 11](#_Toc459804959)

[Story ID: Select Payment Option 11](#_Toc459804960)

[Story ID: Issue Violations 11](#_Toc459804961)

[Story ID: Mandatory Information for Violations 12](#_Toc459804962)

[Sprint 3 13](#_Toc459804963)

[Story ID: Access Health and Safety Rules 13](#_Toc459804964)

[Story ID: Access to Parking Rules 13](#_Toc459804965)

[Story ID: Health Regulation Updating 13](#_Toc459804966)

[Sprint 4 14](#_Toc459804967)

[Story ID: Change Notification Content Preferences 14](#_Toc459804968)

[Story ID: Change Notification Settings 14](#_Toc459804969)

[Sprint 5 15](#_Toc459804970)

[Story ID: Report Issues 15](#_Toc459804971)

[Sprint 6 16](#_Toc459804972)

[Story ID: Review Health and Safety Reports 16](#_Toc459804973)

[Story ID: Confirmation of Violation Resolution 16](#_Toc459804974)

# Release 1

**Delivery Date:** 21st September 2016                                  **Total Story Points:** 22

This release will provide the backbone for the solution as each user will need to view different information depending on their status. College personnel and visitors will also be able to create or request a permit in order to park on the campus. Please note that this release has a significantly higher number of story points because these must be completed in order for later releases to succeed.

## Profiles for Types of Users

Users profiles will be created depending on the user’s position (visitor, staff, student or health and safety department). This ensures that relevant information is provided

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO1** | Distinguish Between User Types | 1 |
| **SO2** | User Profiles | 4 |
|  | Story Point Sub-Total: | 5 |

## Issuing Violations

Patrol staff will be able to issue violations for both parking and health and safety breaches through the system with all the mandatory information

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO3** | Issue Violations | 2 |
| **SO4** | Mandatory Information for Violations | 2 |
|  | Story Point Sub-Total: | 4 |

## Applying for a Permit

Visitors, staff and students can apply and check their parking permits and applications once logged in through the system

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO5** | Mandatory Information for Parking Permit Applications | 2 |
| **SO6** | Check Parking Permit Status | 2 |
| **SO7** | Visitor Parking Permits | 2 |
| **SO8** | Access Permit Information | 2 |
|  | Story Point Sub-Total: | 8 |

## Paying Fines

Violators and parking permit holders will be able to pay their fines using a range of methods.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO9** | Select Payment Option | 5 |
|  | Story Point Sub-Total: | 5 |

# Release 2

**Delivery Date:** 26th of October 2016                                   **Total Story Points:** 10

This release will provide the system whereby users will be able to report, create and pay violations.

## System Usage

The system will ensure that all users have access to a complete list of the health and safety rules and parking rules of the College.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO10** | Access Health and Safety Rules | 1 |
| **SO11** | Access to Parking Rules | 1 |
|  | Story Point Sub-Total: | 2 |

## Rule Changes

System administrators from the Health and Safety Department will be able to update the health and safety rules and parking rules as necessary and release notifications to users.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO12** | Health Regulation Updating | 4 |
|  | Story Point Sub-Total: | 4 |

## Notification Preferences

Users will have control over the notifications that they system releases.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO13** | Change Notification Content Preferences | 2 |
| **SO14** | Change Notification Settings | 2 |
|  | Story Point Sub-Total: | 4 |

# Release 3

**Delivery Date:** not yet determined                                                                **Total Story Points:** 10

This release will be completed after the semester is over. If the developers do complete release two quickly and efficiently then it is expected that some of release three may be completed early, however it is not necessary. This release mainly adds additional information and slight features to the solution and helps to make it more efficient.

## Health and Safety Reports

Users will have the capability to report health and safety issues whilst the Health and Safety Department can review these new reports and update previous reports.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO15** | Review Health and Safety Reports | 3 |
| **SO16** | Report Issues | 5 |
|  | Story Point Sub-Total: | 8 |

## Violation Status

Violators can check whether their violation has been resolved or further action must be taken.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **SO17** | Confirmation of Violation Resolution | 2 |
|  | Story Point Sub-Total: | 2 |

# Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 1 | | Sprint 2 | | Sprint 3 | | Sprint 4 | |
| Release 1 | | | | Release 2 | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  |  |  |  |  |
| Sprint 5 | | … | |  | |  | |
| Release 3, 4, … | | | | | | | |

## Estimated Velocity:

We calculated our velocity by dividing the total number of hours for each sprint by the its number of story points.

Sprint One = 4.53

Sprint Two = 3.89

Sprint Three = 3.67

Sprint Four = 3.25

Sprint Five = 5

Sprint Six = 4

# Sprint 1

**Total Story Points:** 13                                                                       **Total Hours:** 59 hours

Current Velocity: 4.53

## Story ID: Distinguish Between User Types

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T01** | Create page with table view | 1 |  |
| **TO2** | Write code to move relevant data from user profile SQL to table | 2 |  |
| **TO3** | Write test cases | 1 |  |
| **TO4** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 1                                        Total Hours: 5 |  |  |

## Story ID: User Profiles

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T05** | Create homepage and links to log-in page | 1 |  |
| **T06** | Create login page with ‘forgot password’ option | 1 |  |
| **T07** | Create SQL database to store user details | 2 |  |
| **T08** | Write code to handle username/password information and store salted and hashed data from login page | 2 |  |
| **T09** | Write code to verify login credentials from database | 1 |  |
| **T10** | Write code to direct users to page displaying relevant information | 1 |  |
| **T11** | Testing | 3 |  |
| **T12** | Verify story is complete (acceptance test) | 3 |  |
|  | Story Points: 4                                       Total Hours: 14 |  |  |

## Story ID: Mandatory Information for Parking Permit Applications

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T13** | Create form to apply for permit | 1 |  |
| **T14** | Create ‘complete form’ button | 1 |  |
| **T15** | Make SQL database to store mandatory information from text boxes | 2 |  |
| **T16** | Write code to check contents of form text boxes and catch an error if empty or invalid (eg. letters in date text box) | 2 |  |
| **T17** | Write code to re-load page notifying that some mandatory information is absent | 1 |  |
| **T18** | Testing | 1 |  |
| **T19** | Verify story is complete (acceptance test) | 2 |  |
|  | Story Points: 2                                       Total Hours: 10 |  |  |

## Story ID: Check Parking Permit Status

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T20** | Create database to store permit information | 1 |  |
| **T21** | Write code to check if current date/time is later than expiry | 1 |  |
| **T22** | Write code to execute expiry check every 24 hours | 2 |  |
| **T23** | Write code to add permit status to table of information presented to user and update if changed | 2 |  |
| **T24** | Testing | 1 |  |
| **T25** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2                                      Total Hours: 8 |  |  |

## 

## Story ID: Visitor Parking Permits

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T26** | Create a form page with text boxes | 1 |  |
| **T27** | Create dropdown boxes for department selection of request | 1 |  |
| **T28** | Create ‘send request’ button | 1 |  |
| **T29** | Write user prompts to include mandatory information when writing application | 2 |  |
| **T30** | Write code to check user database to return email address of department selected from dropdown box | 2 |  |
| **T31** | Write code to handle information entered into ‘request information’ textbox and send as email body | 2 |  |
| **T32** | Testing | 1 |  |
| **T33** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2                                  Total Hours: 11 |  |  |

## Story ID: Access Permit Information

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T34** | Create page with table and scroll button | 1 |  |
| **T35** | Write code to request data from ‘permit’ SQL depending on user type | 4 |  |
| **T36** | Write code to copy data to table allowing for multiple entries | 2 |  |
| **T37** | Write code to display permit info next to table when clicked | 2 |  |
| **T38** | Testing | 1 |  |
| **T39** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2                                       Total Hours: 11 |  |  |

# Sprint 2

**Total Story Points**: 9                                                                               **Total Hours:** 35 hours

Current Velocity: 3.89

## Story ID: Select Payment Option

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T40** | Create form for general payee information | 1 |  |
| **T41** | Set up SQL database to save payment details | 2 |  |
| **T42** | Write code to handle information and store salted and hashed data | 4 |  |
| **T43** | Write code to verify payment credentials from PayPal/Flask plug-in | 4 |  |
| **T44** | Create payment invoice and receipt template | 3 |  |
| **T45** | Generate invoice number through database | 2 |  |
| **T46** | Write code to link receipt with email of payee | 2 |  |
| **T47** | Write code to display confirmation of payment notice | 1 |  |
| **T48** | Write test cases | 1 |  |
| **T49** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 5                                        Total Hours: 21 |  |  |

## Story ID: Issue Violations

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T50** | Create form page | 2 |  |
| **T51** | Create dropdown boxes for area selection and offence type | 1 |  |
| **T52** | Create ‘file violation’ button | 1 |  |
| **T53** | Write test cases | 1 |  |
| **T54** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2                                         Total Hours: 6 |  |  |

## Story ID: Mandatory Information for Violations

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T55** | Update SQL database to store mandatory information from text boxes | 2 |  |
| **T56** | Write code to check contents of form text boxes and catch an error if empty or invalid (eg. letters in date text box) | 2 |  |
| **T57** | Write code to re-load page notifying that some mandatory information is absent | 1 |  |
| **T58** | Write code to only have button activated when all issue information text boxes completed | 1 |  |
| **T59** | Write test cases | 1 |  |
| **T60** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2                                         Total Hours: 8 |  |  |

# Sprint 3

**Total Story Points:** 6                                                                               **Total Hours:** 22 hours

Current Velocity: 3.67

## Story ID: Access Health and Safety Rules

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T61** | Create page and link from profile/homepage | 1 |  |
| **T62** | Write code to display text for rules from file | 2 |  |
| **T63** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 1                                         Total Hours: 4 |  |  |

## Story ID: Access to Parking Rules

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T64** | Create page and link from profile/homepage | 1 |  |
| **T65** | Write code to display text for rules from file | 2 |  |
| **T66** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 1                                         Total Hours: 4 |  |  |

## Story ID: Health Regulation Updating

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T67** | Create pop-up text-box to appear on any page | 3 |  |
| **T68** | Write script to check if rules/regulation text has been updated | 3 |  |
| **T69** | Write code to execute update script everytime page is re-loaded | 2 |  |
| **T70** | Write code to display text changes followed by full new text on pop-up text box | 4 |  |
| **T71** | Create ‘Agree and Continue’ button | 1 |  |
| **T72** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4                                         Total Hours: 14 |  |  |

# Sprint 4

**Total Story Points:** 4                                                                               **Total Hours:** 13 hours

Current Velocity: 3.25

## Story ID: Change Notification Content Preferences

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T73** | Create page with checkboxes | 1 |  |
| **T74** | Write code to link rule update to pop-up textboxes | 2 |  |
| **T75** | Create ‘Adjust Settings’ button | 1 |  |
| **T76** | Write test cases | 1 |  |
| **T77** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2                                         Total Hours: 6 |  |  |

## Story ID: Change Notification Settings

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T78** | Create page with checkboxes | 1 |  |
| **T79** | Write code to link rule update to pop-up textboxes | 3 |  |
| **T80** | Create ‘Adjust Settings’ button | 1 |  |
| **T90** | Write test cases | 1 |  |
| **T91** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points:  2                                       Total Hours: 7 |  |  |

# Sprint 5

**Total Story Points:** 3                                                                               **Total Hours:** 15 hours

Current Velocity: 5

## Story ID: Report Issues

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T92** | Create a form page with text boxes | 2 |  |
| **T93** | Create dropdown boxes for area selection and issue type | 1 |  |
| **T94** | Create ‘report issue’; button | 1 |  |
| **T95** | Make SQL database to store mandatory information from text boxes | 3 |  |
| **T96** | Write code to check contents of form text boxes and catch an error if empty or invalid (eg. letters in date text box) | 2 |  |
| **T97** | Write code to re-load page notifying that some mandatory information is absent | 2 |  |
| **T98** | Write code to only have button activated when all issue information text boxes completed | 2 |  |
| **T99** | Write test cases | 1 |  |
| **T100** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 3                                        Total Hours: 15 |  |  |

# Sprint 6

**Total Story Points:** 5                                                                                **Total Hours:** 20 hours

Current Velocity: 4

## Story ID: Review Health and Safety Reports

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T101** | Create page with table view | 1 |  |
| **T102** | Write code to move relevant data from reported issues database to table | 2 |  |
| **T103** | Write code to expand report information to right panel | 3 |  |
| **T104** | Create notes textbox | 1 |  |
| **T105** | Create ‘approve/deny/hold’ buttons | 1 |  |
| **T106** | Create ‘contact reporter’ button and write code to return contact details from user profile database | 2 |  |
| **T107** | Write test cases | 1 |  |
| **T108** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 3                                        Total Hours: 12 |  |  |

## Story ID: Confirmation of Violation Resolution

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **T109** | Create template confirmation letter and text for pop-up | 1 |  |
| **T110** | Write code to return confirmation text | 2 |  |
| **T111** | Write code to allow pop-up for notification for associated user from profile database | 3 |  |
| **T112** | Write test cases | 1 |  |
| **T113** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2                                        Total Hours: 8 |  |  |