**Release and Sprint Plans**

**Team 83 (Team Rocket)**

|  |  |
| --- | --- |
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Release Plan

# Release 1

**Delivery date:** 21/09/2016 **Total Story Points**: 25

This release primarily focuses on laying the foundation of the web application, which includes the basic functionality and the majority of the 'must have' user stories. Users will be able to apply for parking permits using a simple form which supports error checking validation. This creates a secure account where they can login to check all their information. Patrol staff can also login to their account to report violations which are submitted to the database and identified with user's accounts.

## Applying for Permit

Staff, Students and Visitors can use the application to enter all of relevant information needed to apply for a parking permit. Visitors are directed to contact the Health and Safety Department for their permits. This feature processes each user so that they are established within the system, so that they can be uniquely identified and are easier to manage.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S02 | Visitor Parking Permits | 1 |
| S04 | Parking Permit Applications | 2 |
| S07 | Health Form Error Checking | 2 |
| S21 | Information Security | 5 |
|  | Story Point Sub-Total: | 10 |

## Permit & Site Information

Users can access their profile to review all their account information and to check whether they have any outstanding violations. System Administrators can easily update the site content so that users are kept up to date with the latest health and safety rules and regulations. This feature connects the front end to the back end, allowing users to retrieve their information from the database and synchronises information across the health and safety department so the system is easier to maintain.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S08 | Parking Permit Status | 3 |
| S18 | Interface Design | 1 |
| S24 | Content Manipulation | 1 |
|  | Story Point Sub-Total: | 5 |

## Violation Reports

The violation reports are an essential feature which supports reporting of both health and safety and parking violations. This feature also gives administrative staff access to health and safety reports, thereby allowing immediate access to reports and allowing issues to be resolved quickly. This feature is valuable because it forms the front and backend of reporting and identifying violators so that they can be dealt with accordingly.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S03 | Violation Submission | 2 |
| S15 | Citation Form Checking | 1 |
| S20 | Review Report | 2 |
| S26 | Report Issues | 2 |
| S27 | Real-time Reports | 2 |
|  | Story Point Sub-Total: | 9 |

# Release 2

**Delivery date:** 26/10/2016 **Total Story Points**: 31

Provide a working payment system which uses simple and easy to use forms for violators to pay fines. This release identifies important notifications and informs users whether they have any outstanding fines or whether there have been changes to the College rules and regulations. Patrol and administrative staff are given a portal with direct access to search the database for permits or users and giving them more control over the system.

## Updates & Notifications

Students, college personnel and patrol staff will be notified whether there have the latest rules and regulations have been amended so that they can continue to College guidelines. Violators will also be notified of their health and safety breach so that they know why they are being fined. This feature ensures the rules can be effectively enforced and allows the system to run smoothly by bringing important issues to the user's attention.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S01 | Manual Updates | 2 |
| S10 | Educating Patrol Staff | 2 |
| S12 | Health and Safety Notifications | 3 |
| S14 | Violation Notification | 2 |
| S17 | Regular Updates | 3 |
| S25 | Emergency Update | 2 |
| S29 | Urgency Identification | 1 |
|  | Story Point Sub-Total: | 15 |

## Database Access & Control

Admin and patrol staff will be given easy access to the database, by using a search bar they can sort parking permits and violation reports so that it is easier to manage user accounts and they correct any mistaken violation reports.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S06 | Parking Violation Checking | 4 |
| S22 | Error Correction | 2 |
| S23 | Administrative Management | 1 |
|  | Story Point Sub-Total: | 7 |

## Payments

Violators will be able to successfully pay their outstanding fines through a variety of one payment options, ensuring they have multiple pathways to transfer funds. Violator's profiles will be updated to reflect the fact that they have paid outstanding fines. System administrator can also flag violators with overdue fines, which penalises them by severely limiting their functionality so that they are encouraged to resolve withstanding payments. This feature is essential to make the system runs smoothly and ensure users adhere to the Colleges' rules.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S05 | Parking Permit Payment | 3 |
| S09 | Fine Payment Checking | 4 |
| S11 | Simple Payment Forms | 1 |
| S28 | Review Overdue Fines | 2 |
|  | Story Point Sub-Total: | 10 |

# Release 3

Delivery date: 28/11/2016 Total Story Points: 3

This release is designed to introduce any additional features which may be useful to users and make the application seamless and easier to use. The goal of this release is to enhance the website by making it more accessible and usable.

## Mobile Accessibility

This feature optimises the application to be used on all mobile devices so that it is easier to navigate for these users. This feature is valuable for users because they can access it at any time, increasing both the usability and accessibility of the web application.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S19 | Mobile Accessibility | 3 |
|  | Story Point Sub-Total: | 3 |

# 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 | | | | | | | |

## Estimated Velocity: 13

Sprint Plan

# Sprint 1

**Total Story Points:** 25 **Total Hours:** 56

## Current Velocity: 13

## Story 01: Applying For Permit

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create Main Page and Application Page | 1 | 1 |
| T02 | Visitor Parking Permit Page | 1 | 1 |
| T03 | Setup Databases and Accounts | 4 | 4 |
| T04 | Account Security | 6 | 3 |
| T05 | Write Test Cases | 3 | 3 |
| T06 | Write Code to verify correct information | 5 | 6 |
| T07 | Verify story is complete (acceptance test) | 3 | 3 |
|  | Story Points: 10 Total Hours: | 23 | 21 |

## Story 02: Permit & Site Information

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T09 | Create Information Pages | 3 | 2 |
| T10 | Profile Page | 2 | 1 |
| T11 | Link profile page to user accounts | 2 | 2 |
| T12 | Databases can be updated from profile pages | 2 | N/A |
| T13 | Write Test Cases | 2 | 3 |
| T14 | Write Code to verify correct information | 2 | 2 |
| T15 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 5 Total Hours: | 14 | 11 |

## \*note: T12 Was moved to sprint 2 as the time taken to complete this task was underestimated.

## Sprint 2

**Current Velocity:** 15 **Total Hours:** 56

**Total Story Points:** 25

## Story 03: Violation Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T12 | Databases can be updated from profile pages | 2 | 2 |
| T16 | Create Citation Form | 1 | 1 |
| T17 | Citation form Validation | 3 | 3 |
| T18 | Citation form creates database entry | 2 | 2 |
| T19 | Create Health and Safety Reports Form | 3 | 2 |
| T20 | Create Medium for Admin to readily review H&S Reports | 4 | 3 |
| T21 | Write Test Cases | 3 | 3 |
| T22 | Write Code to verify correct information | 2 | 2 |
| T23 | Verify story is complete (acceptance test) | 1 | 1 |
|  | **Story Points: 10 Total Hours:** | 21 | 19 |

9 , 6 , 10