**Release Plan and Sprint 1 Plan**

**Team Digital Starfish**

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Date: 24-08-2016

Table of Contents

[Release 1 3](#_Toc459823339)

[User Needs 3](#_Toc459823340)

[Permits 3](#_Toc459823341)

[Release 2 4](#_Toc459823342)

[Patrol Guard Accessibility 4](#_Toc459823343)

[Release 3 4](#_Toc459823344)

[User Functionality 4](#_Toc459823345)

[Delivery Schedule 5](#_Toc459823346)

[Estimated Velocity: 16 5](#_Toc459823347)

[Sprint 1 6](#_Toc459823348)

[Story 01: Permit Fines 6](#_Toc459823350)

[Story 03: Issuing Permits 6](#_Toc459823351)

[Story 04: Parking Rules 6](#_Toc459823352)

[Story 06: Permit Search 6](#_Toc459823353)

[Story 07: Cancel Permit 7](#_Toc459823354)

[Story 15: Parking Permit Application 7](#_Toc459823355)

Release Plan

# Release 1

Delivery date: 21-09-2016 Total Story Points: 30

Provide the basis for the users (staff/students/visitors) to be able to create a new account or edit an existing account. All users will have the mobility and accessibility to make alterations if need be, and view the status of their parking permit/s and vehicle/s registered.

## User Needs

Users can lodge parking permit applications, viewing the status of their permit and associated fines, as well having access to an easier mechanism to update the vehicles registered to the permit.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S15 | Parking Permit Application | 3 |
| S16 | View Permit Status | 2 |
| S17 | Change Registered Vehicle | 2 |
| S18 | View Issued Fines | 3 |
|  | Story Point Sub-Total: | 10 |

## Permits

The H&S Department can be able to take control of the parking permit fines made, and access the information related to the parking permits of the user/s.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S01 | Permit Fines | 3 |
| S02 | Permit Visibility | 3 |
| S03 | Issuing Permits | 2 |
| S04 | Parking Rules | 1 |
| S05 | Track Fines | 3 |
| S06 | Permit Search | 3 |
| S07 | Cancel Permit | 2 |
| S09 | Update Permit Information | 3 |
|  | Story Point Sub-Total: | 20 |

# Release 2

Delivery date: 26-10-2016 Total Story Points: 21

Provide the basis for the Patrol Guards to have the access needed to complete certain tasks including vehicle registration search, issue parking fines & violations, and conduct health & safety inspections to ensure they are not in violation with the policy.

## Patrol Guard Accessibility

The Patrol Guard will have the technology and information required when doing checks across all vehicles in the parking bay, as well as being able to report Health and Safety violations around campus.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S10 | Vehicle Registration Search | 3 |
| S11 | Issue Parking Violations | 2 |
| S12 | View Existing Citations | 3 |
| S13 | Smoking Violations | 2 |
| S20 | Permit Expiration Notification | 4 |
| S08 | Renew Permit | 2 |
| S26 | Visitor Permit Application | 3 |
| S27 | Health and Safety Violations | 2 |
|  | Story Point Sub-Total: | 21 |

# Release 3

Delivery date: 23-11-2016 Total Story Points: 29

This release will include the basic user functionality methods for a new / existing user to create an account or make changes to an account already created. The release will also include the functionality of the personnel to conduct searches on a particular violation via the means of technology.

## User Functionality

The personnel of the college stated will be given access to record where the violation is coming from. Permit holders will be able to create an online account to more easily manage their permit information and fines.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S28 | Photo/Video Upload | 5 |
| S19 | Account Creation | 6 |
| S14 | Patrol Guard Mobile Application | 5 |
| S24 | Third-party Logins | 2 |
| S25 | Native Mobile Applications | 6 |
| S29 | College Personnel Application | 5 |
|  | Story Point Sub-Total: | 29 |

# 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 | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Sprint 5 | | Sprint 6 | |  | |  | |
| Release 3 | | | | ... | | | |

## Estimated Velocity: 16

Sprint Plan

# Sprint 1

Total Story Points: 14 Total Hours: 44

## Current Velocity: 14

## Story 01: Permit Fines

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| TO1 | Database Design | 1 |  |
| TO2 | Database Construction | 3 |  |
| TO3 | Back end Python Programming | 3 |  |
| TO4 | Front End Framework | 4 |  |
|  | Story Points: 3 Total Hours: | 11 |  |

## Story 03: Issuing Permits

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| TO1 | Create permit issuing form | 1 |  |
| TO2 | Connect form to database | 3 |  |
| TO3 | SQL lookup accessors | 2 |  |
| TO4 | SQL code to modify database entries | 1 |  |
|  | Story Points: 2 Total Hours: | 7 |  |

## Story 04: Parking Rules

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| TO1 | Add parking rules to front-end UI | 2 |  |
| TO2 | Integrate parking rules into permit application | 1 |  |
| TO3 |  |  |  |
|  | Story Points: 1 Total Hours: | 3 |  |

## Story 06: Permit Search

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| TO1 | SQL Lookup Accessors | 2 |  |
| TO2 | Front-end to back-end search communication | 4 |  |
| TO3 | Resource allocation for back-end | 4 |  |
|  | Story Points: 3 Total Hours: | 10 |  |

## Story 07: Cancel Permit

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| TO1 | SQL code to modify database entries | 2 |  |
| TO2 | Python to SQL communication for modifying entries | 3 |  |
| TO3 |  |  |  |
|  | Story Points: 2 Total Hours: | 5 |  |

## Story 15: Parking Permit Application

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| TO1 | Design permit application form | 1 |  |
| TO2 | Connect application form to database | 3 |  |
| TO3 | Database acceptance conditions (required fields etc) | 4 |  |
|  | Story Points: 3 Total Hours: | 8 |  |