**Release and Sprint Plans**

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|  |  |
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Version: 1

Date: 24/08

**Table of Contents**

[Release 1 3](#_Toc459838683)

[Security and accessibility 3](#_Toc459838684)

[Form submissions 3](#_Toc459838685)

[Release 2 3](#_Toc459838686)

[Viewing records 3](#_Toc459838687)

[Flexible Permit System 4](#_Toc459838688)

[Basic add-ons 4](#_Toc459838689)

[Release 3 5](#_Toc459838690)

[User friendliness 5](#_Toc459838691)

[Delivery Schedule 5](#_Toc459838692)

[Estimated Velocity: 35 5](#_Toc459838693)

[Sprint 1 6](#_Toc459838694)

[Current Velocity: 6](#_Toc459838695)

[Story 12: Secure and accessible permits 6](#_Toc459838696)

[Story 4: Department permit submission 6](#_Toc459838697)

Release Plan

# Release 1

Delivery date: 22/09/16 Total Story Points: 64

Setup the basic layout for the parking permit application and health and safety report forms as well as the database that is required to securely store the data.

## Security and accessibility

Designing the database in such a way that personal details and records cannot be stolen or removed by outside attacks in addition to always being accessible.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 12 | Secure and available permits | 16 |
| 13 | Accessible and secure health violations | 16 |
|  | Story Point Sub-Total: | 32 |

## Form submissions

The basic setup for the permit and violation submission system and layout including database integration.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 4 | Department permit submission | 16 |
| 6 | Public health and safety | 16 |
|  | Story Point Sub-Total: | 32 |

# Release 2

Delivery date: 20/10/16 Total Story Points: 54

Add the ability for permits and violations to be viewed and parking violations to be issued in addition to improving and extending upon the functionality created in release 1.

## Viewing records

Implementation of the webpages to view parking permits and health and safety violations.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 8 | Viewing parking permits | 8 |
| 15 | Viewing violations | 8 |
| 9 | Finding a user’s permits and violations | 8 |
|  | Story Point Sub-Total: | 24 |

## Violation management

Implementation of the feature to allow parking violations to be issued.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 5 | Department parking violation management | 16 |
|  | Story Point Sub-Total: | 16 |

## Flexible Permit System

Incorporating a more flexible permit setup system based on what type of user is applying (Teacher, student or member of the public).

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 2 | Long teacher permits | 1 |
| 3 | Flexible student permits | 1 |
|  | Story Point Sub-Total: | 2 |

## Basic add-ons

Assorted features that build on existing functionality for bring a higher quality of life to both the users and the department employees.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 7 | Violation report anonymity | 4 |
| 10 | Handling unpaid fines | 4 |
| 14 | Usability and scalability | 4 |
|  | Story Point Sub-Total: | 12 |

# 

# Release 3

Delivery date: TBD Total Story Points: 24

Improvements to the overall look, feel and feature list of the application.

## User friendliness

Improving visuals and layout in a way that allows the webpage to be intuitive enough for forms to be lodged by users other than department employees.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 1 | Ease of application | 8 |
| 11 | Unpaid fine notification | 16 |
|  | Story Point Sub-Total: | 24 |

# 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: 35

Sprint Plan

# Sprint 1

Total Story Points: 32 Total Hours: 31

## Current Velocity: 32

## Story 12: Secure and accessible permits

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 01 | Design database table(s) to record parking permits | 8 | 5 |
| 03 | Create database as per design | 3 | 2 |
| 02 | Test database to ensure all data can be stored and retrieved successfully | 2 | 2 |
|  | Story Points: 16 Total Hours: | 13 | 9 |

## Story 4: Department permit submission

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 03 | Design webpage with the use of wireframes and improve with client feedback | 8 | 2 |
| 04 | Create webpage with all required form elements as per wireframes | 12 | 5 |
| 05 | Implement ability for the webpage to interact with the database | 6 | 2 |
| 06 | Test webpage/database to ensure parking permit applications can be completed using the webpage and stored in the database | 2 | 1 |
|  | Story Points: 16 Total Hours: | 28 | 10 |

# Sprint 2

Total Story Points: 32 Total Hours: 19

## Current Velocity: 32

## Story 6: Public Health and Safety

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 03 | Design webpage with the use of wireframes and improve with client feedback | 2 | 2 |
| 04 | Create webpage with all required form elements as per wireframes | 5 | 3 |
| 05 | Implement ability for the webpage to interact with the database | 2 | 2 |
| 06 | Test webpage/database to ensure parking permit applications can be completed using the webpage and stored in the database | 1 | 1 |
|  | Story Points: 16 Total Hours: | 10 | 8 |

## Story 5: Accessible and Secure Health Violations

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 01 | Design database table(s) to record health violations | 5 | 4 |
| 03 | Create database as per design | 2 | 3 |
| 02 | Test database to ensure all data can be stored and retrieved successfully | 2 | 2 |
|  | Story Points: 16 Total Hours: | 9 | 9 |

# Sprint 3

Total Story Points: 40 Total Hours: 39

## Current Velocity: 32

## Story 8: Viewing Parking Permits

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 01 | Design webpage element with the use of wireframes and improve with client feedback | 2 | 1 |
| 02 | Create webpage element with all required form elements as per wireframes | 4 | 3 |
| 03 | Implement ability for the webpage to interact with the database | 2 | 3 |
| 04 | Test webpage/database to ensure that the parking permits can be viewed and by the correct users | 1 | 1 |
|  | Story Points: 8 Total Hours: | 9 | 8 |

## Story 15: Viewing Violations

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 05 | Design webpage element with the use of wireframes and improve with client feedback | 2 | 1 |
| 06 | Create the webpage element with all required elements as per wireframes | 4 | 3 |
| 07 | Implement ability for webpage to interact with the database | 2 | 3 |
| 08 | Test webpage/database to ensure that the violations can be viewed by the correct users | 1 | 1 |
|  | Story Points: 8 Total Hours: | 9 | 8 |

## Story 9: Finding a User’s Permits and Violations

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 09 | Design webpage search element with the use of wireframes and improve with feedback from the client | 2 | 2 |
| 10 | Create the webpage search element with all required elements as per wireframes | 4 | 3 |
| 11 | Implement ability for webpage to interact with the database and return the correct results | 4 | 3 |
| 12 | Test webpage/database to ensure that the violations can be viewed by the correct users | 1 | 1 |
|  | Story Points: 8 Total Hours: | 11 | 9 |

## Story 5: Department parking violation management

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 01 | Design webpage form element with the use of wireframes and improve with client feedback | 2 | 0 |
| 02 | Create the webpage form element with all required elements as per wireframes | 4 | 0 |
| 03 | Implement ability for webpage to interact with the database | 3 | 0 |
| 04 | Test webpage/database to ensure that the violations can be viewed by the correct users | 1 | 0 |
|  | Story Points: 16 Total Hours: | 10 | 0 |

# Sprint 4

Total Story Points: 30 Total Hours: 39

## Current Velocity: 24

## Story 5: Department parking violation management

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 01 | Design webpage form element with the use of wireframes and improve with client feedback | 2 |  |
| 02 | Create the webpage form element with all required elements as per wireframes | 4 |  |
| 03 | Implement ability for webpage to interact with the database | 3 |  |
| 04 | Test webpage/database to ensure that the violations can be viewed by the correct users | 1 |  |
|  | Story Points: 16 Total Hours: | 10 |  |

## Story 2: Long Teacher Permits

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 05 | Add checking for whether user is a Teacher with database integration | 5 |  |
| 06 | Add extra/different permit duration options exclusively available for teachers | 2 |  |
| 07 | Test interaction | 1 |  |
|  | Story Points: 1 Total Hours: | 8 |  |

## Story 3: Flexible Student Permits

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 03 | Add checking for whether the user is a student with database integration | 3 |  |
| 04 | Add extra/different permit durations options exclusively available to students | 2 |  |
| 05 | Test interaction | 1 |  |
|  | Story Points: 1 Total Hours: | 6 |  |

## Story 7: Violation report anonymity

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 03 | Change form to allow for users to submit health violations without submitting their name even if they’re logged in | 1 |  |
| 04 | Test interaction | 1 |  |
|  | Story Points: 4 Total Hours: | 2 |  |

## Story 10: Handling unpaid fines

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 03 | Design a messagebox or panel that notifies the user when they have unpaid fines/fees | 1 |  |
| 04 | Implement the messagebox/panel | 4 |  |
| 05 | Test interaction | 1 |  |
|  | Story Points: 4 Total Hours: | 6 |  |

## Story 14: Usability and scalability

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 03 | Spend some time optimizing code where possible | 3 |  |
| 04 | Make sure that images are not unnecessarily large | 1 |  |
| 05 | Make sure the sight scales well to the window size | 5 |  |
|  | Story Points: 4 Total Hours: | 9 |  |