**Release and Sprint Plans**

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|  |  |
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Version: 2.0

Date: 25/10/2018

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Release Plan

# Release 1

Delivery date: 25.10.18 Total Story Points: 72

Initial front-end design for customers to view cars available for rent and access for staff to see basic statistics about customer-rental patterns.

## Homepage and Navigation

The ability for customers to navigate the site, and search for cars to rent using various filters and options.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S15 | Website Interactions | 8 |
| S05 | Updated Homepage Design | 8 |
| S16 | Luggage Size Filter | 2 |
| S17 | Passenger Count Filter | 2 |
| S04 | Filter by Locations | 2 |
| S18 | Multiple Vehicle Quote | 2 |
| S07-A | Proactive Vehicle Suggestions | 8 |
| S07-B | Proactive Vehicle Suggestions (Contd.) | 2 |
| S20 | Create Database | 8 |
| S06 | Social Media Links | 2 |
|  | Story Point Sub-Total: | 44 |

## Staff Analytics

Staff members will be able to log in to the employee portal and view various analytics about their stores and the cars that have been rented.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S08 | Secure Access | 8 |
| S01 | Priority Purchase Report | 8 |
| S02 | Vehicle Availability Report | 8 |
| S03 | Logistics Reporting | 4 |
|  | Story Point Sub-Total: | 28 |

# 

# 

# Release 2

Delivery date: To Be Negotiated Total Story Points: 34

This release adds additional reporting capabilities to the staff portal.

## Extended reporting

The interface provides functional buttons with some simple query input to display the analysis results generated by reports.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S14 | Report Format | 4 |
| S13 | Store Sales Report | 4 |
| S12 | Issued Vehicle Report | 4 |
| S11 | Data Attributes | 4 |
|  | Story Point Sub-Total: | 16 |

## 

## More report functionality

Able to generate pre-configurated reports help the business to understand customer behavior insight the business.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S6 | Sales contact report | 4 |
| S10 | Process Drop-Off Report | 8 |
| S5 | Category split Report | 2 |
| S4 | Sales Reporting | 4 |
|  | Story Point Sub-Total: | 18 |

# 

# Delivery Schedule

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  |  |  |  |  |
| Sprint 3 | | | |  | |  | |
| Release 2 ... | | | | | | | |

## Estimated Velocity: 34

Sprint Plan

# Sprint 1

Total Story Points: 30 Total Hours: 36

## Current Velocity: *unknown*

## Story 15: Website Interactions

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Design and write homepage with (dummy) search bar | 5 | 4 |
| T02 | Connect search bar to send queries to the database | 2 | 1 |
| T03 | Add simple search filters (make/model/year) | 3 | 3 |
| T04 | Write unit tests for search bar with varying text options and filters | 2 | 3 |
|  | Story Points: 8 Total Hours: | 12 | 11 |

## Story 16: Luggage Size Filter

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T05 | Add filter option for finding cars with a large capacity | 1 | 1 |
| T06 | Write unit tests for the filter with varying options | 1 | 1 |
|  | Story Points: 2 Total Hours: | 2 | 2 |

## Story 17: Passenger Count Filter

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T07 | Add filter option for finding cars with a fixed, minimum, and maximum passenger count | 1 | 3 |
| T08 | Write unit tests for the filter with varying options | 1 | 1 |
|  | Story Points: 2 Total Hours: | 2 | 4 |

## Story 18: Multiple Vehicle Quote

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T09 | Add option to commercial cars to allow estimation of the total cost of renting cars | 2 | 2 |
| T10 | Write unit tests for selection with varying options | 1 | 1 |
|  | Story Points: 2 Total Hours: | 3 | 3 |

## Story 7: Proactive Vehicle Suggestions

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T11 | Add a backend function (or functions) for analysing rental data and producing a recommended car or set of cars for some predefined filters based on search filters. | 4 | 2 |
| T12 | Add recommendations to top of search results page depending on what filters the customer selected | 3 | 1 |
| T13 | Add side panels to the homepage for recommendations based on having no filters. | 2 | - |
|  | Story Points: 8 Total Hours: | 9 | 3 |

## Story 20: Creating a Database

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T14 | Model Database | 4 | 4 |
| T15 | Creating and import to Django | 4 | 12 |
|  | Story Points: 8 Total Hours: | 8 | 16 |

## 

# Sprint 2

Total Story Points: 43 Total Hours: 57

## Current Velocity: *31*

## Story 7: Proactive Vehicle Suggestions ( Continued )

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T00 | Rewrite vehicle recommendation system to incorporate user profession in results | 2 | 3 |
|  | Story Points: 2 Total Hours: | 2 | 3 |

## Story 8: Secure Access

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create a staff login database | 1 | 1 |
| T02 | Create staff login and landing pages (landing page must have a navigation bar with a logout button) | 2 | 2 |
| T03 | Add ability to log in using predefined username and password | 1 | 2 |
| T04 | Add the ability to create accounts using staff emails | 2 | 2 |
| T05 | Write extensive unit tests to ensure the login mechanism is resistant against common types of attacks, and fix bugs that are identified as they arise | 4 | 2.5 |
|  | Story Points: 8 Total Hours: | 10 | 9.5 |

## Story 1: Priority Purchase Report

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T06 | Create a page in the same style as the staff landing page, linking it in the navigation bar to the main staff landing page | 1 | 1 |
| T07 | Add a searchable list of make and models of the cars available at each of the shops | 3 | 3 |
| T08 | Add to each entry:  A total amount of time rented  Per store amount of time rented  Average time rented for  Total profit (or loss) | 2 | 2 |
| T09 | Write unit tests to ensure data displayed is correct and up to date | 2 | 2 |
|  | Story Points: 8 Total Hours: | 8 | 8 |

## Story 2: Vehicle Availability Report

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T10 | Create a page in the same style as the staff landing page with a map showing all suburbs in which stores are located, linking it in the navigation bar to the main staff landing page | 2 | 4 |
| T11 | Add clickable dropdowns to those suburbs, listing each store which is in that suburb | 2 | - |
| T12 | Add to each store in the dropdown, the cars currently located at, and on loan from that store | 2 | - |
| T13 | Add the ability to export the data as a report showing the data in a printable format? | 2 | - |
| T14 | Write unit tests for functions created in the backend for aggregating the data that is displayed, and any other crucial pieces of code | 2 | - |
|  | Story Points: 8 Total Hours: | 10 | - |

## Story 3: Logistics Reporting

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T15 | Create a page in the same style as the staff landing page, with a link in the navigation bar of the main landing page to this one | 2 | 1 |
| T16 | A list, separated by pickup location, of each of the rental contracts that have dropoff locations that are different to the starting location | 2 | 1 |
| T17 | Add to each entry:  Car make, model, and year  Customer name, address  Starting and ending dates of the rental contract | 2 | 4 |
| T18 | Write unit tests to ensure that the function performs the way it is meant to, and there are no errors in the data displayed. | 2 | 1.5 |
|  | Story Points: 4 Total Hours: | 8 | 7.5 |

## Story 4: Filter by Location

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T19 | Add dropdown to search bar to filter results by store location | 2 | 4 |
| T20 | Write test cases to ensure filter works and results are limited to the selected store | 2 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 5 |

## Story 5: Updated Homepage Design

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T21 | Add menu bar with dropdown buttons | 2 | 4 |
| T22 | Add a Carousel Load carousel images | 2 | - |
| T23 | Create the layout and styling of the home page | 2 | 2 |
| T24 | Add team member pictures | 2 | - |
| T25 | Create a footer | 2 | 2 |
|  | Story Points: 8 Total Hours: | 10 | - |

## Story 6: Social Media Links

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T26 | Set visible links so visitors can share website content on Social Media | 2 | 3 |
| T27 | Write the test to ensure the links are correct | 2 | 1 |
|  | Story Points: 2 Total Hours: | 4 | 4 |

## 

## Story 7: Form Resets

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T28 | The ability to reset a form to its original state | 1 | 1 |
|  | Story Points: 1 Total Hours: | 1 | 1 |

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