**Release and Sprint Plans**

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Release Plan

# Release 1

Delivery date: 26/10/2018 Total Story Points: 52

Provide an initial service which only deals with the company's existing rental history - no new data is able to be created. Customers and staff will be able to view stores and cars. With the ability to login using their existing details, users will be able to view their personal rental history or the stores - depending on their accessibility level. Staff will also be able to gain business insights using data filter tools on the rental history of the store.

## Login Features

The site initially functions without the need to login. Logging in adds additional features

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 21 | Search Without Login | 2 |
| 25 | Staff Login | 2 |
|  | Story Point Sub-Total: | 4 |

## Viewing Information

User can see all the information about customers, stores, cars and rental history

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 4 | View Cars | 2 |
| 29 | View Customers | 1 |
| 31 | View Rental History | 2 |
| 1 | View Stores | 1 |
|  | Story Point Sub-Total: | 6 |

## Car Search and Filters

To make it easy for users to find cars they want they can apply filters to help with finding the car they want

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 17 | Car by Store | 2 |
| 6 | Most Fuel Efficient | 2 |
| 7 | Car By Engine | 2 |
| 8 | Car By Price | 2 |
| 9 | Car By Year | 2 |
| 10 | Car By Company | 2 |
| 11 | Car By Drive | 2 |
| 12 | Car By Power | 2 |
| 13 | Car By Seating | 2 |
| 15 | Car Price Range | 2 |
| 20 | Car By Type | 2 |
| 2 | Clear Search Filter | 2 |
|  | Story Point Sub-Total: | 24 |

## Staff Store and Customer Insights

Staff can find out analytical information about the stores, cars and customers

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 24 | Staff Customer History | 4 |
| 26 | Most Used Cars | 2 |
| 28 | View Store Activity | 2 |
| 33 | Find Customer | 1 |
| 16 | Generate Monthly Report | 4 |
| 32 | Most Active Customers | 1 |
|  | Story Point Sub-Total: | 14 |

## Customer Personal Features

Customers can login and view their personal renting history

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 5 | Customer Personal History | 4 |
|  | Story Point Sub-Total: | 4 |

# Release 2

Delivery date: To Be Negotiated Total Story Points: 20

Provides the ability to add new data to the site and more business insights for the company. Customer will be able to create accounts. The site will also include accessibility for users with disabilities.

## Creating Accounts

Allow customers to make their own accounts

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 22 | Customer Account Registration | 2 |
|  | Story Point Sub-Total: | 2 |

## Viewing Financial Information

Allow staff members to check the profits that the business is making

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 30 | View Profits | 1 |
| 27 | Generate Report Current | 2 |
| 34 | Identify Negative Profits | 4 |
| 35 | Identify Positive Profits | 4 |
|  | Story Point Sub-Total: | 11 |

## Web Accessibility

Allow users with disabilities to be able to use and access the site

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 3 | Colour Blind | 1 |
| 19 | Site Usability - Readability | 1 |
| 18 | Blind User | 1 |
|  | Story Point Sub-Total: | 3 |

## Ease of Use

Give convenient features for users when they are searching for cars and filtering results

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
|  |  |  |
| 23 | Dynamic Filters | 4 |
|  | Story Point Sub-Total: | 4 |

# 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 | Week 16 | Week 17 |
| Sprint 3 | | | |
| Release 2 | | | |

## Estimated Velocity: 26

Sprint Plan

# Sprint 1

Total Story Points: 26 Total Hours: 180

## Current Velocity: 26

## Story 21: Search Without Login

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create home page with search box and search button | 3 | 2 |
| 2 | Create search page with search box | 2 | 2 |
| 3 | Write test cases | 2 | 3 |
| 4 | Create cars table | 2 | 2 |
| 5 | Write code to retrieve cars info based on the searched name | 3 | 3 |
| 6 | Display out in table format | 1 | 1 |
| 7 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 15 | 15 |

## Story 25: Staff Login

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 8 | Create login page and header | 3 | 3 |
| 9 | Write test cases | 2 | 2 |
| 10 | Create users and roles table | 2 | 2 |
| 11 | Write Code to login user | 4 | 4 |
| 12 | Update header | 1 | 1 |
| 13 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 4: View Cars

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 14 | Create search page with a listing box design | 4 | 3 |
| 15 | Write test cases | 2 | 2 |
| 16 | Create cars, stores and orders tables | 2 | 2 |
| 17 | Write code to retrieve car info from cars table | 3 | 4 |
| 18 | Write code to display that information neatly in each listing box | 1 | 1 |
| 19 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 29: View Customers

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 20 | Write UI button to View customers | 2 | 1 |
| 21 | Write Test cases | 1 | 1 |
| 22 | Write Query to retrieve Current Customers | 1 | 2 |
| 23 | Display Data On UI | 1 | 1 |
| 24 | Verify Story is complete (Acceptance Test) | 1 | 1 |
|  | Story Points: 1 Total Hours: | 6 | 6 |

## Story 31: View Rental History

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 25 | Create user account page or personal page | 2 | 2 |
| 26 | Write test cases | 2 | 2 |
| 27 | Create cars, stores and orders tables | 2 | 3 |
| 28 | Write code to retrieve all orders and information | 4 | 3 |
| 29 | Format information into list ordered by date | 2 | 2 |
| 30 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 1: View Stores

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 31 | Create store location table | 1 | 1 |
| 32 | Create store location page | 1 | 1 |
| 33 | Write test cases | 1 | 1 |
| 34 | Write Code to retrieve stores and display | 1 | 1 |
| 35 | Verify story is complete (Acceptance Test) | 1 | 1 |
|  | Story Points: 1 Total Hours: | 5 | 5 |

## Story 17: Car By Store

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 36 | Create search page with drop down list for stores | 3 | 2 |
| 37 | Write test cases | 2 | 2 |
| 38 | Create cars, stores and orders tables | 2 | 2 |
| 39 | Write code to retrieve cars based on their recent order location | 3 | 4 |
| 40 | Display output result in table format | 2 | 2 |
| 41 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 6: Most Fuel Efficient

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 42 | Create search page with button for sorting | 3 | 3 |
| 43 | Write test cases | 2 | 2 |
| 44 | Create cars, stores and orders tables | 2 | 2 |
| 45 | Write code to retrieve cars ordered by fuel efficiency | 3 | 3 |
| 46 | Display output result in table format | 2 | 2 |
| 47 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 7: Car By Engine

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 48 | Create UI on search page to sort by engine | 3 | 3 |
| 49 | Write test cases | 2 | 2 |
| 50 | Create cars, stores and orders tables | 2 | 2 |
| 51 | Write code to retrieve all engine type results and sort them. | 3 | 3 |
| 52 | Display output result in table format | 2 | 2 |
| 53 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 8: Car By Price

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 54 | Create UI on search page to sort by price | 3 | 3 |
| 55 | Write Test Cases | 2 | 2 |
| 56 | Create cars, stores and orders tables | 2 | 2 |
| 57 | Write code to retrieve all cars sorted by price | 3 | 3 |
| 58 | Display output result in table format | 2 | 2 |
| 59 | Verify Story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 9: Car By Year

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 60 | Create UI on search page to sort by year | 3 | 2 |
| 61 | Write test cases | 2 | 2 |
| 62 | Create cars, stores and orders tables | 2 | 2 |
| 63 | Write code to retrieve all results matching the given year | 3 | 4 |
| 64 | Display output result in table format | 2 | 2 |
| 65 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 10: Car By Company

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 66 | Create UI on search page to select a company | 3 | 2 |
| 67 | Write test cases | 2 | 2 |
| 68 | Create cars, stores and orders tables | 2 | 3 |
| 69 | Write code to retrieve results matching car company | 3 | 3 |
| 70 | Display output in table format | 2 | 2 |
| 71 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 11: Car By Drive

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 72 | Create UI on search page to sort by drive type | 3 | 3 |
| 73 | Write test cases | 2 | 2 |
| 74 | Create cars, stores and orders tables | 2 | 2 |
| 75 | Write code to retrieve all drive type results and sort them. | 3 | 3 |
| 76 | Display output result in table format | 2 | 2 |
| 77 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 12: Car By Power

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 78 | Code A UI button to Sort By power | 3 | 3 |
| 79 | Write Test Cases | 2 | 2 |
| 80 | Create cars, stores and orders tables | 2 | 2 |
| 81 | Write Query to return cars by power and sort | 3 | 3 |
| 82 | Display output result in table format | 2 | 2 |
| 83 | Verify Story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

# 

# Sprint 2

Total Story Points: 26 Total Hours: 172

## Current Velocity: 26

## Story 13: Car By Seating

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 84 | Create search page with button for sorting | 3 | 3 |
| 85 | Write test cases | 2 | 2 |
| 86 | Create cars, stores and orders tables | 2 | 2 |
| 87 | Write code to retrieve cars matching the number of seats selected | 3 | 2 |
| 88 | Display output result in table format | 2 | 3 |
| 89 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 15: Car Price Range

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 90 | Create search page with button for sorting | 3 | 2 |
| 91 | Write test cases | 2 | 3 |
| 92 | Create cars, stores and orders tables | 2 | 3 |
| 93 | Write code to retrieve cars within the selected price range | 3 | 2 |
| 94 | Display output result in table format | 2 | 2 |
| 95 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 20: Car By Type

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 96 | Create search page with button for sorting | 3 | 3 |
| 97 | Write test cases | 2 | 2 |
| 98 | Create cars, stores and orders tables | 2 | 2 |
| 99 | Write code to retrieve cars matching a body type selected | 3 | 3 |
| 100 | Display output result in table format | 2 | 2 |
| 101 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 24: Staff Customer History

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 102 | Create rental history page with button for sorting | 4 | 3 |
| 103 | Write test cases | 4 | 5 |
| 104 | Create cars, stores and orders tables | 2 | 2 |
| 105 | Write code to orders for a specific customer | 6 | 6 |
| 106 | Display output result in table format | 2 | 2 |
| 107 | Verify story is complete (Acceptance Test) | 4 | 4 |
|  | Story Points: 4 Total Hours: | 22 | 22 |

## Story 26: Most Used Cars

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 108 | Create rental history page with button for displaying data | 3 | 2 |
| 109 | Write test cases | 2 | 2 |
| 110 | Create cars, stores and orders tables | 2 | 3 |
| 111 | Write code to retrieve rental statistics about cars | 3 | 3 |
| 112 | Display output result in table format and graph | 4 | 3 |
| 113 | Verify story is complete (Acceptance Test) | 2 | 3 |
|  | Story Points: 2 Total Hours: | 16 | 16 |

## Story 28: View Store Activity

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 114 | Create rental history page with button for displaying data | 3 | 3 |
| 115 | Write test cases | 2 | 2 |
| 116 | Create cars, stores and orders tables | 2 | 2 |
| 117 | Write code to retrieve the number of check-ins and outs per store | 3 | 3 |
| 118 | Display output result in table format | 2 | 2 |
| 119 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 14 | 14 |

## Story 33: Find Customer

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 120 | Create customers page with search box | 2 | 1 |
| 121 | Write test cases | 1 | 2 |
| 122 | Create customers table | 1 | 1 |
| 123 | Write code to retrieve customers matching the searched name | 1 | 1 |
| 124 | Display output result in table format | 2 | 2 |
| 125 | Verify story is complete (Acceptance Test) | 1 | 1 |
|  | Story Points: 1 Total Hours: | 8 | 8 |

## Story 16: Generate Monthly Report

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 126 | Create rental history page with button for selecting months | 5 | 5 |
| 127 | Write test cases | 4 | 4 |
| 128 | Create cars, stores and orders tables | 2 | 2 |
| 129 | Write code to retrieve store statistics for the selected month | 7 | 7 |
| 130 | Display output result in table format | 4 | 4 |
| 131 | Verify story is complete (Acceptance Test) | 4 | 4 |
|  | Story Points: 4 Total Hours: | 26 | 26 |

## Story 32: Most Active Customers

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 132 | Create rental history page with button for displaying statistics | 2 | 2 |
| 133 | Write test cases | 1 | 1 |
| 134 | Create cars, stores and orders tables | 2 | 2 |
| 135 | Write code to retrieve customer statistics of most active | 1 | 1 |
| 136 | Display output result in table format | 1 | 1 |
| 137 | Verify story is complete (Acceptance Test) | 1 | 1 |
|  | Story Points: 1 Total Hours: | 8 | 8 |

## Story 5: Customer Personal History

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 138 | Create personal history and login page | 5 | 5 |
| 139 | Write test cases | 4 | 4 |
| 140 | Create cars, stores and orders tables | 2 | 2 |
| 141 | Write code to retrieve rental history for the customer | 4 | 4 |
| 142 | Write code to log in user | 4 | 4 |
| 143 | Display output order result in table format | 3 | 3 |
| 144 | Verify story is complete (Acceptance Test) | 4 | 4 |
|  | Story Points: 4 Total Hours: | 26 | 26 |

## Story 2: Clear Search Filter

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 36 | Create search page with search fields and clear button | 3 | 3 |
| 37 | Write test cases | 2 | 2 |
| 39 | Write code to clear search fields (or return to default value) | 3 | 3 |
| 41 | Verify story is complete (Acceptance Test) | 2 | 2 |
|  | Story Points: 2 Total Hours: | 10 | 10 |