**Release and Sprint Plans**

**Team Number**

|  |  |
| --- | --- |
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Version: Release and Sprint Plan Official Copy no.1

Date:28/08/2018

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Release Plan

# Release 1

Delivery date: Total Story Points: 23

Provide users with the initial website allowing for searching of cars, car recommendation, and available car information. Add an extra section of the website for employees, which provides relevant additional information.

## Vehicle Search

Customers and Employees can use searching tools and navigate the site.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID01 | Clear Navigation | 1 |
| ID02 | Finding Available Cars | 4 |
| ID06 | Customer - Recommended cars | 4 |
|  | Story Point Sub-Total: | 9 |

## Security

Customer and Employee features have a strong security field so classified info is maintained.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID03 | Secure Login System | 2 |
| ID07 | Restricted Customer Information Access | 4 |
|  | Story Point Sub-Total: | 6 |

## Extra Information

Customers and Management have access to past information

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID05 | Rental Information | 2 |
| ID04 | Finding info about a car | 4 |
| ID08 | Advanced Search Filter | 2 |
|  | Story Point Sub-Total: | 8 |

## 

# Release 2

Delivery date: Total Story Points: 20

Add extra features to the search functionality to allow for greater searching customization. Allow board members to see data represented differently for easier interpretation.

## Advanced Search Features

More search features will be provided to further improve the search function.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID09 | Customer Order History | 2 |
| ID10 | Car Rental History | 2 |
|  | Story Point Sub-Total: | 4 |

## Data Visualization

Members of the board will be given more features to interpret and visualize the available data.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| ID11 | Graphical Representation of rental data | 8 |
| ID12 | Map of Car History | 8 |
|  | Story Point Sub-Total: | 16 |

# Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 |
| Sprint 1 | | | | Sprint 2 | | | |
| Release 1 | | | | Release 2 | | | |

## 

## Estimated Velocity: Sprint 1: 23 | Sprint 2: 20

Sprint Plan

# Sprint 1

Total Story Points: 23 Total Hours: 180

## Current Velocity: N/A

## ID01: Navigation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create a main landing page | 3 |  |
| T02 | Create site theme & template | 5 |  |
| T03 | Write test cases | 3 |  |
| T04 | Create Navigation Bar | 3 |  |
| T05 | Verify story is complete | 1 |  |
|  | Story Points: Total Hours: | 15 |  |

## ID02: Finding Available Cars

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T04 | Create page with a tabular layout | 3 |  |
| T05 | Write test cases | 3 |  |
| T06 | Create database and populate with data | 9 |  |
| T07 | Write SQL Query to display only the available cars | 2 |  |
| T08 | Write internal API to handle the SQL query | 4 |  |
| T09 | Display available cars in table format | 2 |  |
| T10 | Display more car details upon clicking each individual car | 4 |  |
| T11 | Add counter to show total number of cars available | 2 |  |
| T12 | Verify story is complete | 3 |  |
|  | Story Points: Total Hours: | 32 |  |

## ID06: Customer Recommended Cars

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T13 | Putting a link to “Recommended Cars” on the home page. | 1 |  |
| T14 | Implement a popup box that is presented to the user when above link is clicked. | 3 |  |
| T15 | Create SQL query of user refinement inputted in popup | 5 |  |
| T16 | List Cars which match user refined search options on new page. | 4 |  |
| T17 | Add recommended cars to individual car pages | 4 |  |
| T18 | Implement dynamic filtering options at top of page. | 6 |  |
| T19 | Verify story is complete | 3 |  |
|  | Story Points: Total Hours: | 26 |  |

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## ID03 : Secure Login System

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T20 | “Add Employee” link on admin employee homepage | 1 |  |
| T21 | Write test cases for registration | 2 |  |
| T22 | Clicking “Add Employee” button brings up page showing required information to enter | 2 |  |
| T23 | Entering data on “Add Employee” page is verified before submitting to the database | 4 |  |
| T24 | Send confirmation email to new employees with standard password upon entry to database | 6 |  |
| T25 | Verify story is complete | 1 |  |
|  | Story Points: Total Hours: | 16 |  |

## ID07: Restricted Customer Information Access

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T26 | Add “Employee Login” link on home page, which links to a login page | 1 |  |
| T27 | Write test cases for login | 2 |  |
| T28 | Secure login feature with username and password verification (both frontend and backend verification) | 6 |  |
| T29 | Ensure security features such as input sanitization and password hashing | 4 |  |
| T30 | Add “Customers” link when employee is logged in | 2 |  |
| T31 | Add “Customers” page, which gives details about each customer in a table | 6 |  |
| T32 | Verify story is complete | 3 |  |
|  | Story Points: Total Hours: | 24 |  |

## ID05: Rental Information

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T33 | Add link to “Hiring Patterns” for logged in employees | 1 |  |
| T34 | Write test cases | 2 |  |
| T35 | Create “Hiring Patterns” page design | 3 |  |
| T36 | Write SQL query to find car types from each store location | 5 |  |
| T37 | Display results of query in tabular format | 4 |  |
| T38 | Show total number of rentals by customer | 2 |  |
| T39 | Verify story is complete | 2 |  |
|  | Story Points: Total Hours: | 19 |  |

## 

## ID04: Finding info about a car

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T40 | Write test cases | 4 |  |
| T41 | Add “Search for Car” link/search box for logged in employees | 1 |  |
| T42 | Create employee only API endpoint to search database for any specific entry | 6 |  |
| T43 | Create clear car info page | 3 |  |
| T44 | Use JQuery request to access API and receive selected cars’ information | 4 |  |
| T45 | Create a table which allows dynamic ordering of search results | 4 |  |
| T46 | Ensure proper error handling achieved when no results are found | 2 |  |
| T47 | Add counter to display number of search results | 2 |  |
| T48 | Verify story is complete | 2 |  |
|  | Story Points: Total Hours: | 28 |  |

## ID04: Advanced Search Filters

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T49 | Write test cases | 2 |  |
| T50 | Add JavaScript to all car display tables to allow for only the specified field to be displayed | 8 |  |
| T51 | Add a drop-down menu to specify what action to take with the selected field (changes color, doesn’t display etc.) | 4 |  |
| T52 | Include reset button to revert changes made to results | 2 |  |
| T53 | Add counter for number of results found from search | 2 |  |
| T54 | Verify story is complete | 2 |  |
|  | Story Points: Total Hours: | 20 |  |