**Release and Sprint Plans (UPDATED)**

**Team Number 32**

|  |  |
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Version: Final v2 After Sprint 2

Date: 2/11/2018

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Release Plan

# Release 1

Delivery date: **19/9/2018** Total Story Points: **52**

The goals of the first release are to achieve the core skeletal functions of the desired product requested by the client. These business intelligence features are aimed at providing value to the Car Rental Company (CRC), which are approached in the form of the ability to review, record and use data, which may be used by company executives and sales assistants alike, as well as adding security.

## Data Review

These features add value by allowing Company Executives to review data and present data in a meaningful way.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#1 | Company Executive Business Intelligence | 8 |
| S#2 | Business Intelligence Graphs | 5 |
|  | Story Point Sub-Total: | 13 |

## Data Recording

This feature adds value by allowing sales staff to add data to the database to be reviewed and use by relevant parties.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#3 | Log Store Activities | 8 |
|  | Story Point Sub-Total: | 8 |

## Sales Services

This feature adds value by assisting the sales team, in provide a better service to the CRCs customers.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#11 | Suggest Suitable Vehicle | 8 |
| S#12 | Search Available Vehicle By Location | 5 |
| S#10 | Check Specific Vehicle Availability | 8 |
|  | Story Point Sub-Total: | 21 |

## Data Security

These functions are necessary to secure the value of the data as well as adhering to basic security and privacy principals.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#5 | System Admin Data Security | 5 |
| S#6 | User Role Based Permissions | 5 |
|  | Story Point Sub-Total: | 10 |

# Release 2

Delivery date: **To be advised**  Total Story Points: **59**

The goal of the second release, is to add to existing functionality, as well as adding more sales services. This comes in the form of adding the ability to update the existing database and additional sales services, as well as adding more functionality and business intelligence features, to increase value to the client.

## 

## Data Updating

This feature adds value by allowing sales staff to update data on the database which will be reviewed and use by relevant parties.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#4 | User Update Data | 5 |
|  |  |  |
|  | Story Point Sub-Total: | 5 |

## Addition Business Intelligence

These features add value by allowing staff to use data on the database to improve efficiency of CRC.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#8 | Analyse Customer Demographics | 5 |
| S#15 | Vehicle Maintenance Notification | 5 |
| S#18 | Decommission Vehicles | 3 |
| S#21 | SAP Integration | 13 |
| S#22 | Insurance Data Integration | 13 |
|  |  |  |
|  | Story Point Sub-Total: | 39 |

## Additional Sales Services

This feature adds value by assisting the sales team, in provide a better service to the CRCs customers.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#7 | Sales Assistant Vehicle Recommendation | 5 |
| S#14 | Find Customer Information | 5 |
| S#13 | List Available Vehicles | 5 |
|  |  |  |
|  | Story Point Sub-Total: | 15 |

# 

# 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 | Week 18 | Week 19 | Week 20 | Week 21 |
| Sprint 3 | | | | Sprint 4 | |  | |
| Release 2, 3, … | | | | | | | |

## Estimated Velocity:

Team size = 5

Sprint duration = 4 x 5 (NumWeeks \* NumDays)

Ideal Days = 100\*0.33

Cumulative = 33.3

Team Velocity = 33.3

Ideal day is 2 hours per person per day

# Story Backlog:

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S#16 | Customer Hotspots | 8 |
| S#20 | Vehicle Inspection Certification Recording | 5 |
|  | Story Point Sub-Total: | 13 |

Sprint Plan

# Sprint 1

Total Story Points: **26** Total Hours: **260**

## Current Velocity: 1 story point = 2 hours of work per team member

Example: 8 story points = 8(points)\*2(hours)\*5(team size) = 80 hours

## Story ID: #1 Company Executive Business Intelligence

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Define all the models. | 16 | 14 |
| T02 | Create View | 12 | 12 |
| T03 | Create queries | 8 | 6 |
| T04 | Add filtering | 12 | 8 |
| T05 | Calculate metadata | 8 | 8 |
| T06 | Link URL paths and Navigation | 4 | 2 |
| T07 | Testing | 10 | 12 |
| T08 | Refactoring | 10 | 12 |
|  | Story Points: 8 Total Hours: | 80 | 74 |

## Story ID: #2 Business Intelligence Graphs

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T09 | Write additional queries | 4 | 2 |
| T10 | Implement JS Graphing Library | 6 | 12 |
| T11 | Restructure data for use by graphing library | 6 | 4 |
| T12 | Implement graphs | 6 | 6 |
| T13 | Ensure graphs are downloadable | 4 | 2 |
| T14 | Implement spreadsheet downloading | 6 | 2 |
| T15 | Testing | 10 | 8 |
| T16 | Refactoring | 8 | 8 |
|  | Story Points: 5 Total Hours: | 50 | 44 |

## Story ID: #11 Suggest Suitable Vehicle

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T17 | Create Questionnaire View | 12 | 8 |
| T18 | Create result list view | 12 | 8 |
| T19 | Determine Filters | 12 | 10 |
| T20 | Create automatic query generation | 12 | 12 |
| T21 | Allow access without authentication | 8 | 4 |
| T22 | Link URL paths and Navigation | 4 | 2 |
| T23 | Testing and Refactoring | 10 | 10 |
| T24 | Refactoring | 10 | 10 |
|  | Story Points: 8 Total Hours: | 80 | 64 |

## Story ID: #12 Search Available Vehicle By Location

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T25 | Create List View | 8 | 6 |
| T26 | Allow filtering based on store selection (drop down) | 8 | 6 |
| T27 | Create automatic query generation | 8 | 4 |
| T28 | Allow access without authentication | 4 | 2 |
| T29 | Link URL paths and Navigation | 4 | 2 |
| T30 | Testing | 10 | 10 |
| T31 | Refactoring | 10 | 10 |
|  | Story Points: 5 Total Hours: | 50 | 40 |

**Total Hours Taken: 222**

# Sprint 2

Total Story Points: **26** Total Hours: **260**

## Current Velocity: 1 story point = 2 hours of work per team member

Example: 8 story points = 8(points)\*2(hours)\*5(team size) = 80 hours

## Story ID: #3 Log Store Activities

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T32 | Create Form Format | 12 | 11 |
| T33 | Implement data submission | 10 | 10 |
| T34 | Allow data preview before submission | 8 | 6 |
| T35 | Prevent new data from changing existing associated data objects | 8 | 8 |
| T36 | Ensure Data Integrity | 6 | 6 |
| T37 | Data Validation and Sanitisation | 12 | 10 |
| T38 | Link URL paths and Navigation | 4 | 2 |
| T39 | Testing | 10 | 10 |
| T40 | Refactoring | 10 | 10 |
|  | Story Points: 8 Total Hours: | 80 | 73 |

## Story ID: #5 System Admin Data Security

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T41 | Create Login page Layout | 10 | 6 |
| T42 | Sanitise Login Data | 10 | 6 |
| T43 | Check user login credentials | 8 | 8 |
| T44 | Prevent cross-site scripting | 10 | 12 |
| T45 | Restrict system to use login data only during requests | 12 | 4 |
|  | Story Points: 5 Total Hours: | 50 | 36 |

## Story ID: #6 User Role Based Permissions

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T46 | Create Role-based permissions | 8 | 8 |
| T47 | Create Permissions List | 4 | 4 |
| T48 | Create Permissions Create/Update | 6 | 4 |
| T49 | Create User List | 8 | 4 |
| T50 | Create User Permissions View | 4 | 4 |
| T51 | Create User Permissions Create/Update | 6 | 6 |
| T52 | Testing | 8 | 10 |
| T53 | Refactoring | 6 | 10 |
|  | Story Points: 5 Total Hours: | 50 | 50 |

## Story ID: #10 Check Specific Vehicle Availability

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T54 | Create Vehicle List | 12 | 8 |
| T55 | Create Vehicle View | 12 | 8 |
| T56 | Add Last Location entry on Vehicle View | 8 | 4 |
| T57 | Make sure Last Location displays most recent entries first | 4 | 4 |
| T58 | Allow access without authentication | 10 | 10 |
| T59 | Prevent user from navigating to employee section of site | 6 | 4 |
| T60 | Testing | 16 | 12 |
| T61 | Refactoring | 12 | 12 |
|  | Story Points: 8 Total Hours: | 80 | 62 |