Release and Sprint Planning

Team 116

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# Table of contents

[**Release Plan**](#_rs9bu6p4czbz) **2**

[Release 1](#_h9t7jamq75wh) 2

[View Vehicles](#_lzckpt3rszuk) 2

[Car recommendation](#_2vd26soznahn) 2

[Access Control System](#_zczkm07x0zxu) 3

[Data managing](#_xtqkfybi6tcx) 3

[Release 2](#_g4v9s56f0mfk) 4

[Create report](#_c7441xyk5cpf) 4

[Release 3](#_sb2fkykuf2r8) 5

[Customer support](#_6fuwecuah34u) 5

[Vehicle searching system](#_vd8f0kcun7fv) 5

[Delivery Schedule](#_bzgqt4sbp6nj) 6

[Estimated Velocity: 30](#_vc3mnosd7qwn) 6

[**Sprint Plan**](#_fg5l6nn31gv6) **7**

[Sprint 1](#_e0zem5w6cekf) 7

[Story ID 02: View Available Vehicles.](#_p3cgoaqxhhkj) 7

[Story ID 09: Car recommendation.](#_4fu4ojvsgvwe) 7

[Story ID 23: Account Registration](#_uh8413r9ta4f) 8

[Story ID 10: Login system.](#_t9irq44bddcf) 8

[Story ID 13: Data Cleansing](#_8mpzxf1fkhl1) 9

[Story ID 14: Rental history](#_htilg4gyywge) 9

# Release Plan

## Release 1

Delivery date: 5/9/2018

Total Story Points: 24

Provides an interactive database that potential customers will be able to view available and rented cars. These cars will also be sorted by categorisation (Popular, Small Vehicles, Large Vehicles, Hot Deals...). The database will also be able to recommend cars based on questions answered by the customer, the database will be secured by an access control system implemented to secure sensitive data.

### View Vehicles

A page in the website where the user can navigate through a directory of the vehicles, reading information about the availability and other details of the vehicle.

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story Title** |  | **Story Points** |
| **S02** | View Available Vehicles |  | 2 |
| **S03** | View All Vehicles |  | 1 |
|  |  | Story Point Sub-total | 5 |

### Car recommendation

A functionality located in the homepage where users find car recommendations based on their interest.

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story Title** |  | **Story Points** |
| **S09** | Car Recommendation |  | 2 |
|  |  | Story Point Sub-total | 2 |

### Access Control System

Login system which allows user to access the internal database through an access control system that is implemented to increase data privacy.

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story Title** |  | **Story Points** |
| **S23** | Account registration |  | 2 |
| **S10** | Login System |  | 2 |
| **S11** | Password Change |  | 1 |
| **S24** | Reset forgotten Password |  | 1 |
|  |  | Story Point Sub-total | 6 |

## 

### Data managing

This function includes features that allows easy manipulation and better clairvoyance within the database.

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story Title** |  | **Story Points** |
| **S13** | Data Cleansing |  | 1 |
| **S14** | Rental History |  | 2 |
|  |  | Story Point Sub-total | 7 |

## 

## Release 2

Delivery date:

Total story points: 10

Release 2 will be focusing on features that will act as a supporting feature for the data analyst, these include a monthly report and different data collections (sales, customers ect) and advance support. Firstly a monthly report will provide the company of a good indication on how sales, customers and the business is going. The advanced support for the data analyst will help them sort through all the data and find out what piece of data are relevant.

### Create report

This functionality creates reports for data analysts to conveniently analyse the sales of the company and conclude predictive directions or decisions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story Title** |  | **Story Points** |
| **S18** | Store Monthly Report |  | 2 |
| **S16** | Data Collection |  | 2 |
|  |  | Story Point Sub-total | 10 |

## 

## Release 3

Delivery date: Undefined

Total story points: 12

Release 3 will be focusing on 3 main aspects customer support, data management and a filtration system, the customer support will be separate pages that allow the user to gather information about the rental car company this includes an about us, contact us page ect. the data management will only be available to employees but allow them to manipulate and maintain the data. Finally the filtration system will allow users to filter through the data so that their needs are met, whether the potential customers are looking for a specific brand, lowest price or best selling this filtration system will allow that.

### Customer support

Customers are able to find the company’s background, details to contact, report in case of a problem and be instructed to use the web-service efficiently.

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story Title** |  | **Story Points** |
| **S22** | About us |  | 1 |
| **S21** | Contact us |  | 1 |
|  |  | Story Point Sub-total | 4 |

### Vehicle searching system

Users are allowed to search more thoroughly and precisely through the car directory database by filtering with keywords and vehicle characteristics, and also by sorting.

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story Title** |  | **Story Points** |
| **S05** | Vehicles searching system |  | 2 |
|  |  | Story Point Sub-total | 8 |

## 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, 3, 4, … | | | | | | | |

Estimated Velocity: 30

# Sprint Plan

## Sprint 1

Total Story Points: 13

Total Hours: 54.5

Current Velocity: undefined

### Story 02: View Available Vehicles.

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create a page with a format of vehicle display | 3 | 2 |
| T02 | Use Django framework to load the database with the formatted vehicle display | 4 | 6 |
| T03 | Create a hyperlink on the navigation bar that links to the page created in T01 | 0.5 |  |
| T04 | Write test cases | 1 | 1 |
| T05 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2  Total Hours: 9.5 |  |  |

### Story 09: Car recommendation.

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T06 | Create the recommendation page with questions and answer box | 2 | 2 |
| T07 | Write codes to collect customer’s answer and determine which of the cars are recommended for what purposes | 3 |  |
| T08 | Use Django framework to load from the database and display the cars that have been selected in T06 | 2 |  |
| T09 | Write test cases | 1 |  |
| T10 | Write codes to format the results | 2 |  |
| T11 | Verify the story is complete (acceptance test) | 1 |  |
|  | Story Points: 2  Total Hours: 11 |  |  |

### Story 23: Account Registration

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T12 | Create page that asks for all sign in credentials | 3 | 2 |
| T13 | Create a button that links to the website in T12 on the Login page | 0.5 |  |
| T14 | Write codes to verify email address | 1 | 1 |
| T15 | Write codes to request to push record to database | 2 | 2 |
| T16 | Write test cases | 1 | 1 |
| T17 | Write codes to send email to employee to confirm their registration | 2 | 3 |
| T18 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2  Total Hours: 10.5 |  |  |

### Story 10: Login system.

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T19 | Create a page that allows user to input their login credentials | 1 | 1 |
| T20 | Create a “Login” button on the header of the website and link it to the page | 0.5 |  |
| T21 | Write code to verify account. | 2 | 0.5 |
| T22 | Write code to display message when exceptions are thrown. | 0.5 |  |
| T23 | Write test cases. | 1 |  |
| T24 | Write codes to enable users to change their passwords (after verify their old passwords) | 2 |  |
| T25 | Write codes to send password reset link to users who forget their passwords (after verify their email address) | 2 |  |
| T24 | Verify the story is complete (acceptance test). | 0.5 |  |
|  | Story Points: 2  Total Hours: 9.5 |  |  |

### Story 13: Data Cleansing

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T25 | Write codes to collect incorrect, incomplete data | 2 |  |
| T26 | Write codes to replace those incorrect data with “mean” | 1 |  |
| T27 | Write test cases | 1 |  |
| T28 | Verify the story is complete (acceptance test) | 1 |  |
|  | Story Points: 1 Total Hours: 5 |  |  |

### Story 14: Rental history

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Create a page that shows rental history of the company | 2 | 1 |
| T30 | Load appropriate data from database to the page | 2 | 1 |
| T31 | Format the display | 2 | 1 |
| T32 | Write test cases | 2 | 1 |
| T33 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: 9 |  |  |

## Sprint 2:

Total Story Points: 10

Total Hours: 33

Current Velocity:

### Story 3: View all vehicles

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Write code to retrieve data from database | 2 | 1 |
| T30 | Write code to display all vehicles | 1 | 1 |
| T32 | Write test cases | 1 | 0.5 |
| T33 | Verify the story is complete (acceptance test) | 1 | 0.5 |
|  | Story Points: 1 Total Hours: 3 |  |  |

Story 11: Password Change

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Write codes to verify email address | 1 | 1 |
| T30 | Write codes to enable users to change their passwords (after verifying their email address) | 2 | 1 |
| T32 | Write test cases | 2 | 1 |
| T33 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 6 |  |  |

Story 24: Reset forgotten Password

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T | Write code to display message when exceptions are thrown in the login process | 1 | 0.5 |
| T | Write codes to send password re-set link to users who forget their passwords (after verifying their email address) | 1 | 1 |
|  | Write test case | 2 | 1 |
|  | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 3.5 |  |  |

Story 18: Store monthly report

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Write code to retrieve input from the website | 2 | 0.5 |
| T30 | Write code to manipulate the input and generate results | 2 | 1 |
| T31 | Write code to show results back to the webpage | 2 | 0.5 |
| T32 | Write test cases | 2 | 1 |
| T33 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: 5 |  |  |

Story 16: Data collection

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Write code to get data from database | 2 | 1 |
| T30 | Write code to show the data | 2 | 0.5 |
| T32 | Write test cases | 2 | 1 |
| T33 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: 3.5 |  |  |

Story 22: About us

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Write code to display the company’s information | 2 | 1 |
| T32 | Write test cases | 2 | 1 |
| T33 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 3 |  |  |

Story 21: Contact us

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Write code to display contact details | 2 | 1 |
| T32 | Write test cases | 2 | 1 |
| T33 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 3 |  |  |

Story 5: Vehicles searching system

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Write code to get input from the searching field | 2 | 1 |
| T30 | Write code to generate input into results | 2 | 2 |
| T31 | Write code to display results | 2 | 1 |
| T32 | Write test cases | 2 | 1 |
| T33 | Verify the story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 6 |  |  |