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Release & Sprint Plans

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Release Plan

# Release 1

Delivery date: 26 October 2018 Total Story Points: 78

Provide an initial welcome page to search for vehicles. Customers can filter for vehicle details and view the vehicles that match the filtered options selected. Employees and customers can login to store different information based on which role the user has Customers are able to provide feedback to help other customers using the website to search for a vehicle to rent and a selection of those feedback will be posted on the website. The Security manager places a security authentication on the website to prevent those who do not have access from entering the website. Customer can view information related to the store information and use Global Pointing System (GPS) location to find the nearest store.

## Searching

Customers can search for a vehicle. They will be able to use the initial search function on the welcome page to input the date and time for renting the vehicles.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s06 | Search Particular Vehicle | 4 |
| s15 | Initial Search Function | 8 |
|  | Story Point Sub-Total: | 12 |

## Filtering

Customers can view vehicles and filter vehicles requirements that the user selects. For example, a user can filter for cars on fuel type, capacity, vehicle type, Transmission type, year model, sports cars and family cars are a few of the options a user can filter a search.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s08 | Car Details | 2 |
| s09 | Filter | 4 |
|  | Story Point Sub-Total: | 6 |

## Inputting credentials

Users can create an account and log in to access the database. Also, they can login to store customer information. Customers can also use a method to login such as social media (e.g. Facebook). When a user wants to sign/ Signup into CRC site the user will select their role such as a guest, employee and manager. Different users will have different functionality access to the site and only the employee and the manager will have back end access. Users can

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s01 | Employees’ Account | 8 |
| s14 | Login as Customer | 4 |
|  | Story Point Sub-Total: | 12 |

## Feedback

Customers are to be able to view recommendations from other consumers to help support the customer in making the right decisions. Also, the users can view ratings of stores as well as frequently asked questions. Furthermore, customers will be able to provide feedback and provide a rating out of 5 to the store or the CRC company directly.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s18 | Customer Rating | 4 |
| s20 | FAQ | 2 |
| s29 | Feedback | 4 |
|  | Story Point Sub-Total: | 10 |

## Retrieving data

Only staff members have access the database to check the car parts that need replacing, check customer details, see what vehicles are rented by which customer. Also, they can view peak times vehicles are rented. Employees can access information relevant to their role as different users with have different back end access.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s02 | Car Maintenance | 4 |
| s04 | Checking Customers’ Details | 4 |
| s10 | Customer Rented Vehicles | 4 |
|  | Story Point Sub-Total: | 12 |

## Security

Users are not able to login when entering the wrong password. If multiple incorrect attempts of logging in from either the wrong input the user name or password or both, the user will deny access into their account & the Security manager will be directly notified. The security manager can deny access to users and grant them as well.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s07 | Security Authentication | 8 |
|  | Story Point Sub-Total: | 8 |

## Store Information

Customers can view the store information, about us page detailing the company information and the store office hours. Also, this page will provide users the option to select the function called “Nearest Location” to find the nearest store to them using a GPS signal which provides the user the closet stores in a 30km radius.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s12 | Store Information | 2 |
| s11 | Rental Peak Times | 8 |
| s19 | Nearest Location | 2 |
| s21 | About Company | 4 |
| s25 | Store Office Hours | 2 |
|  | Story Point Sub-Total: | 18 |

# Release 2

Delivery date: To be Negotiated Total Story Points:22

Customers can provide vehicle recommendations to help other customers with choosing a vehicle to rent. The regional manager can view the weekly/monthly sales performance for each store. Holiday travellers that rent a car user can view recommendations of things to do and places to go. Sales Manager. Sales Managers can create a daily report in the database.

**Vehicle Recommendation**

Customers will be provided recommendations of vehicles based on previous customer recommendations and their geographic location. Next to each recommendation will be a comment from past customers of why they valued that vehicle such as “Great Fuel Economy,” “Great Pricing” and given a rating out of 5.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s16 | Geographic Recommendation | 4 |
| s17 | Customer Recommendation | 2 |
|  | Story Point Sub-Total: | 6 |

## Sales

The regional manager will be able to check the weekly/monthly sales performance to view the stores performance. The manager can view the vehicles that are rented by each customer to see which vehicles are rented the most.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s03 | Checking Store’s Performance | 4 |
| s05 | Preferred Customer Vehicles | 4 |
|  | Story Point Sub-Total: | 8 |

## Travel Destinations

For holiday travellers, as part of the experience of hiring a car, users can view recommendations of travel destinations of local places to visit based on popular destinations and based on their state and location they’re in.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s26 | Travel Destination | 4 |
|  | Story Point Sub-Total: | 4 |

## Daily Report

Sales managers can create a daily report in the database based on key performance indicators such as popular cars rented, sort on store performance in terms of total revenue generated, peak times of cars rented, and total amount of cars rented.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| s27 | Daily Report | 4 |
|  | Story Point Sub-Total: | 4 |

# Release 3

Delivery date: To be Negotiated Total Story Points:12

Short paragraph summarising the goals for this release.

## Booking

Users can view the booking methods, check the rental agreement (terms and conditions) and check the book details through an email. They’re able to book using a debit card, credit card where they’re requested to enter their card details upon completing their booking. The user is also able to pay by cash in store as the other option of payment.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S22 | Booking Methods | 8 |
| s24 | Rental Agreement | 4 |
|  | Story Point Sub-Total: | 12 |

# 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 + 2 | | | |

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

## Estimated Velocity: 25

Sprint Plan

# Sprint 1

Total Story Points: 32 Total Hours: 49

## Current Velocity: 20

## Story 15: Initial Search Function

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create a welcome page and an initial search textbox | 0.5 |  |
| T02 | Write test cases | 2 |  |
| T03 | Create code to retrieve different search words from the database | 6 |  |
| T04 | Verify story is complete (acceptance test) | 2 |  |
|  | Story Points: 8 Total Hours: | 10.5 |  |

## Story 06: Search Particular Vehicle

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T05 | Create a textbook field to search for a vehicle | 0.5 |  |
| T06 | Write test cases | 1 |  |
| T07 | Add code insert the information of a vehicle that will be searched | 4 |  |
| T08 | Verify story is complete (acceptance test) | 1 |  |
| s | Story Points: 4 Total Hours: | 6.5 |  |

## Story 09: Filter

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T09 | Create a page with vehicles available for viewing | 1 |  |
| T10 | write test cases | 1 |  |
| T11 | Create a vehicle button which will lead to the page with vehicle available for viewing | 1 |  |
| T12 | Create check boxes to be able to filter by certain things e.g. (rental price, type etc) | 2 |  |
| T13 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4 Total Hours: | 6 |  |

**Story 01: Employees Account**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T14 | Create a welcome page with a sign-up button on it | 2 | 1 |
| T15 | Write test cases | 1.5 | 2 |
| T16 | Have a drop-down box with three options to log in by (guest, employee, manager) | 2 | 6 |
| T17 | Create a register button and a signup page which will be open once the register button is clicked | 4 | 6 |
| T18 | Create a textbox to be able to input username and password | 2 | 1 |
| T19 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 8 Total Hours: | 12.5 | 17 |

**Story 02: Car Maintenance**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T20 | Create a database and page with all the vehicle information on it | 3 | 5 |
|  | Write test cases | 1.5 | 1 |
| T21 | Make a vehicle database button that once clicked will lead to the page with the vehicle information | 2 | 1 |
| T22 | Verify story is complete (acceptance test) | 1 | 2 |
|  | Story Points: 4 Total Hours: | 7.5 | 9 |

**Story 04: Checking Customers’ Details**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T23 | Create a customer’s page and a customer database button | 2 | 5 |
| T24 | Write test cases | 1 | 1 |
| T25 | Add the customer details to the page which include:   * Name * Contact details: * Email * Phone Number * Date of Birth | 2 | 2 |
| T26 | Verify story is complete (acceptance test) | 1 | 2 |
|  | Story Points: 4 Total Hours: | 6 | 10 |

Sprint Plan

# Sprint 2

Total Story Points: 28 Total Hours: 49

## Current Velocity: 20

## Story 15: Initial Search Function

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create a welcome page and an initial search textbox | 0.5 |  |
| T02 | Write test cases | 2 |  |
| T03 | Create code to retrieve different search words from the database | 6 |  |
| T04 | Verify story is complete (acceptance test) | 2 |  |
|  | Story Points: 8 Total Hours: | 20 |  |

## Story 06: Search Particular Vehicle

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T05 | Create a textbook field to search for a vehicle | 0.5 |  |
| T06 | Write test cases | 1 |  |
| T07 | Add code insert the information of a vehicle that will be searched | 4 |  |
| T08 | Verify story is complete (acceptance test) | 1 |  |
| s | Story Points: 4 Total Hours: | 6.5 |  |

## Story 09: Filter

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T09 | Create a page with vehicles available for viewing | 1 |  |
| T10 | write test cases | 1 |  |
| T11 | Create a vehicle button which will lead to the page with vehicle available for viewing | 1 |  |
| T12 | Create check boxes to be able to filter by certain things e.g. (rental price, type etc) | 2 |  |
| T13 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4 Total Hours: | 6 |  |

**Story 08: Car Details**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T14 | Create a vehicle summary with vehicle picture in the view vehicle page | 2 |  |
| T15 | Write test cases | 1 |  |
| T16 | Create specific vehicle page for when user presses on a vehicle on vehicle page with detailed information on vehicle | 1 |  |
| T17 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 5 |  |

**Story 12: Store Information**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T18 | Create an about page | 0.5 |  |
| T19 | Write test cases | 1 |  |
| T20 | Implement shortcuts in about page | 1 |  |
| T21 | Create information and store location function in about page | 1 |  |
| T22 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 4.5 |  |

**Story 11: Rental Peak Times**

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T23 | Create an analyse button in database pages | 0.5 |  |
| T24 | Write test cases | 1 |  |
| T25 | Analyse button creates a graph for the database | 8 |  |
| T26 | Create a xml file from the graphs | 8 |  |
| T27 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 8 Total Hours: | 18.5 | 10 |