

Release and Sprint Plans

Team Number 4

Perfectly Unbalanced

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Release Plan

Release 1

Delivery date: 23/10/2018

Total Story Points: 24

This initial first release will provide the user with all the fundamental features that will make our Car Rental application a success. A fully designed front-end UI design will be implemented also allows for different methods of presenting searched data. The existing database will be overhauled and redone, the user will be able to search for specific cars they want for rent with further searching being able to be done with filters. Finally, user authentication will be added so users will be able to login and will add a bit of security.

Visual Presentation

The visual presentation feature is one of the most important features of this application as it should allow for the users, employees, owners to see all the information and should also be implemented in such a way where it is easy to use and navigate.

| Story ID | Story Title | Story Points |
|------------------------|-----------------------|--------------|
| US01 | Home Page | 4 |
| US21 | Search Results Page | 4 |
| US18 | Car Information Page | 1 |
| US11 | Display Data | 1 |
| US20 | Reporting Page | 1 |
| US19 | Customer Profile Page | 2 |
| Story Point Sub-Total: | | 13 |

Searching

The searching feature will allow the user to search for cars by type, price, transmission type, and also implement a advanced filtering feature that will allow the user of the application to have there search results formatted in certain ways for easier use.

| Story ID | Story Title | Story Points |
|------------------------|----------------------|--------------|
| US05 | Specific Search | 1 |
| US06 | Search Filter/Sort | 1 |
| US13 | Search Results | 2 |
| US04 | Vehicle Availability | 2 |
| Story Point Sub-Total: | | 6 |

User Authentication

The user authentication feature is a feature that must be implemented into the app. This should allow users to login and have different levels of account with a customer account, employee account, and finally a owner account.

| Story ID | Story Title | Story Points |
|------------------------|-----------------------|--------------|
| US02 | User Authentication | 2 |
| US03 | Display Without Login | 1 |
| Story Point Sub-Total: | | 3 |

Database Re-Implementation

The Database Re-Implementation feature will grab all the existing data and put that all into a new more reliable Database. The web application will search within this database and also grab information from it to display to the user.

| Story ID | Story Title | Story Points |
|------------------------|-------------------|--------------|
| US09 | Improved Database | 2 |
| Story Point Sub-Total: | | 2 |

Release 2

Delivery date: To Be Announced

Total Story Points: 15

This release works towards revealing more information for both users and the client, with Car recommendations from the database as well as reporting back to the client about how the company is doing. Some App responsiveness will also be worked on to provide a better user experience.

Car Recommendations

The Car Recommendations feature will allow the users to get a list of cars that matches criteria they enter into the search field so it is easier for them to find their ideal car. As well as this the application will also show the top rented cars and this will change on a weekly basis.

| Story ID | Story Title | Story Points |
|------------------------|----------------------------|--------------|
| US07 | Car Rental Recommendations | 2 |
| US14 | Rental Popularity | 2 |
| Story Point Sub-Total: | | 4 |

Information Reporting

Information will be sorted and reported back to the client to see where the company is standing for overall monthly performance. Essential to plan ahead when making changes.

| Story ID | Story Title | Story Points |
|------------------------|----------------------------|--------------|
| US08 | Monthly Rental Information | 2 |
| US15 | Monthly Report Download | 1 |
| Story Point Sub-Total: | | 3 |

App Responsiveness

A more responsive app will lead to customers and employees with a better response towards using the app, this will make overall use easier for everyone.

| Story ID | Story Title | Story Points |
|------------------------|--------------------|--------------|
| US12 | App Responsiveness | 8 |
| Story Point Sub-Total: | | 8 |

Release 3

Delivery date: To Be Announced

Total Story Points:15

This Release will bring in final touches for the user that will give more communication channels through added contact details, Customer reviews and a live chat to help customers right then and there. We will also add some nice touches to improve overall experience with a trip planner to help make customers overall experience better and a way to view all previous history with us.

Customer Aid

Customers responses are critical to the business and will guide the company towards any improvements they could implement.

| Story ID | Story Title | Story Points |
|------------------------|------------------|--------------|
| US16 | Contact Details | 1 |
| US22 | Customer Reviews | 4 |
| US17 | Live Chat | 4 |
| Story Point Sub-Total: | | 9 |

User Service

With helpful tools for customers this will leave a positive view of the web app when planning for trips or when viewing any trips they have done.

| Story ID | Story Title | Story Points |
|------------------------|-------------------|--------------|
| US23 | Trip Planner | 4 |
| US24 | View User History | 2 |
| Story Point Sub-Total: | | 6 |

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 | | | |

| | | | | | | | |
|-----------|--|--|--|-----------|--|--|--|
| | | | | | | | |
| Sprint 3 | | | | Sprint 4 | | | |
| Release 2 | | | | Release 3 | | | |

Estimated Velocity: 12

Sprint Plan

Sprint 1

Total Story Points: 10

Total Hours: 42

Current Velocity: -

Actual Total Hours: 50

Story 01: Home Page

| Task ID | Task Description | Estimate | Taken |
|-----------------|--|-----------------|-----------|
| T01 | Discuss overall UI styling | 1 | 1 |
| T02 | Sketch plan for UI | 2 | 1 |
| T03 | Build prototypes of sketched UI | 4 | 2.5 |
| T04 | Pseudocode of UI | 1 | 1 |
| T05 | Write code for UI based on built pseudocode | 3 | 4 |
| T06 | Create navigation pane / Create Search box - Minor Functionality | 2 | 1.5 |
| T07 | Confirm completion through Acceptance Criteria | 1 | 1 |
| Story Points: 4 | | Total Hours: 14 | 12 |

Story 09: Improved Database

| Task ID | Task Description | Estimate | Taken |
|-----------------|---|-----------------|-------------|
| T08 | Analyse old database for redundant data | 1 | 1 |
| T09 | Develop database model | 2 | 2 |
| T10 | Pseudocode SQL database based on model | 1 | 1 |
| T11 | Set up SQL database based on model and pseudocode | 2 | 2 |
| T12 | Collect data across all locations | 0.5 | 1 |
| T13 | Move data from old database to SQL database | 2 | 2 |
| T14 | Add Security and authentication for access | 1 | 2 |
| T15 | Add minor search functionality for testing | 0.5 | 0.5 |
| T16 | Confirm completion through Acceptance Criteria | 1 | 1 |
| Story Points: 2 | | Total Hours: 10 | 12.5 |

Story 18: Car Information Page

| Task ID | Task Description | Estimate | Taken |
|-----------------|--|----------------|------------|
| T17 | Discuss Design of this page | 1 | 1 |
| T18 | Sketch plan for UI using elements from home page | 1 | 1 |
| T19 | Build prototype of sketched UI | 1 | 1.5 |
| T20 | Pseudocode of UI | 1 | 1 |
| T21 | Write code for UI based on built pseudocode | 1 | 3 |
| T22 | Confirm completion through Acceptance Criteria | 1 | 1 |
| Story Points: 1 | | Total Hours: 6 | 8.5 |

Story 20: Reporting Page

| Task ID | Task Description | Estimate | Taken |
|---------|--|----------|-------|
| T23 | Discuss Design of this page | 1 | 1 |
| T24 | Sketch plan for UI using elements from home page | 1 | 1 |

| | | | |
|------------|--|----------------|----------|
| T25 | Build prototype of sketched UI | 1 | 1.5 |
| T26 | Pseudocode of UI | 1 | 1 |
| T27 | Write code for UI based on built pseudocode | 1 | 2.5 |
| T28 | Confirm completion through Acceptance Criteria | 1 | 1 |
| | Story Points: 1 | Total Hours: 6 | 8 |

Story 19: Customer Profile Page

| Task ID | Task Description | Estimate | Taken |
|------------|---|----------------|----------|
| T29 | Discuss Design of this page | 1 | 1 |
| T30 | sketch plan for UI using elements from home page | 1 | 1 |
| T31 | Build prototype of sketched UI | 1 | 1 |
| T32 | Pseudocode of UI styling | 1 | 1 |
| T33 | Write code for UI based on built pseudocode | 1 | 2 |
| T34 | Code - Customer Information from DB (inc. Rent History) | 1 | 2 |
| T35 | Confirm completion through Acceptance Criteria | 1 | 1 |
| | Story Points: 1 | Total Hours: 6 | 9 |