

Release and Sprint Plans

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Table of Contents

Release 1	3
Visual Presentation	3
Searching	3
User Authentication	3
Database Re-Implementation	4
Release 2	4
Car Recommendations	4
Information Reporting	4
App Responsiveness	4
Release 3	5
Customer Aid	5
User Service	5
Delivery Schedule	5
Estimated Velocity: 12	Error! Bookmark not defined.
Sprint 1	6
Story ID: Home Page	Error! Bookmark not defined.
Story ID: Improved Database	Error! Bookmark not defined.
Story ID: Car Information Page	Error! Bookmark not defined.
Story ID: Reporting Page	Error! Bookmark not defined.
Story ID: Customer Profile Page	7

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: 12

Total Hours: 55.5

Current Velocity: 12.5

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 mySQL database based on model and pseudocode	2	2
T12	Collect data across all locations	0.5	0.5
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

Story 21: Search Results Page

Task ID	Task Description	Estimate	Taken
T36	Discuss Design of this page	1	1
T37	sketch plan for UI using elements from home page	1	0.5
T38	Build prototype of sketched UI	1	1
T39	Pseudocode of UI styling	1	0.5
T40	Write code for UI based on built pseudocode	1	1
T41	Code – Search results with example data	2	1
T42	Confirm completion through Acceptance Criteria	2	0.5
	Story Points: 2	Total Hours 8	5.5