**Agile - Scrum**

**Car Web Scraping Application**

**Product Specifications**

1. Runs 4 times a day

**Requirements Analysis**

**Functional Requirements**

1. Allow the user to specify criteria of the car they desire; e.g. year, make model, trim, price

2. It should email &/or text the user a link to where you can get the vehicle when the criteria is met within 30 minutes of the search time

3. The previous listing will be stored for the user to view later

4. The user will be able to delete a listing once they are done with it

Lesser features:

1. The user should be able to add notes to the listing

2. The user will be able to specify which sites to scrape from

**Identify non-functional requirements:**

**• What are your expectations for system availability?**

It should always be available

You should always be to see past results

**• What are your expectations for system performance?**

Since this system is running X amount of times a day, new web scraping results do not always need to be available, but you should be able to see past results. It just needs to enough to make data within 30 min from the time it searches

**Theme**

Transition from using traditional online platforms to buy cars (e.g. truecar.com, cars.com) to find the car of your dreams to a web application that will send you a notification when the specific car that meets your criteria is found.

**Epics**

* The application will save you time and automate the process of buying a car online by searching through some of the top and most common car buying sites
* The user will be able to specify the cars they like based on criteria
* The application will also store your past results where they can be viewed at a later time
* The application will run online, but a mobile application will likely be developed in the future for ease of use

**Stories**

Priority: High

1. As a car buyer I want to specify the criteria for the car I want to buy so I can get exactly what I’m looking for.

Acceptance Criteria: Given a drop down menu/radio/checkbox criteria field that is not selected, when I select the criteria I desire, the desired criteria will become selected.

Priority: High

2. As a car buyer I want to receive a notification through email&/or text when the car that meets my criteria is found so I can purchase it as soon as possible.

Acceptance Criteria: Given I have specified the type of car I want, when I submit the desired car, then I will receive a text &/or email that the car I desire has been found.

Priority: Medium

3. As a car buyer I want to be able to see a complete view of all my listings so I can review them on my time and purchase the car when I’m ready.

Acceptance Criteria: Given that I have not logged into the site, when I log into the website and check my listings, then I will see all my listings.

Priority: Low

4. As a car buyer I want to be able to delete listings that I am done with so that I can remove cars that I am no longer interested in.

Acceptance Criteria: Given that I am viewing my listings, when I delete a listing, then that listing will be gone.

Priority: Low

Priority: High

5. As a car buyer I want to be able to login into my account that I so that I can use the application.

Acceptance Criteria: Given that I am not logged in, when I login, then I will be logged into my account.

Priority: Medium

6. As a car buyer, I want to be able to save my favorite cars so that I can easily find them later.

Acceptance Criteria: Given that I am browsing through listings, when I click on the "save" button next to a car, then that car will be added to my list of favorites, which I can access later.

Priority: Low

7. As a car buyer, I want to be able to filter my saved listings by different criteria such as make, model, price range, and location so that I can easily find the listings that meet my specific needs and preferences.

Acceptance Criteria: Given that I am viewing my saved listings, when I apply one or more filters based on make, model, price range, or location, then the listings displayed will only include the ones that meet the specified criteria. If no listings match the filters, a message will be displayed indicating that no results were found. The filter settings should persist across multiple sessions until they are changed or cleared.

Priority: Low

8. As a car buyer, I want to be able to contact the creator of the application for help, so that I can receive assistance with any issues or questions I may have.

Acceptance Criteria: Given that I am experiencing an issue with the application or have a question, when I click on the "Contact Us" button, then I will be directed to a page where I can submit a message to the creator of the application. Upon submission, I will receive a confirmation message that my message has been received and that someone will get back to me as soon as possible.

STANDUPS

3/14/2023

Working on: Requirements gathering

Going to work on: Business Case, User Stories

Blockers: None

3/15/2023

Working on: User Stories, ERD for Database

Going to work on: ERD for Database

Blockers: HTML to Database

3/17/2023

Working on: Creating controller, service, respository and service implementation packages

Going to work on: 1. As a car buyer I want to specify the criteria for the car I want to buy so I can get exactly what I’m looking for.

Blockers: None

3/18/2023

None

3/19/2023