

BRD Changes Proposal

Ride Along

Team Specs

Jesus Cerda (Lead)

Jason Barber

Giovanni Contreras

Rainier Marlone Getuaban

Vi Nguyen

March 27, 2023

Table of Contents

Table of Contents	2
Vehicle Profile - VP-2	3
Current Status of VP-2	3
Proposed Changes	3
Updated User Story	3
VP-2 Updated Vehicle Profile	3
Vehicle Marketplace - VPM-3	5
Current Status of VPM-3	5
Proposed Changes	5
Updated User Story	5
VPM-3 Updated Vehicle Profile	5
VPM-3 View Marketplace	5
Photos Across the Whole Application	7
Current Status of Photos	7
Proposed Changes	8
Updated User Story	8
Vehicle Profile - VP-1	8
Service Log - SL- 1 - 5	8
Scrap Your Car -SYC - 2	8
Scrap Your Car -SYC - 3	8
Inventory Management - IM-1 and IM-2	9
Current Status of IM-1 and IM-2	9
Proposed Changes	9
Updated User Story	9
User Directions UD-1 and UD-2	9
Current Status of UD-1 and UD-2	9
Proposed Changes	9

Vehicle Profile - VP-2

Current Status of VP-2

Currently the title of VP-2 is “Update Vehicle Profile” and the user story states “As an authenticated user, I can choose which information about my vehicle profile is visible to the public, this way I can control what type of information people can view about my vehicle profile.” Originally, this user story was going to be used for a public health ranking system where people can see other people’s vehicles without being in a marketplace. Since we removed the public health ranking system in v0.5 of the BRD, the need to have certain attributes of a car public is unnecessary since the only way a person should see another person’s car is on the marketplace.

Proposed Changes

We propose that instead of removing an entire user story for VP-2, we change the user story to state “As an authenticated user, I can edit the information saved about my vehicle in case anything changes about my vehicle.” Users optionally can input their license plate, color, and/or description of their vehicle and the values will be updated. They can update these attributes because they are attributes of a real vehicle that can change outside the scope of the application. Other information of a vehicle, like VIN, Make, Model, and Year, are not necessary to change due to the nature of VINs being unique identifiers to a specific vehicle and the Make, Model, and Year of a vehicle are also an identifier of a vehicle.

Updated User Story

VP-2 Updated Vehicle Profile

User Story

As an authenticated user, I can edit the information saved about my vehicle in case anything changes about my vehicle.

Background

This is for users to change attributes on their vehicle in our application to reflect the actual attributes on their vehicle in real life.

Effort Points

Effort Points: 34

Complexity: Low

Data Source

N/A

App Permissions

Permission = Vehicle Profile

Scope = Edit

Target Audience

Authenticated user that owns a vehicle

Pre Conditions

1. Must be a registered user
2. Must have log in
3. Must own a vehicle profile
4. Must be on the view of the vehicle
5. Must provide the information that will be updated

User Inputs

Optional User Inputs

- Able to choose specific information to make public
 - Color
 - Description
 - License Plate

Pass Requirements

1. By default, if a user does not provide any information, values will not change
2. The user can cancel updating their vehicle profile
 - The values will not change
 - The user is returned to their vehicle profile view
3. The chosen information is updated to the end-user
 - All values that the end user provided will be changed to the new values
4. Once the user is finished updating information, they must be redirected to the vehicle profile view with the updated values
 - The changes must be done within 3 seconds
5. Once the update is complete a log will be generated
 - Log Level: Info
 - Category: Business
 - Description: [username] updated their vehicle [vin]

Fail Requirements

- Information that was not provided was changed
 - Application should not go offline
 - Log will be generated
 - Log Level: Error
 - Category: DataStore
 - Description: Updated incorrect values
- Information that was provided was not changed
 - Application should not go offline
 - Log will be generated
 - Log Level: Error
 - Category: DataStore
 - Description: Updated incorrect values
- User cancels operation, but attributes are still updated
 - Application should not go offline

- Log will be generated
 - Log Level: Error
 - Category: DataStore
 - Description: Updated values when application should not
- User provides no information, but attributes are updated
 - Application should not go offline
 - Log will be generated
 - Log Level: Error
 - Category: DataStore
 - Description: Updated values when application should not
- Takes more than 10 seconds to publish
 - Application will display a message of server timeout and redirect user to the last functional page
 - Log will be generated
 - Log Level: Error
 - Category: Server
 - Description: Server timeout

Related User Stories

- VP-1 A vehicle must exist to edit the attributes of a vehicle

Vehicle Marketplace - VPM-3

Current Status of VPM-3

Vehicle marketplace at first was supposed to include whether that vehicle is certified or uncertified when users scroll through the marketplace view. Unfortunately, we decided to remove the feature that utilized these properties which was the ranking between owners in BRD v0.5 but failed to update this feature, hence this attribute is no longer available for the marketplace to display.

Proposed Changes

We propose the changes to remove this attribute out of VPM-3 since such attribute is no longer accessible for us to display.

Updated User Story

VPM-3 Updated Vehicle Profile

VPM-3 View Marketplace

User Story

As an authenticated user, I can see all the vehicle profile posts on the marketplace.

Background

Any authenticated users can view the marketplace if they want to browse what vehicles are for sale or rent at the moment.

Effort Points

Complexity: High

Effort Points: 144

Data Source

N/A

App Permissions

Permission = View

Scope = VehicleMarketplace

Target Audience

Any authenticated users

Pre Conditions

1. User must be logged in
2. User must be in the “Vehicle Marketplace” feature view

User Inputs

Required User Inputs

- N/A

Optional User Inputs

- N/A

Pass Requirements

- All vehicle profile posts on the marketplace will be displayed to users from latest to oldest date
 - If there are no posts on the marketplace, the application will display a blank marketplace page with a message about there are currently no posts.
 - If there are more than 10 posts on the marketplace, the application will display 10 at a time and each time the user requests to see more, the application will load 10 more posts at a time.
- All vehicle profile posts will display these information:
 - Vehicle image (if available)
 - Vehicle name
 - The date that the post was uploaded
 - Vehicle’s manufacturer
 - Vehicle’s color
 - Seller’s profile
 - Seller’s location as a 5-mile radius circle at seller’s exact location
- All vehicle profile posts will be displayed in under 3 seconds

Fail Requirements

- Vehicle profile posts are not shown accordingly to order from latest to oldest date
 - Application should not go offline
 - Log will be generated:
 - Log Level: Error
 - Category: View
 - Description: Order of posts are not shown correctly
- Vehicle profile posts does not show enough information
 - Application should not go offline
 - Log will be generated:
 - Log Level: Error
 - Category: View
 - Description: Post does not include enough information
- Vehicle profile posts are shown after 3 seconds
 - Application should not go offline
 - Log will be generated:
 - Log Level: Warning
 - Category: Business
 - Description: Took longer than 3 seconds to post on the marketplace
- Application does not show a message while displaying a blank marketplace when there are 0 posts
 - Application display the public post to the user
 - Log will be generated:
 - Log Level: Error
 - Category: View
 - Description: Message is not shown correctly when there is 0 results
- Applications show more than 10 posts without request to see more from user
 - Application should not go offline
 - Log will be generated:
 - Log Level: Error
 - Category: View
 - Description: Application showed more than 10 results without user's permission

Related User Stories

- VPM-1 Vehicle Profile Post Management

Photos Across the Whole Application

Current Status of Photos

Currently, in the BRD we allow users to upload photos for their vehicles so the user experience is nicer. Eventually, we want to allow users to upload photos to improve their experience, but we do not find core to the features. The value of our application is to help users

keep track of their vehicle during and after ownership, so keeping track of vehicle information such as service logs and maintenance history becomes a priority.

Proposed Changes

Instead of completely removing the ability for users to upload photos forever, we want to push the ability for users to upload photos attached to their vehicles to a phase 2 feature. The user story to upload photos for their vehicles would be available in Vehicle Profile as a new user story and the ability to see their vehicles' photos will be on their Vehicle Profile and on the Vehicle Marketplace.

Updated User Story

Vehicle Profile - VP-1

VP-1 will no longer contain the ability for users to upload photos for their vehicles.

Service Log - SL- 1 - 5

SL - 1 will no longer allow for users to upload or modify pictures with their Service Log.

Scrap Your Car -SYC - 2

SYC-2 will be removed entirely, as it revolves entirely around uploading pictures.

Scrap Your Car -SYC - 3

.SYC-3 will no longer contain the ability for users to upload photos for their vehicle parts

Inventory Management - IM-1 and IM-2

Current Status of IM-1 and IM-2

Currently, IM-1 and IM-2 state that a Vendor can view their inventory of vehicles (IM-1) and can sort them based on certain attributes (IM-2). While this is not the reason for change, the amount of vehicles per view is. Currently, we have it so a vendor will be able to view up to 100 vehicles at a time. While this is technically possible, it may become too cluttered for the vendor with having to scroll far down to see the last few vehicles. Their maximum allowed vehicles of 600 is still a viable limit.

Proposed Changes

We propose that a vendor should be able to view 25 vehicles at a time per view. This change would make the vendor have to scroll less, but increase the number of pages they would have to go through to get to the last few vehicles. Having only 25 vehicles allows for a closer experience to those of regular base users and vendor users. It also allows for vendors to see a sizable amount of vehicles without having to scroll endlessly to reach the bottom of the page.

Updated User Story

The only changes would be within the Pass Requirements

Pass Requirements

- Dashboard must generate all of the Vendor's Vehicle Profiles
 - Maximum Vehicle Profiles is 600 profiles per Vendor user type
 - Maximum of 25 vehicles will be displayed to view
 - Vehicle Profiles will be sorted from first added to last added

User Directions UD-1 and UD-2

Current Status of UD-1 and UD-2

Currently, UD-1 and UD-2 for User directions share an identifier with UD-1 and UD-2 from the usage dashboard user stories. The reason for this change is to provide increased clarity, and ability to differentiate between the two features when referring to them by user story identifier alone

Proposed Changes

We propose that the User Story identifier for User Directions be renamed to UDR, with the two user stories pertaining to it renamed to UDR-1 and UDR-2. This would make them two more differentiable at a glance, and reduce the chances of confusion. Changing the app specific feature also ensures we leave the two letter acronym for the Core Functionality, so that it can stay easily identifiable as well