**Griffin Vasalani:**

9/17/24

* Issue Assigned:
  + Fix the read notification updating when a user opens a message within the inbox
* Issues Found While Updating:
  + None
* Issue Addressed:
  + The read notification now updates when the user opens a message, the notification will disappear when the user returns to the inbox page and also has no other messages. If user receives more than one message, the notification will display the number of messages

9/24/24

* Issue Assigned:
  + Create a Car Club section so that users can create and join car clubs based of car brands
* Issues Found While Updating:
  + When displaying car club section, the attributes are not being pulled from the model, as the model is appearing null
  + Still have to test Joining a car Club after successful display of the clubs
* Issues Addressed:
  + Car Club Section Created
  + Car Club Creation Works

10/1/24

* Issue Assigned:
  + Implement the display correctly for the car clubs via a drop down selection
  + Create a join and leave function for joining and leaving the group
* Issues found while updating:
  + None
* Issues Addressed:
  + Car Club Section displays, and creating and selecting a club to create or view works
  + User can join and leave clubs, and see other members that are a part the club

10/8/24

* Issue Assigned:
  + Create 3 way offer window - completed by Grant Riley
  + Create section for posting within the groups inside the car clubs
  + Create 24 hour offer window for the buyers and the sellers
* Issues found:
  + Posting section needs work, more user friendly
* Issues addressed:
  + User can now create and see posts
  + 3 way offer completed by Grant riley
  + 24 hour time windows were not completed yet

10/15/24

* Issue Assigned:
  + List of users for clubs
  + Options for leaving Clubs, and Groups
  + When Group is created, the creator of the group gets to be the owner
  + Club needs to keep track of who created a group
  + If creator of group leaves, then it should allow other user of the group to become owner
  + Admin has rights over all groups
  + Test with multiple users using war file
* Issues Found:
  + The creator of the club is defined as the owner, and they are stored in the list of users belonging to that club, but the boolean value of isMember is not staying when leaving program
  + Whenever the last user leaves, need to implement a way for the group to be deleted or disbanded
  + Admin rights have still not been established
  + Instructions on war file need updated as they were not correct
* Issues Addressed:
  + There is a list that keeps track of users and what club they belong too
  + There is an option for leaving and joining group
  + When user creates a group, they are defined as owner
  + When owner leaves the group, ownership is transferred, and it also updates in the database
  + Updated the pom.xml file to ignore test files that were not allowing for the generation of a war file

10/22/24

* Issues Assigned:
  + Unassign users to clubs that do not exist and also all users must choose if they are to join a club, as they should not automatically be put into club
  + Should not be members for groups unless the user wants to be a part of the group, all users will have to manually join groups of their choosing, and the program will operate accordingly.
  + Create ownership status for clubs and groups
  + Test on the server to see and fix errors. Also test with multiple users.
* Issues Found:
  + The join and leave function for clubs has been changed but do not work properly as it should.
  + The join and leave functions for the groups are there, but the leave button does not work as it should as when a user goes to leave the leave button does not update.
  + Have yet to run on the server to test with multiple users and fix for errors.
* Issues Addressed:
  + Users are no longer automatically put into clubs and groups, and will have the option to join and leave.
  + All groups will now need to be created, there are no preexisting clubs or membership status
  + The clubs and groups now have and display ownership status
  + The CarClubs has been changed to just clubs to represent the changes to our webpage offering more than just car parts now.

10/29/22

* Issues Assigned:
  + Create Categories for the Clubs
  + Allow searching for groups within the clubs for the User.
  + Fix the Mapping error when trying to redirect from the clubs back to the social page and when in the groups back to the Clubs page.
  + Fix the join/leave function not persisting through the html for the groups
  + Redesign Car Clubs to just be clubs
  + Update the UI for the Clubs
  + Test on server
* Issues Found:
  + None at the current moment with the functions and use of all the applications of the clubs
  + Would like to have club delete if there are no members
  + Update the UI for the groups to better match a social page dynamic
* Issues Addressed:
  + Users status of the group now persist through the webpage and the join and leave buttons work properly
  + Categories now exist with appropriate subgroups for each
  + User is now able to search for groups in the clubs
  + The user is now able to map back to the club page from the groups page
  + The user is now successfully able to map back to the social page in the server
  + The testing on the server was successfully and errors were addressed via the mapping
  + The clubs UI is updated to fit the dynamic of our site better
  + The car clubs are now just clubs to better fit the dynamic of our site offering more items

11/5/24

* Issues Assigned:
  + Show information of the user who created the post within the groups on the post
  + Implement Sub Groups for the Groups for a more specific conversation
  + Within those subgroups, have them function like the groups, with a join and leave option, a list of members, an owner, and the ability to post
  + Fix posting in groups so that there is not a duplicate button
  + Create a way for ownership to transfer for a group if the owner leaves and there are other members
  + If a group has no members, the group will be deleted
  + Update the UI for the groups so that users can put an image for there group
* Issues Found:
  + Have been unable to implement a way for users to add an image when in the site, still working on implementation
  + There is no posting option for the sub groups, implementation is planned
  + Everything else works as it should
* Issues Addressed:
  + The user’s username now shows next to post they have created, and other users can see this
  + The duplicate post button is now gone, and it functions how it should
  + The groups have also been refined so that ownership across the groups transfers if the owner leaves (The next member in the members list will become the owner)
  + If the owner leaves and there are no other members the groups will be deleted
  + Sub Groups for the groups were created
  + Within the sub groups, users are able to join and leave the same as they would be in the groups
  + The ownership of the subgroups is also defined, and if the owner leaves, ownership is transferred
  + If there are no owners to the subgroup, the subgroup will be deleted

11/12/24

* Issues Assigned:
  + Create the ability to search for the subgroups within the groups
  + Create the ability to post in the subgroups page
  + Hide content in the groups for users who are not a member of the group
  + Hide content in the subgroups for users who are not a member of the sub group
* Issues Found:
  + None
* Issues Addressed:
  + Users can now search for subgroups within the groups
  + Users can now create posts in the subgroups page
  + Content such as posts, members list, and other subgroups is now hidden if user is not a member of the group
  + Content such as posts and members list is hidden from user if they are not a member of the subgroup

11/19/24

* Issues Assigned:
  + Create section for comments for the subgroups
  + Fix the interface for groups and subgroups in regards to duplicate buttons and clarity
  + Fix page filling up with posts, incorporate a scroll wheel so only two show at a time
  + Incorporate images into groups and subgroups
* Issues Found:
  + None in regards to comments, and the interface
  + Have not gotten images incorporated yet, currently working on implementing it
* Issues Addressed:
  + Users can now leave comments for the subgroup
  + Now only two posts show on the page at once, and if there are comments then only two show, as the page will not fill up with posts
  + The interface and buttons have been update to better specify the groups and subgroups page

11/26/24

* Issues Assigned:
  + Update the search functions for the groups and subgroups
  + Incorporate images into the groups
  + Update the code so that the user does not have to refresh the page to see another user's post
* Issues Found:
  + I had successfully gotten an image section into the forms of creating a group, and the user was able to insert an image, and that image was stored in the database, but I was unable to display the image in the groups page, so I had taken that out. There is still the backend for the images there, but it does not work as it should.
  + I had attempted to update the code so that when two users were logged in, the one user did not have to refresh his/her page to see the post, but was unable to successfully do it. I had originally had it set up to refresh the page every second, but I encountered the problem of every time I clicked for example create post, the page would refresh every second, taking away that form and not giving me enough time to submit a post.
* Issues Addressed:
  + There is now a button for searching for both the groups and subgroups

**Grant Riley:**

Issue assigned- Grant Riley

Create a new filter that sorts the widgets by Year, Make, and Model.

How I approached-

I first looked at the original filter to see how the filter structure was organized and what database was used to pull the information. The original filter was pulling from the widget database table. I decided to switch to the widget\_ attribute table for easier access of information. I mapped the attribute key to each input box and when the user types in a keyword that matches in the attribute key section it returns that widget. I later updated the text boxes to become dropdowns that dynamically populate with all available options relating to the specific box. Once an option is selected all of the other options are updated. It will also remove all options not relating to the listing. Lastly it will eliminate all listings not relating to the option selected.

Issues that came up-

The variable “model” was returning errors in the controller.

The variables were improperly mapped and returned null information.

The original filter was causing issues with new filter options.

Solutions-

changed the variable name to “model\_car” to avoid errors.

Started from the controller and worked my way through the MVC format to make sure all mappings were correct.

I commented out the original filter and the only filter present is the Year, Make, and Model filter.

Issue assigned- Grant Riley

Only allow the potential buyer to send 3 offers to the seller per listing.

How I approached-

After testing the previous offer system I realized that the buyer was able to send an infinite amount of offers to the seller with no error. I did a search through the program to map how the method was being used. After figuring out how the method was passed and used I edited the method in the controller to only allow the buyer to send 3 offers per listing based on the user id and the listing id.

Issues that came up-

Incorrect mapping for variables.

Solutions-

I carefully mapped everything relating to the offer system so that the functionality of the sending bid section works correctly.

Issue - Grant Riley

Task- Time Window

How I approached-

I was tasked with the assignment to change the current offer sending message to have a time window appear and countdown and expire after 24 hours.

Issues that came up-

The time was not incrementing correctly and the time was also freezing.

Solutions-

I had the syntax incorrect for the program and I did research to find the correct syntax.

**Jayden Williams:**

Issue assigned Create a recommendation system based on the users interests.

How I approached -

I created a new products table and in the table there is a category column Ex. Home.

Inside the userDetails.html I added a user interests form for the user to choose categories they are interested in and on based what they choose it is saved into the user\_interests table and they are sent to a recommendation page. The values for the buttons are match to the products table and if they are not matched the products are not shown.

-Issues Found

Only used sample data and not the products all ready on the page

Everytime a user saves their interests in the user\_interests table it creates a new userId everytime.

I want this on the user profile and the sign up page.

**Grant Riley-**

Issue assigned- make a counter offer system for the seller to respond to the offer sent.

How I approached- I first started with the html side. I added a window with a textbox and the result would appear only when the buyer logged in and selected the listing and had previously bid on the item. Next I implemented it into the back end with the controller and offered a notification repository.

Issues found-

The data was being incorrectly passed.

Conflicting methods.

Returning the wrong final price once the counter was accepted.

Users could send more than one offer at a time.

User could not bid on other methods

Incorrect time windows appearing on the front end.

Incorrect offer attempts returning under the listing.

Grant Riley

Issue assigned-The task was to rework the counter offer system. First I started with the previous counter offer system. I added a counteroffer model to the buyer as well as removed the reject button from both users as instructed.

Solution- I added the proper mappings so now the users are able to send and receive counter offers.

Issues- The offers would not appear correctly and would cause errors. I repaired all of the errors.

Grant Riley

Issue assigned- Notifications appearing on the browse widget page.

The task was to create a notification that appears on the front browse widget page when the user logs in. The notifications also refresh every 30 seconds. When you click the notification it brings you to the specific listing.

Issues- The notifications would appear under both on the users pages, The notifications were not displaying, the notifications would cause the program to be slow.

Solution- After remapping and hours of error handling the issue lied within the browse widget page I was calling the wrong method.

Grant Riley

Issue assigned- remove the popup notification system and create a bell icon that holds all of the notifications and displays all unread notifications in a dropdown menu format.

Issues-

The bell icon would only appear on the browse widget page.

The notifications would not populate after changing the page.

Incorrect syntax was causing errors.

The clicking on the specific notification would bring you to a random page.

The icon became present but was shown in black against the black backdrop.

Incorrect notifications showing for users.

Solution - I created a global controller to pass the correct number of unread notifications relating to the specific user.

Added the bell icon to the navigation bar to reduce error.

Debugging to find errors and improper mapping.

Grant Riley- 11/12/2024

Issue- incorporate a notification system that dynamically updates the notification count.

issue - return the condition of the listing to the original sender of the listing.

Approach I use previously created methods to mark the notification as viewed in the database. Then I used the same methods to make a content filter to return only non viewed notifications and reduce the notification count based on the read amount.

issues - The main issue I faced was the marked as read method was not being called at the appropriate time.

Solution- upon clicking the notification it will bring the user to the market listing page. Upon reaching the page it will mark all related notifications or offers as read and eliminate all notifications relating to that specific listing.

Grant Riley - 11/19/2024

Issue - Implement notification badges on individual listings within the Your Listings page and ensure correct display of listing names in notification dropdown menu. Both systems needed to sync to show active offers and accurate product information.

Approach - used the existing OfferNotification repository and MarketController to fetch listing information. Modified the Your Listings page to check for active offers on each individual listing card, adding notification badges when unread offers exist. Simultaneously updated the notification dropdown to display the listing name using the marketListingId to ensure consistency across both displays.

Issues - The main challenges were:

1) Thymeleaf template processing exceptions when trying to access listing names through nested object properties,2) Maintaining sync between individual listing badges and the global notification count, and 3) Ensuring the correct listing name was displayed in both locations since the data structure differed between the listing page and notification system.

Solution - Implemented a service method in MarketController to fetch listing details using marketListingId. Updated both the Your Listings template and notification dropdown to use this common method, ensuring consistent display of listing names. Added position-relative styling to listing cards to properly display notification badges, and connected the badge display logic to the same system tracking unread notifications, maintaining a single source of truth for notification status.