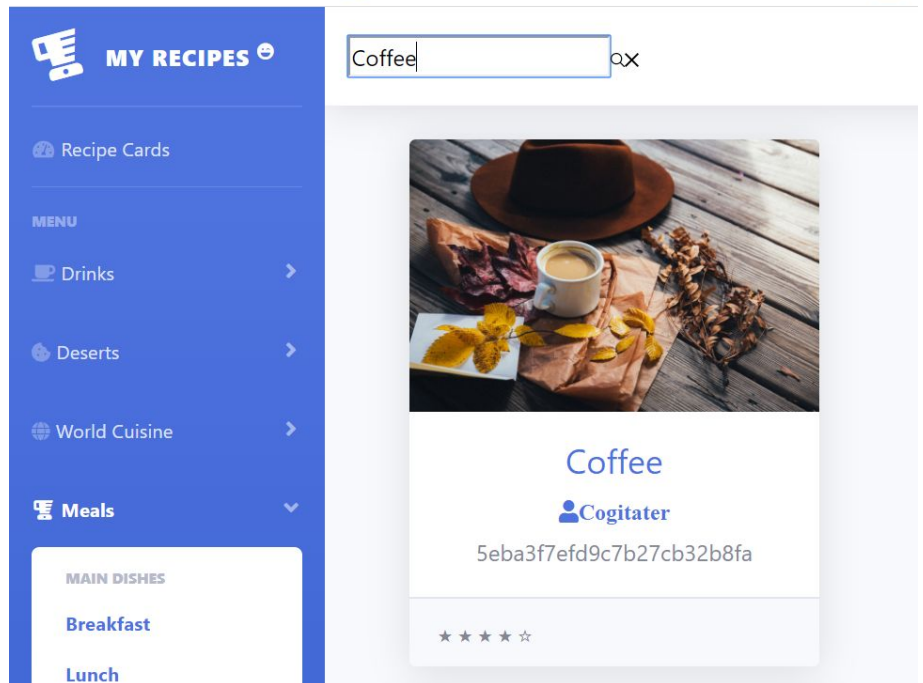


# PROJECT MILESTONE THREE REPORT

## MyRecipes APP



## DEVELOPERS:

**Rediet Negash**  
**Cogitater sigauke**  
**Merry Mekonnen**  
**Pyungkang Hong**

SUBMITTED TO PROFESSOR ALEX  
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# Project Milestone Three

## Individual Progress Updates:

### Merry Mekonnen:

I was scheduled to implement the backend for Comment, Review, Favorites, Likes, and Multiple images/videos saving and retrieval. I managed to finish all of them except the Likes feature. As testing each and one of them took a significant amount of time, I wasn't able to implement the Likes feature. With Postman, the API testing tool I used, everything is working as expected. As of now I believe the backend for these features is 98% implemented. The 2% is for handling exceptions, analysing the logic, and applying some design modifications to the above-mentioned features.

### Rediet Negash:

I was scheduled to work on adding functionalities to buttons on homepage specifically sidebars to allow the user filter the ingredients they want based on different categories, I had to also work on a single recipe page which displays the detailed description of the recipes that are added by the user, apart from that adding designs and frontend implementations for new features and functionalities that are added was one of the tasks that were assigned to me. Following this schedule, I managed to create a single recipe page and correctly display the information about added recipes. Moreover, I managed to do frontend implementation for reviews and comments as well as a chat box. I was also able to integrate them with the backend and make them fully functional. However, I didn't manage to give functionalities to the side bars, part of the reason was because the recipe hits we use come from algolia and we were looking for another way of using the search engine inorder to gain more control on how we display the recipe hits. Prioritizing that made me focus more on fixing the display issue we had rather than worrying about categorization. Given the progress I had so far, I would say I am more than half percent done but I still have more implementations to make for the upcoming milestone release. Inorder to be specific, here are the progresses in detail.

**Home page:-** 90% - only sidebar left

**Rating-** 95%- communicating to the database needs to be implemented

**Images and Videos-** 85% done, I need to upload images and videos from clouds and to cloud storages. But if it was to either encode it from the frontend or send it as a file, I have already implemented that.

**Recipe** - 90% - I need to work on add recipe and display recipe to include specific detailed descriptions

**Comment** - 100%

**Cogitater Sigauke:**

My schedule from this time project milestone was to fully implement the backend messaging feature, notifications, text based search, and also make some frontend tample code some of those features. Due to time constraints and bug fixing I was not able fully implement some of the features as I will fully explain below.

During this milestone, I was able to fully implement the messaging colors. The application's API can now handle both super chats from livestreams and inbox messaging between two users. I was also able to replace Algolia's instant search with Algolia's customizable search. The need for this arose due to difficulties in customizing the React Instant Search. On these two previous features, I was working on both the backend and the frontend. Lastly, I spend most of my time fixing bugs that arose from merging different branches together. This was meant to try and make the code work together and ready for deployment. However, I was not able to fully implement the notifications due to time constraints.

**Pyungkang Hong:**

I was scheduled to implement the profile page by which I keep the logged-in user state as they enter their personal account setting inorder to display personalized information about a specific user. Consequently, I implemented the profile and edit profile pages. I managed to finish the frontend part for Profile and Edit profile. The other task assigned to me was Block User design which I perfectly designed. All the connections between the backend and frontend are implemented except for the Block user feature. Now I can retrieve and add data from all pages. Logical analysis and the application of a partial design amendment to the above features are provided. Blockuser functionality could not be achieved because it took a considerable amount of time to test on each user. Everything works as expected with my API testing tool, Postman. However, there was a server problem. The error was 500 and it was related to data that can't be verified by the server. Due to that, my implementations were not successfully integrated with the entire working system.

## Group Progress Update:

Our group has made significant progress over the third milestone. The backend for many features is implemented, and they seem to communicate well with the front-end even though some problems still persist. At this point, users are able to add recipes, give comments and reviews, see recipe details of recipe cards which are most of the main functionalities our website offers. In addition to that, users can also message each other. However, most of the functionalities we did so far need modifications and improvement. Furthermore, if we compare our progress to what we planned to accomplish by the end of this milestone, we are behind schedule as we weren't able to implement notification which was part of milestone three. Apart from that, we didn't polish the already existing functionality which we also planned to accomplish by the end of this milestone. The reason why we weren't able to do this is because some problems arose while trying to integrate some of the backend features with the frontend and took a good amount of our time. Part of the other reason is also because we overlooked the amount of work that needs to be done for some features that we ended up assigning many tasks for project milestone three in just a one week interval from that of project milestone two. We plan to work on that for milestone four. The other problem we faced on this milestone was version control. As everyone in our team was quite active on github, we frequently had to deal with the merge conflicts. Handling the conflict was also another task which took us a lot of time.

For the next milestone, we hope to fully implement the main features we have specially including the ones that are hard coded in the frontend replacing them with the images and videos that come from cloud services we plan to use. This could either be azure storage cloud or even our database that we can use to store our files, we will decide as we make progress on the implementation after seeing more of the pros and cons the two different ways. Hopefully by the end of milestone four we will finish this task. We will also make sure that we have detailed recipe descriptions with ingredients and steps that could possibly include images for every single step of a recipe description. We need to also finish all those parts and polish the code one by one. The other thing that we will do is testing and reviewing the code as we go on. We have realized that we have duplicate codes which we can put in different components and make the code more elegant. We also have some bugs that need to be fixed as we move forward towards the completion of our project. We hope to finish implementing everything we planned to do in the design document by the end of this semester. If time doesn't allow, we will drop some "nice to have" features like advertisements, following, and followers and the like.

## Updated schedule:

Update the schedule for the rest of the semester.

The updated schedule can be found from the following trello link:

<https://trello.com/b/OUJ2p6AO/schedule>

