

SE3040 – Application Frameworks BSc (Hons) in Information Technology 3rd Year Faculty of Computing SLIIT 2023 – Group Project Technical Report

Group Leader: Kulasekara D.A.M.N

Group Leader's Contact Number: 0717573408

Batch: Y3.S1.WE.SE.01

Description	Student ID	Name
Group Leader	IT21028878	Kulasekara D.A.M. N
Member 2	IT21034404	Nipun P.G. I
Member 3	IT21039140	Dewasurendra S. V
Member 4	IT21071034	Wanniarachchi T. T

Application Topic	Food Wasting Reducing System (Environment and Green Energy)
Group Name	Binary Beasts (CSSE_WE_05)
Git Repository	https://github.com/ImashNipun/Y3S1-AF-Project.git

Project Declaration

We, the members of CSSE_WE_05 hereby declare that our group project is entirely authentic and original. We have conducted thorough research and analysis to ensure that our work is not plagiarized or copied from any other sources.

We have followed all guidelines provided by our LIC and have complied with all ethical and academic standards.

We take full responsibility for the authenticity of our work and understand the implications of academic dishonesty. We have worked collaboratively to produce this project, and each member has contributed to the best of their abilities.

We hereby affirm that our project represents our honest effort and commitment to academic integrity, and we take pride in presenting it as our own.

Group Leader (Signature) Kulasekara D.A.M. N

Definitions

Donor - Vegetables and fruit shops, Grocery shops Supermarkets, any shops, and any individuals where there is food excess.

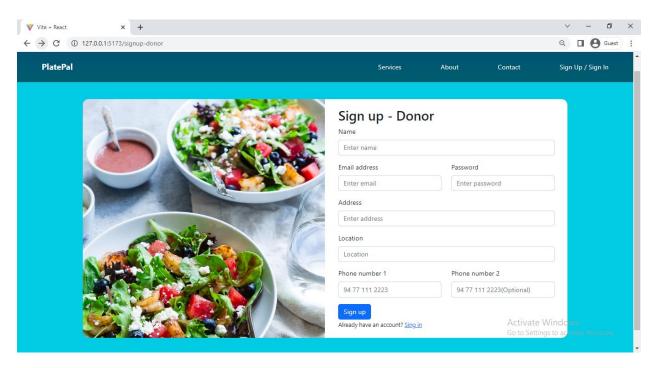
Receiver - Charities, child orphanages, adult orphanages, and any organizations or committees where there is a food shortage.

Admin – The person who manages the system. Donations - Posts published in the system about food excess.

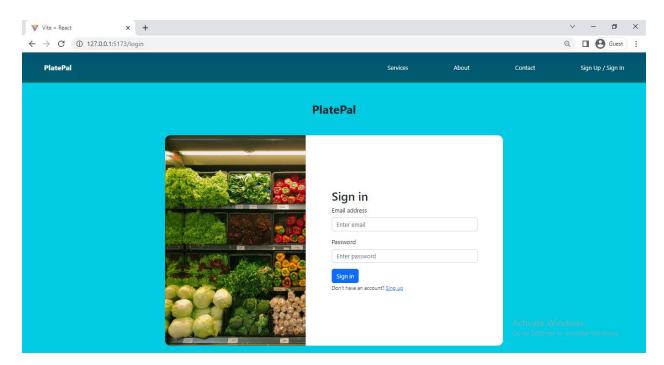
Users – Both donor and Receiver.

Screenshots of the UI (Member wise)

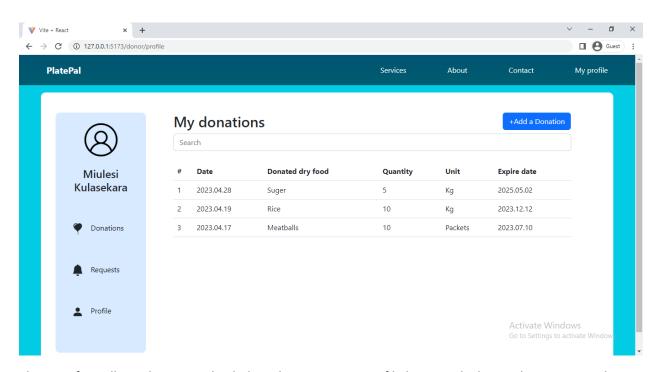
Name: Kulasekara D.A.M.N IT Number: IT21028878



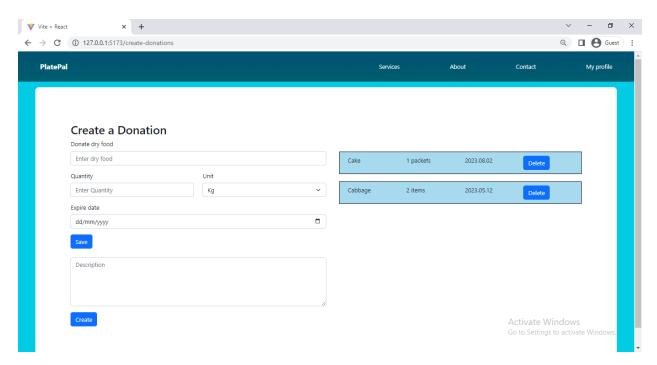
This interface allows the donor to register to the system.



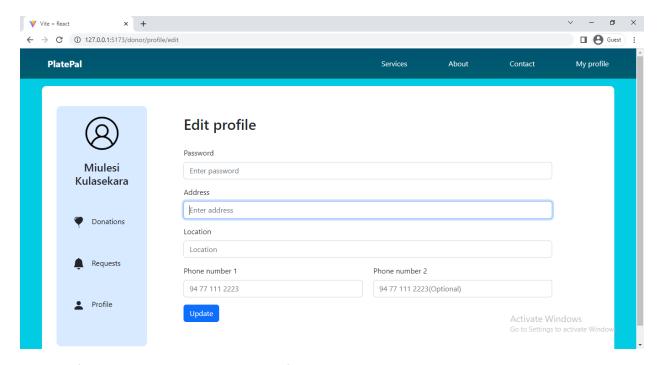
This interface allows all users to login to the system by providing username and password.



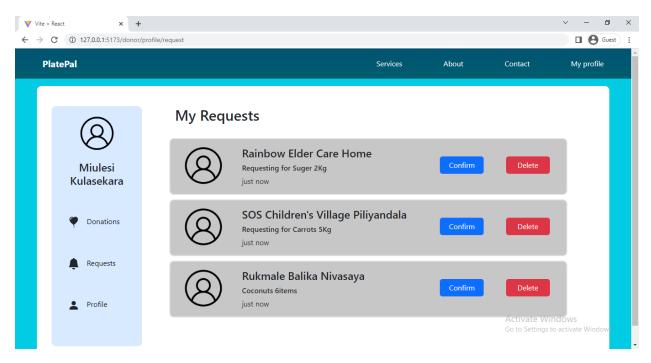
This interface allows donors to check their donations. My profile button which is in the navigation bar and the donation link on the sidebar both navigate to "my donations".



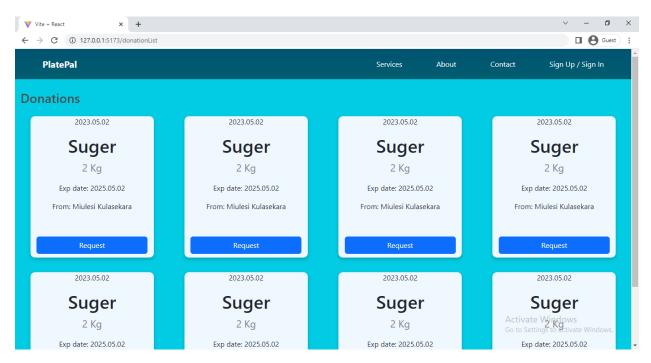
This interface allows donors to add their donations. After navigating to this page donors can add multiple donations at once by clicking on the "Save" button. When finishing adding donations, donors can press the "Create" button. Then donations are saved in the database.



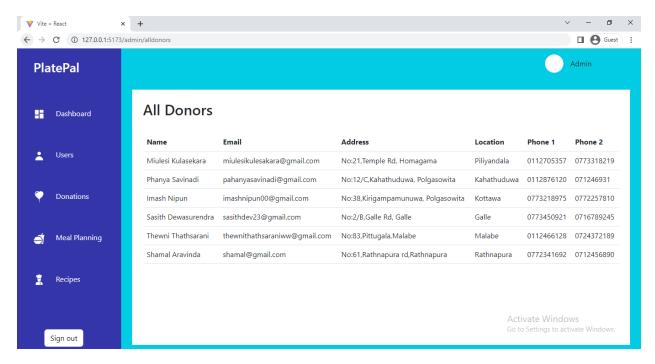
This interface allows donors to edit their profile.



When pressing "Requests" link in the side bar donors can check their requests from receivers. The donor can confirm or delete the requests.



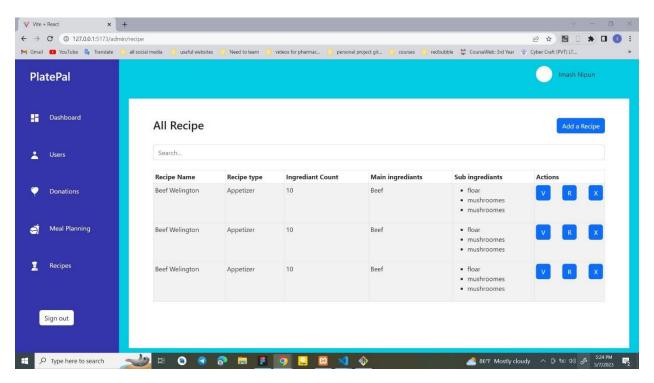
All donations appear here. Receivers can press the "Request" button for requests for donations. Then donors receive a request message.



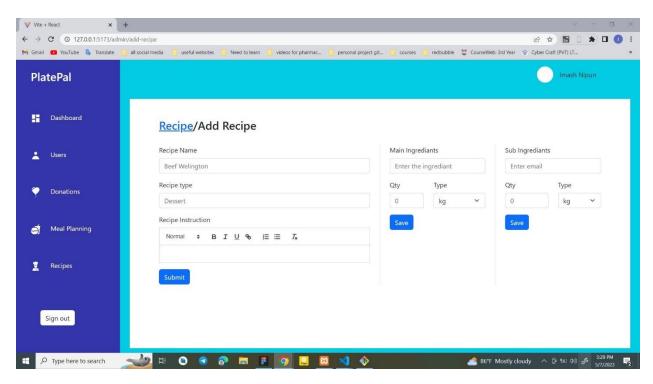
This interface is on the admin side. This interface allows admin to view all donors.

IT Number: IT21034404

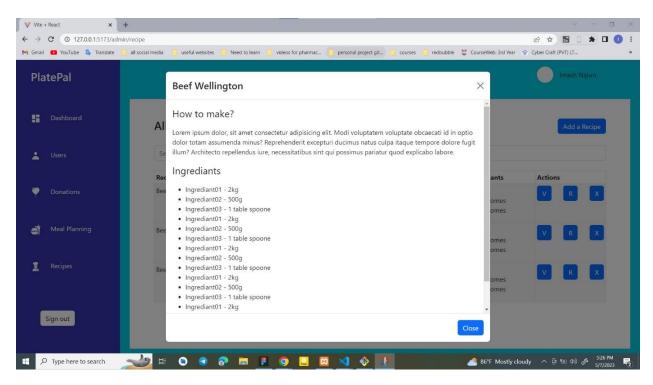
Name: Nipun P.G.I



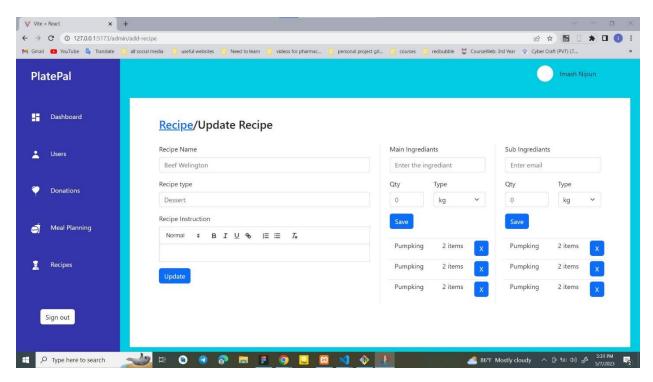
This interface allows admin to view all recipes. When an admin presses the "Recipes" link in the admin dashboard it allows admin to navigate to this interface.



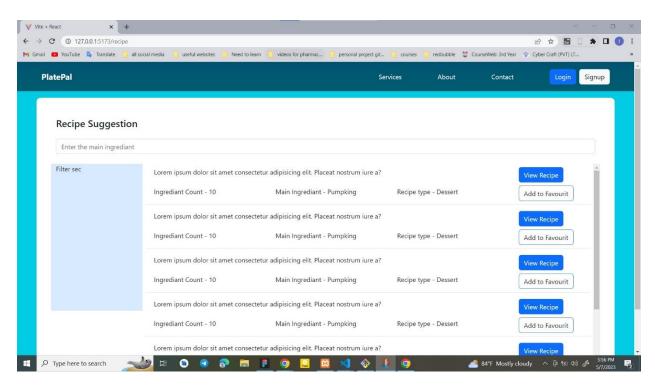
When clicking on the "Add a recipe" button in the previous page an admin can navigate here and add a new recipe.



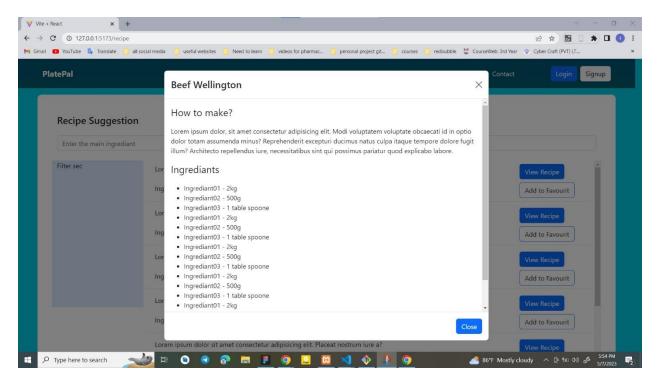
This interface allows admins to view a recipe.



When navigating this interface admin can update existing recipes.

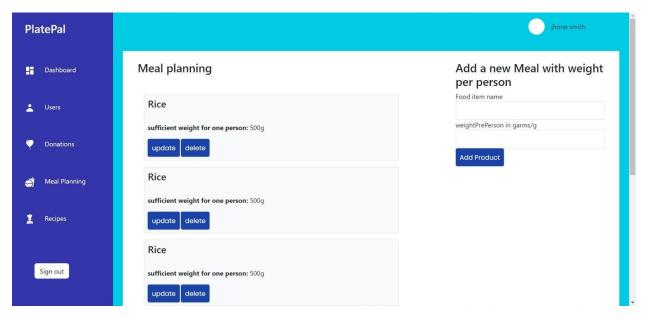


This interface displays a recipe to the users according to the main ingredient. When the user enters the main ingredient user allows to filter recipes according to the main ingredient.

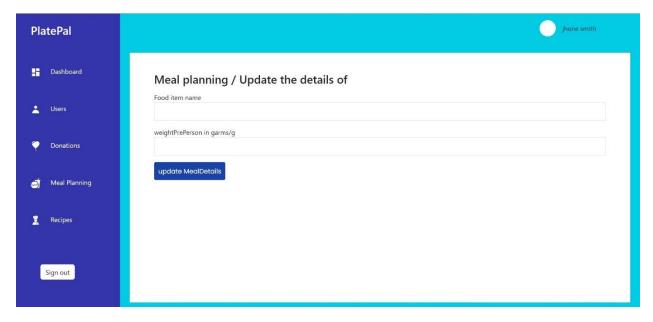


By clicking the "view recipe" button on the previous page this is how users display a single recipe.

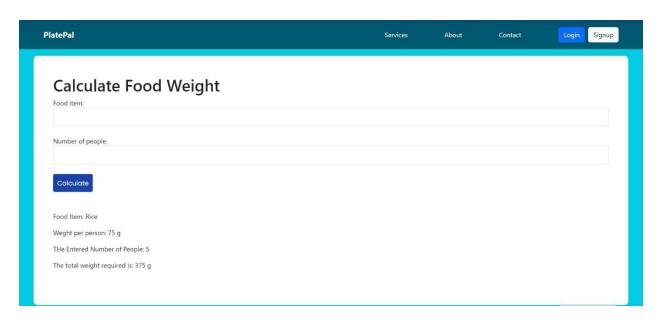
IT Number: IT21039140 Name: Dewasurendra S. V



This interface is the admin side of the Meal planning in this page the admin can add a Food item name and the Weight per person from the right-side form. Records can be updated by clicking the update button and records can be deleted by clicking the delete button.

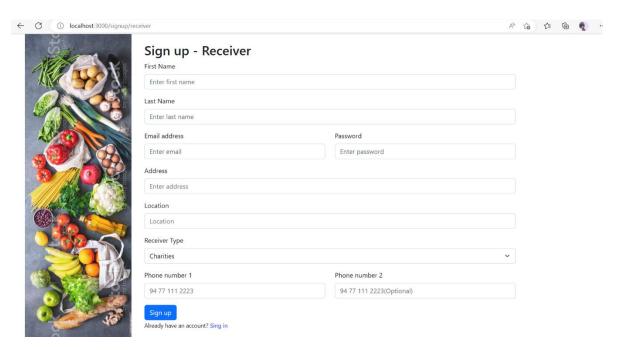


This Screenshot is updating form, as shown in the above form on clicking the update button it will redirect to this page and the admin can change the data if he/her wants.

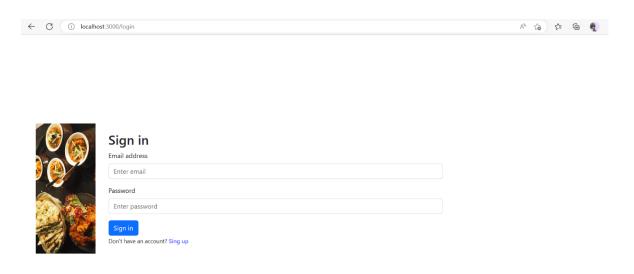


This interface is the user side meal planning interface a user can enter the food item name and the number of people, on Clicking the calculate button the system will show the food item name, Weight per person, the entered number of people, the total weight required for the people.

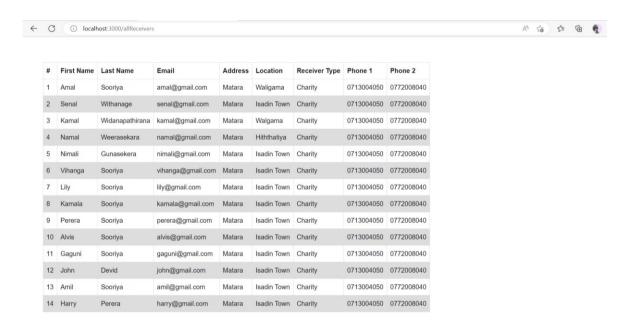
IT Number: IT21071034 Name: Wanniarachchi T.T



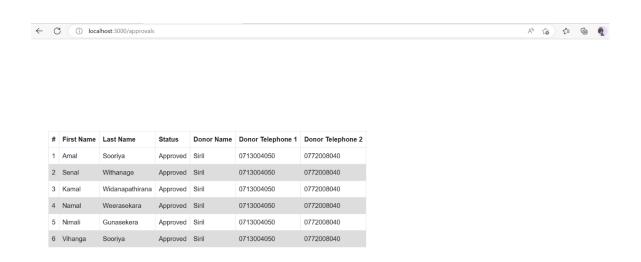
Sign Up for the Receiver – Unregistered receiver should be register to the system by this signup page.



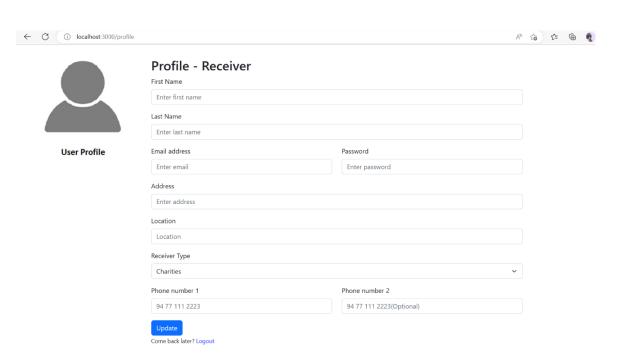
Login for the Receiver – Registered users can log in to the system by giving their credentials through this login page.



All the receivers – Admin can view all the receivers through this table.



All the approval list by donors – Receivers can view their orders through this page.

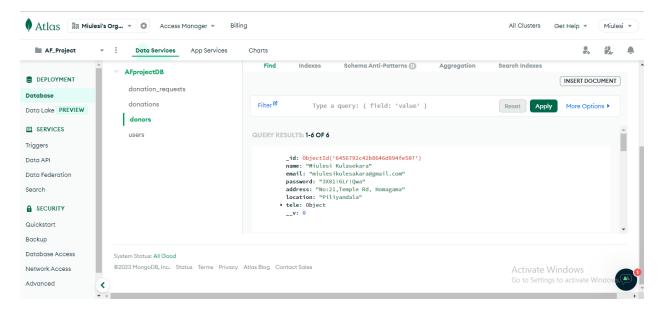


Profile Update – Receiver can update the details through this profile page.

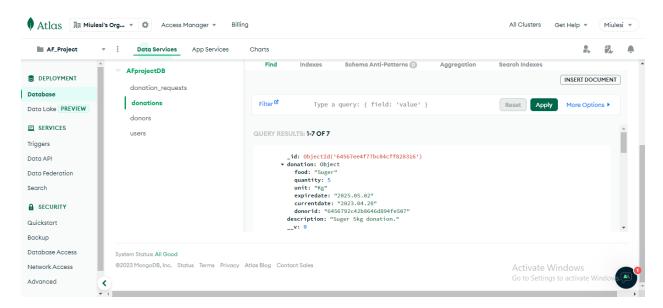
Screenshots of the MongoDB (Member wise)

Name: Kulasekara D.A.M.N IT Number: IT21028878

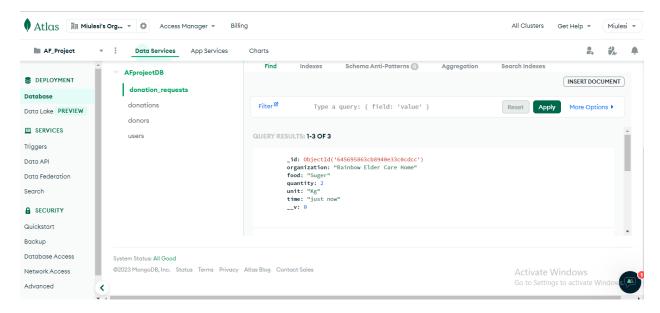
Donors Schema



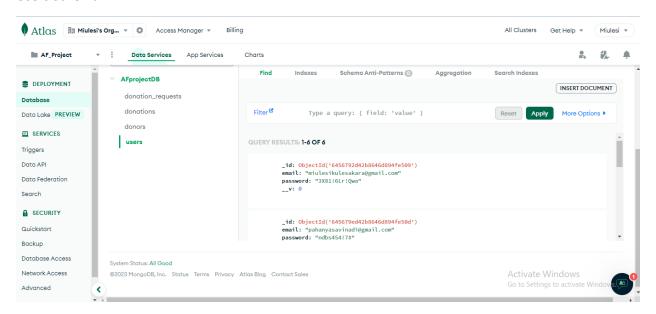
Donations Schema



Donation requests schema



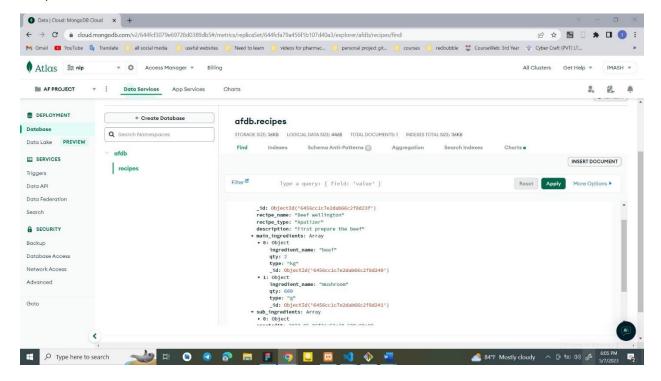
Users Schema



IT Number: IT21034404

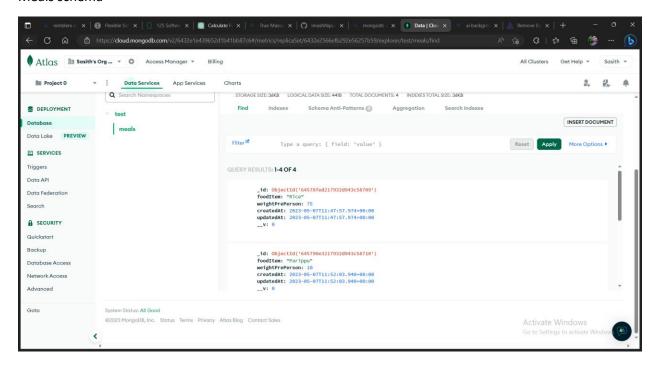
Name: Nipun P.G.I

Recipes schema



IT Number: IT21039140 Name: Dewasurendra S. V

Meals schema



IT Number: IT21071034 Name: Wanniarachchi T.T

Receivers schema

