

# The Recipe Book Application

Aim:- This application is for creating Cooking Recipes, where users can upload new recipes, add friends and view their Recipes.

The application works in this manner

Users can post all of the cooking recipes with details

They can perform various tasks that are:-

- Login
- Search for existing people on the platform and add them as friends
- Can post their recipes
- View all of the recipes posted by the user and his friends

## How to run this application

Run this command within recipesApp for installing packages

```
>npm install
```

Within server two files are provided

1)databaseCreation.py is for creating database within mongodb and adding some values by default for smooth running of application

2)serverForRecipeBook.py is for running the Flask server and watching the output within it

I have used default port number for database connection and flask server

## Technologies used:-

Angular 12, Python 3, Flask, MongoDB, HTML, CSS

## About Database

[ MongoDB ]

Database Name:- recipeBook

There are Two Collections

- 1) Users
- 2) Recipes

## Users Collection

Data = {

1. **user\_id**:"rohit"
2. **password**:"1234"
3. **friend\_list**:Array
  1. **0**:"tom"
  2. **1**:"Holly"
  3. **2**:"harry"
  4. **3**:"anku"
  5. **4**:"Elizabeth"
  6. **5**:"anku"

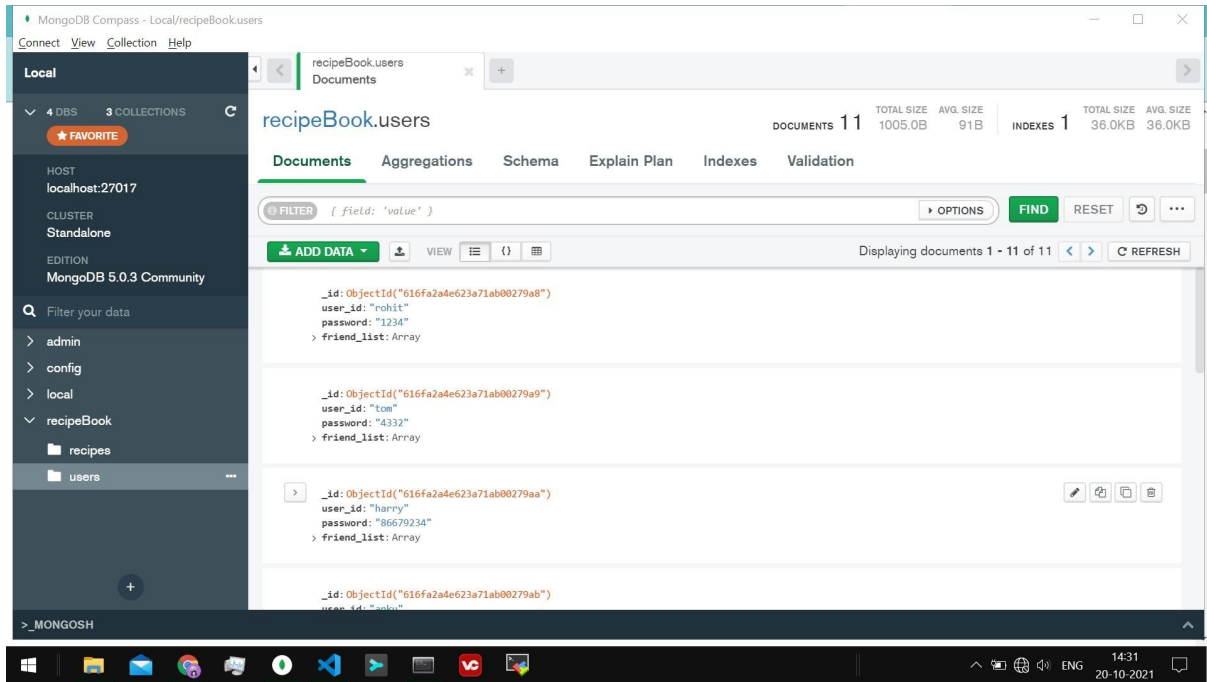
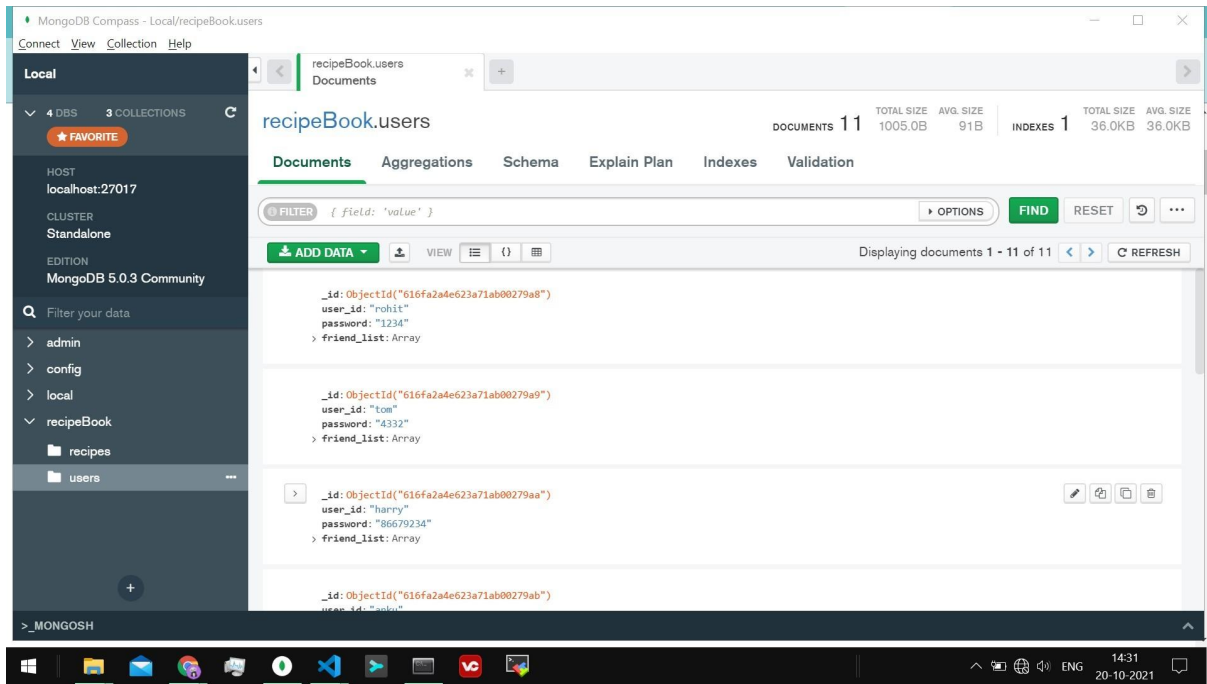
}

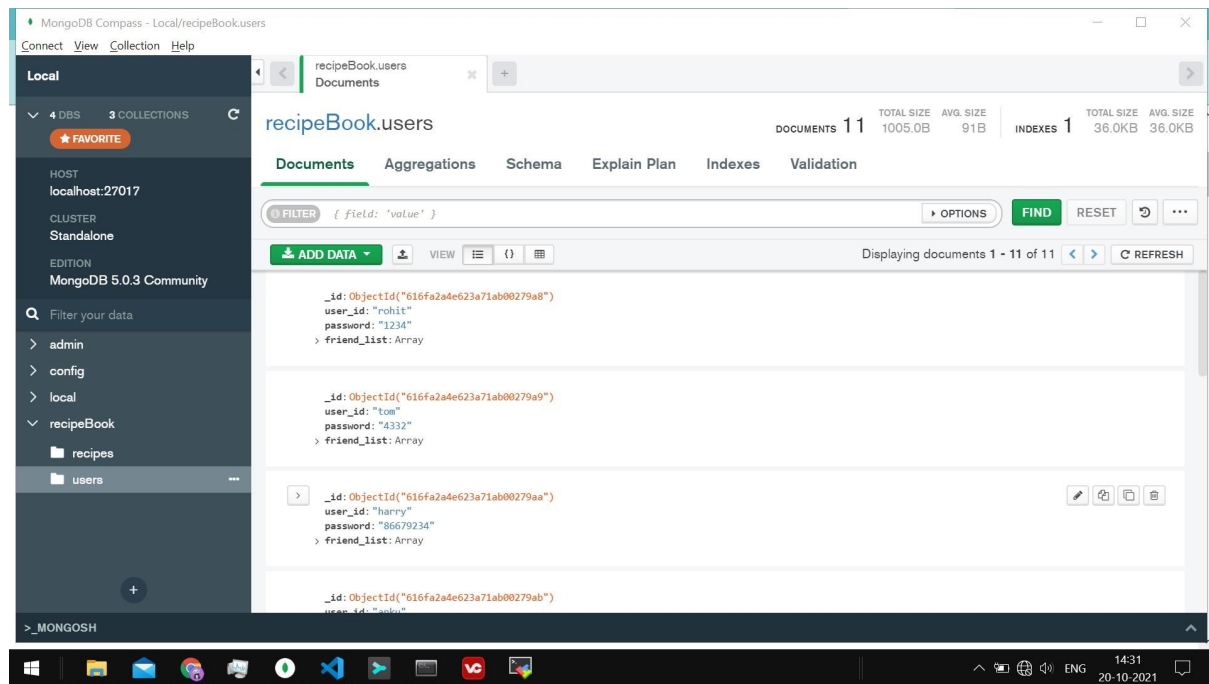
## Recipes

Data = {

1. **user\_id**:"rohit"
2. **recipes**:Array
  - 0**:Object}
  - 1**:Object
  - 2**:Object
  - 3**:Object

}





## About Server [Flask Python]

Folder Name = Server  
File Name = server.py

Library used

- flask
- json
- pymongo
- flask\_cors import CORS;
- flask import request
- re

## Routes

1)Login

`@app.route("/login",methods = ['POST'])`

Which will take json `user_id` and `password`,

Then verify the user if the credintials, return response as per that

2)Get All Recipes

```
@app.route("/getAllRecipes",methods = ['GET'] )
```

It will fetch all recipes from recipes collection of user and his friends,  
It will arrange them in order of date of posted, then return to front end

3)Add new Recipe

```
@app.route("/addRecipe", methods = ['POST'])
```

It will add new Recipe in Recipes Collection as per user\_id

4) search for friends

```
@app.route("/searchFriends")
```

I will take take string and search the user within users collection, return all users which have the string pattern

5) Add New friends

```
@app.route("/addNewFriend",methods = ['POST'])
```

It will allow user to add new friends on the search friends page.

Front -end

[Angular , HTML, CSS , Bootstrap]

## Components

