**CuisineShare – Recipe sharing website**

**Team members:**

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**Detailed Project Description:**

CuisineShare is a recipe sharing website. With this website users will be able to login and add recipes or browse other recipes that other users have uploaded. There will be support for pictures and recipe favorites as well.

We will be developing the project using the MERN stack. The database will be implemented using MongoDB, front end will be implemented primarily using react and react bootstrap, backend will be implemented using node.js.

**Front-End:**

**Back-End:**

Since we’re using the MERN stack, we’ll be using MongoDB for our data storage needs, and NodeJS with Express to interact with it. Two collections in MongoDB have been created: recipes and users. A mongoose schema has been created to work with each of these. The users DB is interacted with via two back-end functions. These are both called via “POST” messages depending on the URL used. (either “/api/auth/login” or “/api/auth/register”) Register adds a new user entry to the database. It uses bcrypt to hash the password. Login uses bcrypt for password verification. Both of these end-points have already been developed.

There are at least 2 more planned end-points: “api/recipesubmit” and “api/myrecipes”. Recipe submit has already been developed, it uses a second schema (Recipes) to submit a new recipe to the second collection in the MongoDB (recipes) The required fields are name, time, description, ingredients and instructions. Ingredients and instructions are both arrays of strings that will be formatted out nicely once retrieved by the front end. Time is a number value that represents the time in minutes, it can also be converted on the front-end to a more legible format.

All endpoints are using JWT for authentication. “register” and “recipesubmit” have been created and tested with postman. The pictures below show successful submissions to the database via postman as well as the entries in Atlas MongoDB webpage corresponding to this.

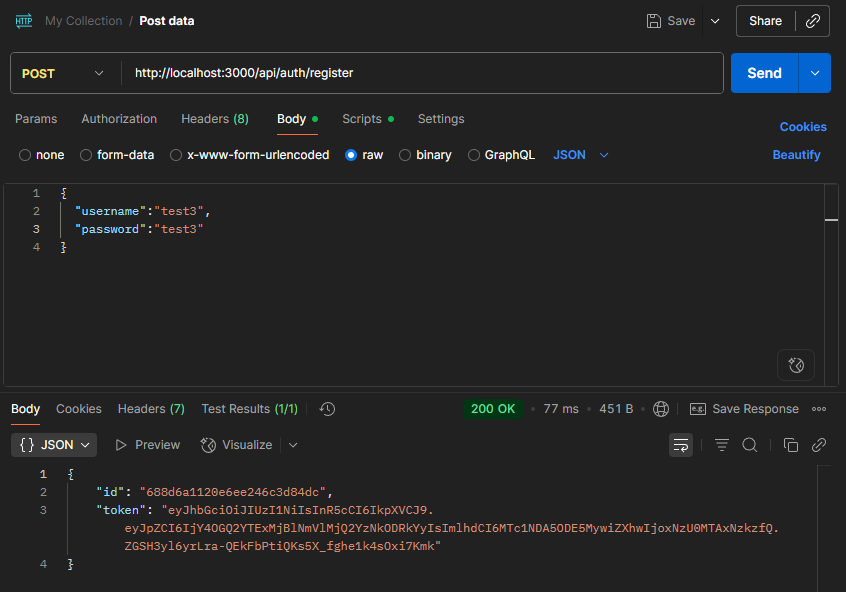


Figure 1 – Successful user registration

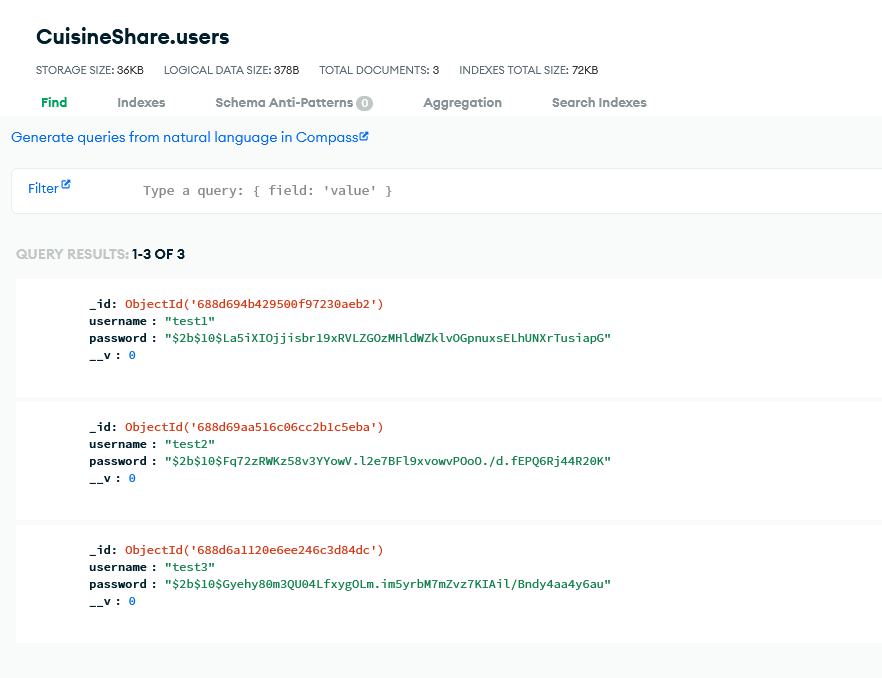


Figure 2 – Users successfully saved to CuisineShare.users on MongoDB

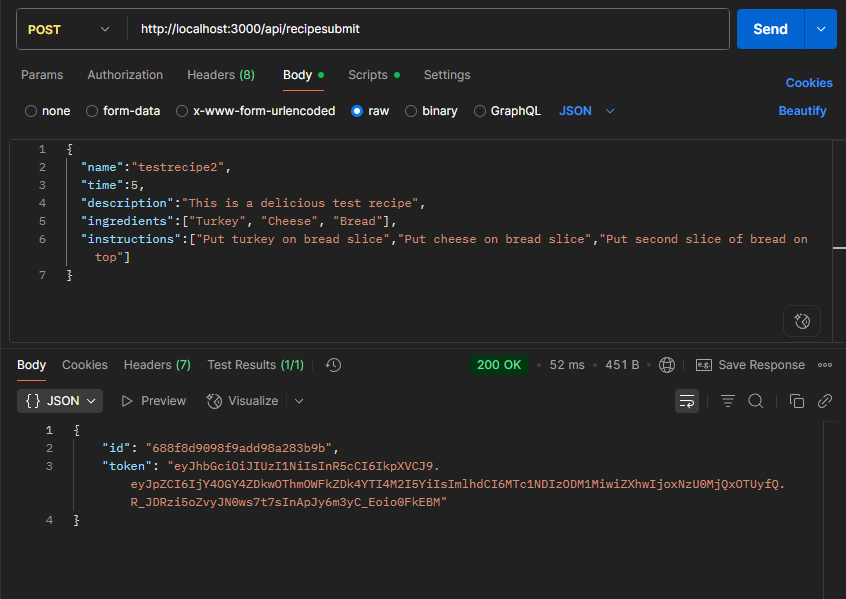


Figure 3 – Recipe submitted to MongoDB successfully

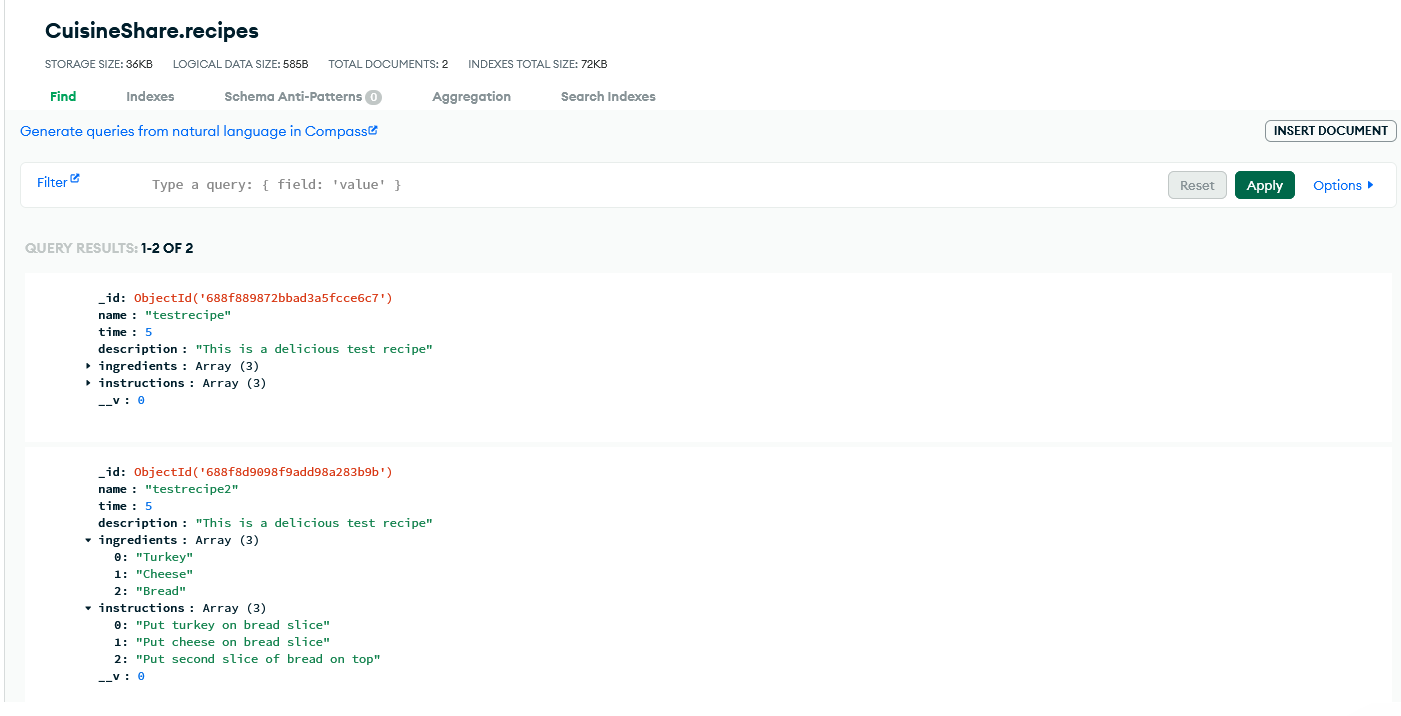


Figure 4 – Test Recipes shown in CuisineShare.recipes in MongoDB