

Intelligent KB tool Task

Farshad Mahmoudifar

1- Instruction:

The app is built by NodeJS and React. For installation first, it is required to run “npm install” for each folder of the server and client folder if the app is downloaded from git in the command line, then run each app by “npm start”. But if it is just running from a zip file that has a “node_modules” folder the apps can be run just by entering the “npm start”.

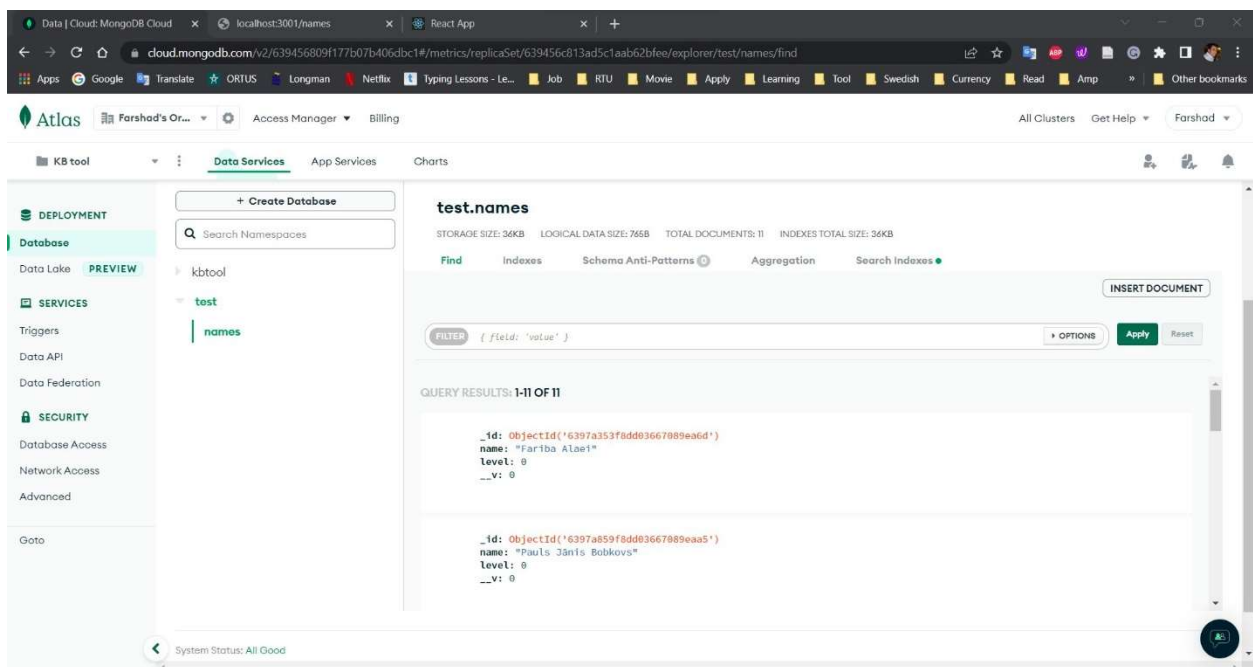
Github:

<https://github.com/fmahmoudifar/KBTool>

2- Application Guideline

The database is created by MongoDB which stores data based on JSON sent by the following link to the database and stores id, name and level.

mongodb+srv://fmahmoudifar:farshad4998@cluster0.zgzb5ab.mongodb.net/?retryWrites=true&w=majority



App server which is written in NodeJS simulates the server in <http://localhost:3001/names> and makes a connection with the MongoDB database as shown below:

```
Cloud: MongoDB Cloud x localhost:3001/names x React App x +
localhost:3001/names
[[{"_id":"6397a353f8d03667089ead","name":"Fariba Alaei","level":0,"_v":0},{"_id":"6397a859f8d03667089ead","name":"Pauls Jānis Bobkovs","level":0,"_v":0},{"_id":"6397a9d9f8d03667089ead","name":"Artūrs Bogdanovs","level":0,"_v":0},{"_id":"6397a9f8d03667089ead","name":"Dmitrijs Bļizņuks","level":0,"_v":0},{"_id":"6397aac6f8d03667089ead","name":"Oksana Pavlenko","level":0,"_v":0},{"_id":"6397aad3f8d03667089ead","name":"Aleksandrs Matvejevs","level":0,"_v":0},{"_id":"6397abcf8d03667089ead","name":"Astra Auziņa-Emšina","level":0,"_v":0},{"_id":"6397abde8d03667089ead","name":"Anželika Bluma","level":1,"_v":0},{"_id":"6397ac2ff8d03667089ead","name":"Modris Dobelis","level":1,"_v":0},{"_id":"639a121c974a1e8241b242bc","name":"Farshad Mahmudifar","level":1},{_id":"639a502a3e4c66c680ff3586","name":"Ahmad Mahmudifar","level":0,"_v":0}]
```

The client app consists of two parts:

A: Adding names with the level of zero as their default priority and showing the names stored in the database based on their priority.

B: searching names by start entering the alphabet that exists in the names and suggesting the names with higher priority at the top of the list. By selecting the name, the app is increasing the level of that name to being prioritized to be suggested at a higher level compared to other names that have a lower level.

