## **Project ON**

## Personal Recipe Book

#### **BACHELOR OF TECHNOLOGY IN**

# COMPUTER SCIENCE AND ENGINEERING

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### **Pantry Pal**

It is a web application designed for users to search through a collection of recipes collected through the web, matching based on their ingredients.

## **Technologies used:**

Frontend: Angular

Backend: Node/ExpressDatabase: MongoDB

### **Features**

#### **Ingredient Search**

Users are able to add ingredients in their house. The results are updated every time the user adds or deletes an ingredient from their list. Recipes are sorted based on the least ingredients they are missing.

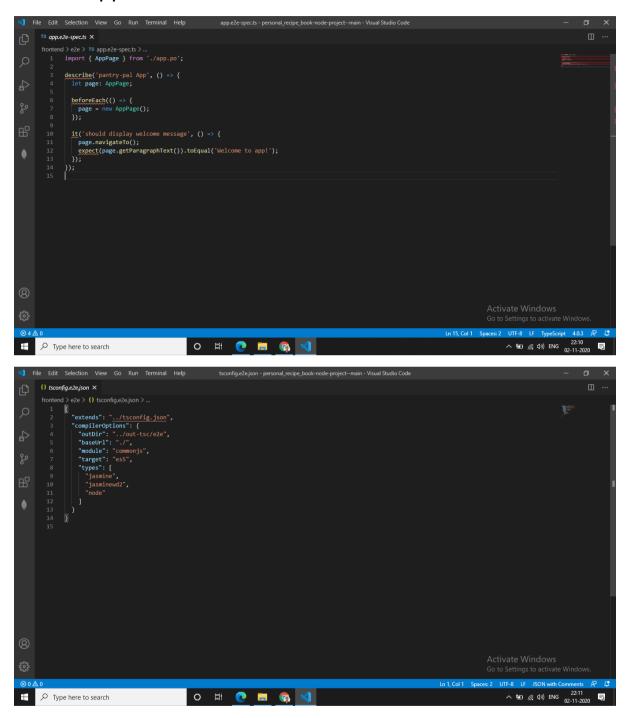
#### **Backend API**

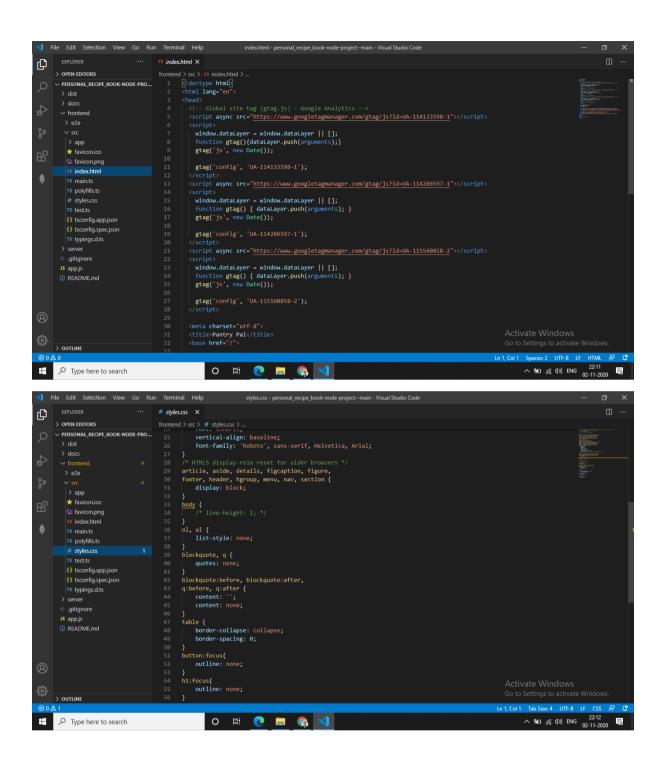
One concern during the creation of our web application was the security of the API key. The JSON Web Token key was already stored securely in the backend as a environment variable.

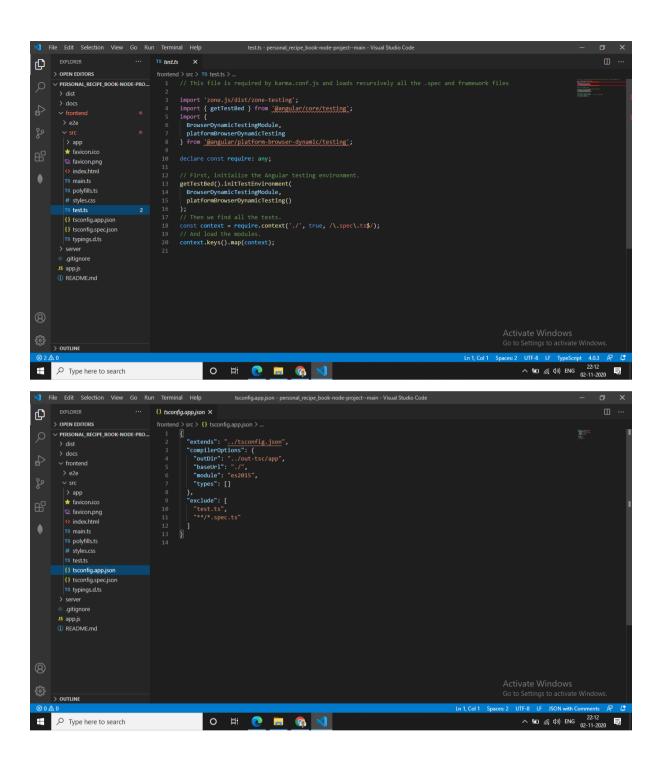
Originally, the Angular frontend handled the external API requests, but risked malicious users grabbing the API key for their own purposes. The application was then refactored to use a backend route which has access to process.env variables to keep the API key safe. Because GET requests do not normally carry bodies, recipe IDs and ingredients were sent through wild card params and queries.

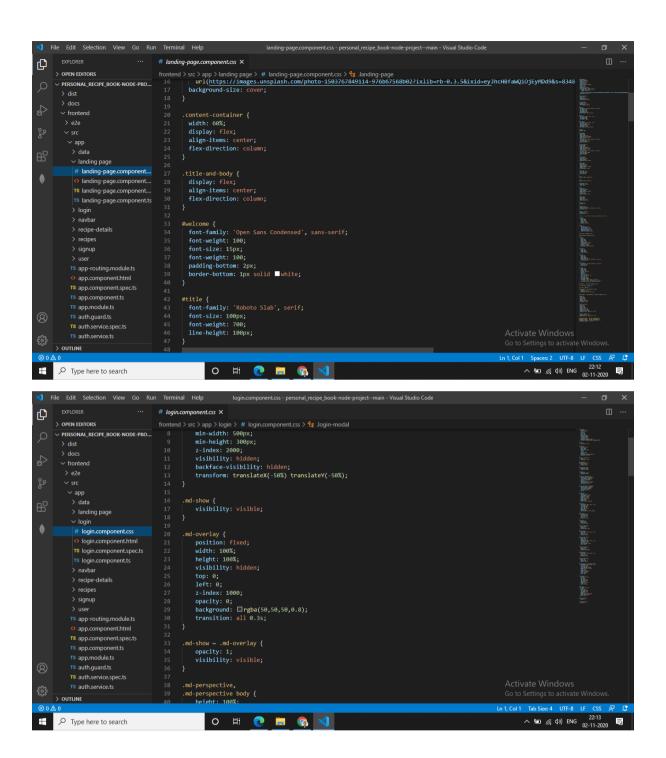
Github Link - https://github.com/aarushi04/personal\_recipe\_book-node-project-

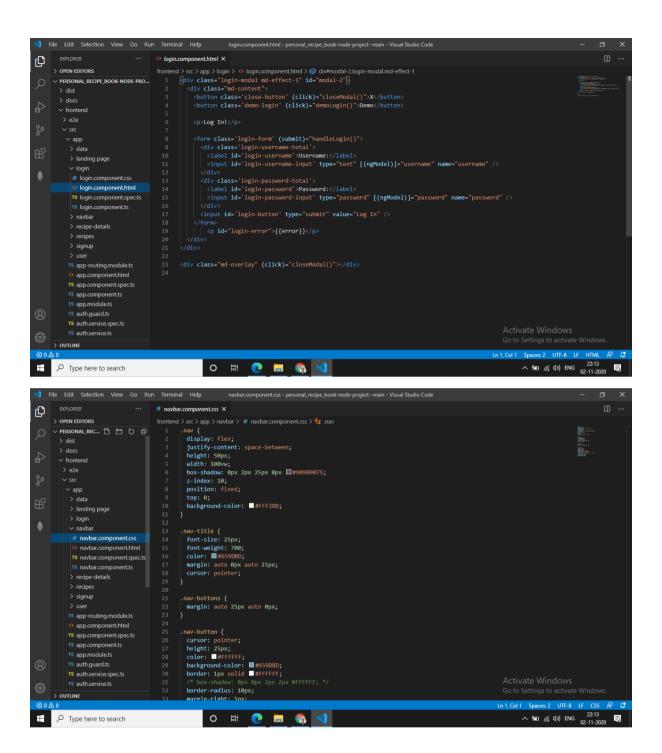
### **Code Snippets**

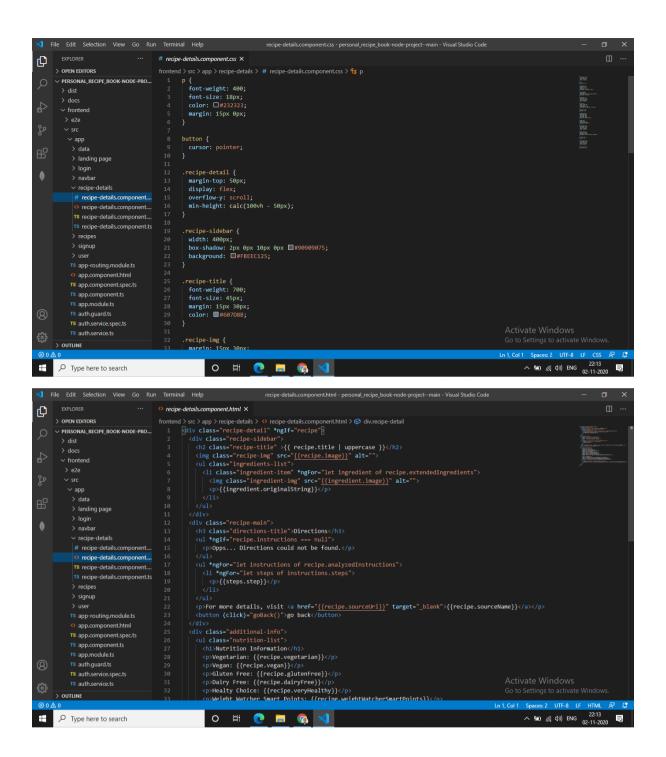


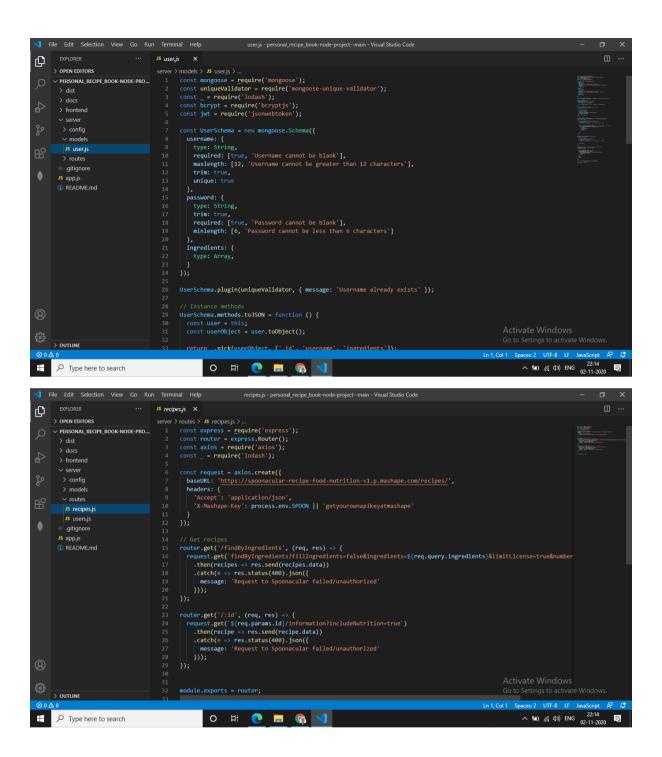


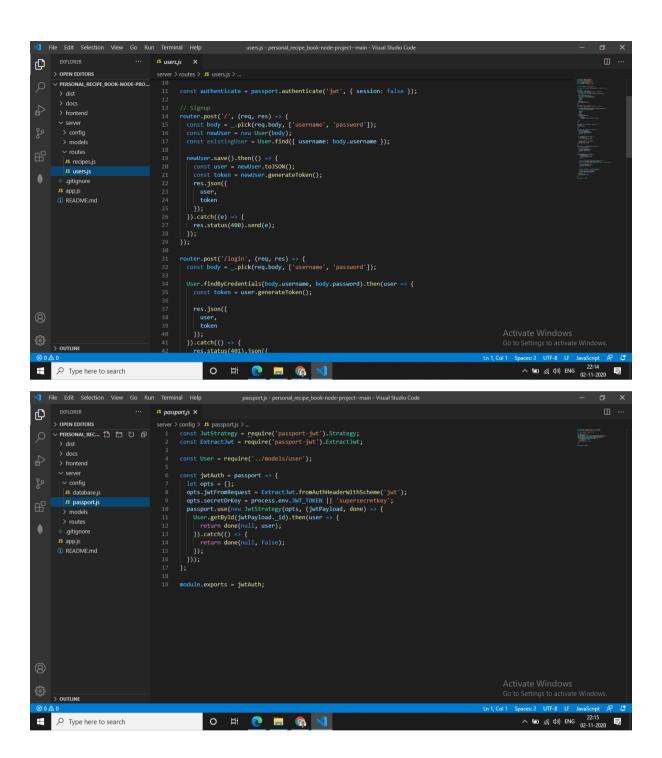












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        > OPEN EDITORS
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> docs
> frontend
                                                                    const users = require('./server/routes/users');
const recipes = require('./server/routes/recipes');
        > server

gitignore

                                                                     const port = process.env.PORT || 3000;
app.use(express.static(path.join(_dirname, 'dist')));
          Js app.js

i) README.md
                                                                    // Middlewares
app.use(bodyParser.json());
app.use(cors());
app.use(passport.initialize());
app.use(passport.session());
                                                                     // Routes
app.get('/', (req, res) => {
    res.send('<hi>>Pantry Pal Under Maintenance</hi>');
});
                                                                      app.use('/api/users', users);
app.use('/api/recipes', recipes);
                                                                     app.get('*', (req, res) => {
  res.sendFile(path.join(_dirname, 'dist/index.html'));
});
                                                                     // Start Server
app.listen(port, () => {
    console.log(`Server at ${port} started.`);
});
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