The productApp Application

Introduction

The Product App is an Information management web application where you can add your own products in the page after logging in. You can add the image, product name, description, price, and rating for your reference later. You will be able to delete a product from the page too.

Some jokes are displayed in the starting of the page which will change every time you refresh the page.

Front End

Front End of the Project is developed using HTML, CSS, and JavaScript. Planning to change the Front End to React later in future, so that it will be a complete MERN full stack project.

It contains a Nav Bar, joke cards and product cards containing product information. You Can Register and Login. Then you will be able to load the existing product add or delete a product from the page.

To add a new product to the page – there is an ‘Add Product’ form where you can give the details and click on ‘Add Product’ button. Then the product card will be displayed below. Information will be stored in the database.

Back End

The Back end of this project is developed using node.js – the runtime environment for java script and the framework express.js. Data base used is mongoDB – NoSQL database. The mongoose library is used to access and manage mongoDB.

Have 2 Schemas

1. userSchema :

username: { type: String, required: true, unique:true},

password: { type: String, required: true }

1. prouctSchema :

productSchema = new mongoose.Schema({

p\_url: { type: String, required: true },

p\_name: { type: String, required: true },

p\_desc: { type: String, required: true },

p\_price: { type: String, required: true },

p\_rating: { type: String },

}

Authentication is done using ‘jsonwebtoken’ (jwt) and bcrypt.js. in the back end. And authenticating in the front end using the token stored in local storage.

Back end alone can be tested using postman or insomnia tool by sending http requests containing JSON data. You can verify the response received is correct also.

Deployment

The deployment will be done in Heroku or any other free hosting platform in future.

Scalability and Security

To be filled.