Shopping List Application

Introduction

The Product App is a web application where you can add your own shopping list of products to buy. You can add the image, product name, description, price, and rating for your reference later. Delete a product will be added in future.

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.

It contains a Nav Bar and cards containing product information. You Can Register and Login.

To add a new product to your list – 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 or added below.

Home Page will have some static/fixed items You can add your items.

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.

Back end alone can be tested using postman or insomnia tool by sending http requests containing JSON data.

Deployment

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

Scalability and Security

To be filled.