

Capstone Project-SHOP FOR HOME

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ABSTRACT

ShopForHome is a popular Store in the market for shopping the home décor stuff .Due to Covid-19 all the offline shopping stopped. So, the store wants to move to the online platforms and wants their own web application.

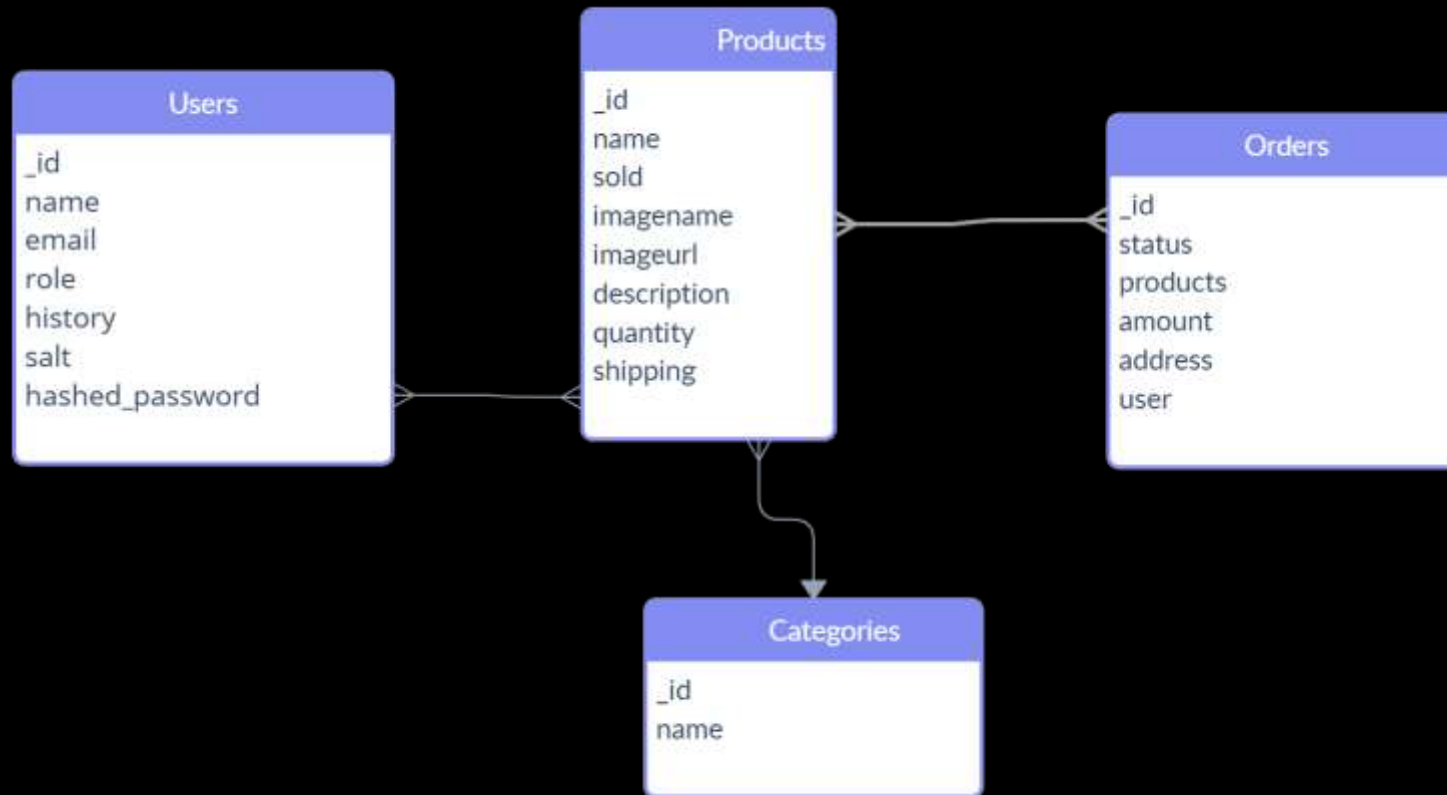
SOFTWARE REQUIREMENTS

❖ Frontend : React Js

❖ DataBase : MongoDB

❖ Backend : Express
Js Node
Js

DATABASESCHEMA



FRONTEND

- Technologies used :React Js

React uses a declarative paradigm that makes it easier to reason about your application and aims to be both efficient and flexible. It designs simple views for each state in your application, and React will efficiently update and render just the right component when your data changes.

BACKEND

- Technologies used : Express Js , Node Js
- **Node.js:** Node.js is an open source and cross-platform runtime environment for executing JavaScript code outside of a browser. You need to remember that NodeJS is not a framework and it's not a programming language. Most of the people are confused and understand it's a framework or a programming language. We often use Node.js for building back-end services like APIs like Web App or Mobile App. It's used in production by large companies such as Paypal, Uber, Netflix, Walmart and so on. **Express.js:** Express is a small framework that sits on top of Node.js's web server functionality to simplify its APIs and add helpful new features. It makes it easier to organize your application's functionality with middle ware and routing. It adds helpful utilities to Node.js's HTTP objects. It facilitates the rendering of dynamic HTTP objects.

DATABASE

- Technologies used : MongoDB
- MongoDB is an open source NoSQL database management program. NoSQL is used as an alternative to traditional relational databases. NoSQL databases are quite useful for working with large sets of distributed data. MongoDB is a tool that can manage document-oriented information, store or retrieve information.

WORKING

Dashboard - Great Learning x (4) WhatsApp x ShopForHome x Downloads x +

localhost:3000/signup

ShopforHome

Sign Up

Sign up

Full Name *
ananth

Email Address *
ananth@gmail.com

Password *
.....

SIGN UP

[Already have an account? Sign in](#)

SHOP FOR HOME 2022

Type here to search

0.4 Kbps
1.5 Kbps

19:32
23-08-2022


SIGN IN

Dashboard - Great Learning | (4) WhatsApp | ShopForHome | Downloads

localhost:3000/signin

ShopforHome

Sign Up



Sign In

Email Address *

ananth@gmail.com

Password *

.....

☐ Remember me

SIGN IN

[Forgot password?](#) [Don't have an account?](#) [Sign Up](#)

Type here to search

3.0 Kbps
5.3 Kbps

°C Haze 19:32
23-08-2022

PRODUCTS

ShopForHome

localhost:3000/shop

ShopforHome

SignUp

Search

search

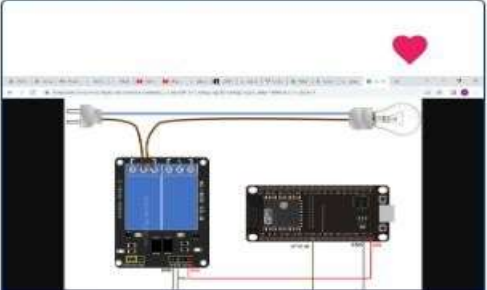
FILTER

☐ chair

☐ bed

☐ chairs

PRODUCTS




bed

bed

₹20

Category: bed

Add to cart




Black Recliner

Black Recliner

₹40000

Category:

Add to cart



Brown Lamp

Brown Lamp

₹30000

Category:

Add to cart

Type here to search

5.2 Kbps

4.8 Kbps

°C

Haze

19:33







23-08-2022

CART

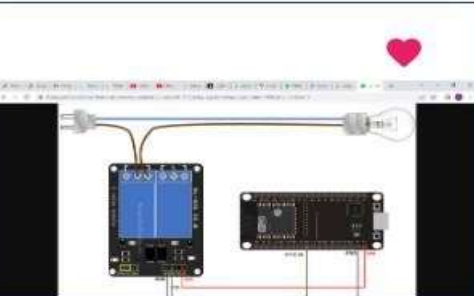
ShopForHome

localhost:3000/cart

ShopforHome




CART HAS 2 ITEMS



bed
bed
₹20
Category: bed

Remove

1



Black Recliner
Black Recliner
₹40000
Category:

Remove

1

YOUR CART SUMMARY:

Apply Your Discount

You have 20% OFF discount

Total: ₹32012.8

Enter delivery address:

PAY

Windows taskbar with search bar and icons for File Explorer, Mail, Chrome, Edge, VS Code, and Word.

Network status: 3.1 Kbps down, 13.1 Kbps up.

Weather: Haze.

Time: 19:34.







Date: 23-08-2022.

WISHLIST



ShopForHome

localhost:3000/wishlist



ShopforHome



YOUR WISHLIST HAS 2 ITEMS




Blue Curtain
Blue Curtain
₹3000
Category:
Add to cart Remove



chair
Chair
₹2000
Category:
Add to cart Remove

Type here to search



5.5 Kbps
3.9 Kbps

°C Haze 19:35
23-08-2022

ADMIN

ShopForHome

localhost:3000/admin/dashboard

ShopforHome

Hello ananth
Welcome to admin portal

- Manage Users
- Manage Products
- Create category
- Create product
- Bulk Upload
- View Orders
- Product Stock

2.7 Kbps
4.4 Kbps

19:35
23-08-2022

ADDING CATEGORY

The screenshot displays the ShopforHome Admin Portal in a web browser. The browser's address bar shows the URL `localhost:3000/create/category`. The portal's header includes the ShopforHome logo and navigation icons for home, cart (with 2 items), and wishlist (with 2 items). A left sidebar lists the Admin Portal menu items: Manage Users, Manage Products, Create category (highlighted), Create product, Bulk Upload, View Orders, and Product Stock. The main content area features a 'Category Name' label above a text input field containing the word 'chair'. Below the input field is a green 'Create' button. The Windows taskbar at the bottom shows the system clock at 19:38 on 23-08-2022, along with network and battery status indicators.

ShopforHome

Admin Portal

- Manage Users
- Manage Products
- Create category
- Create product
- Bulk Upload
- View Orders
- Product Stock

Category Name

chair

Create

ADDING PRODUCT LIST

ShopForHome

localhost:3000/create/product

ShopforHome

Create product

Bulk Upload

View Orders

Product Stock

Discount Section

Sale Report

black chair

Price

600

Shipping

Yes

Quantity

20

Upload Photo

Choose File No file chosen

Create Product

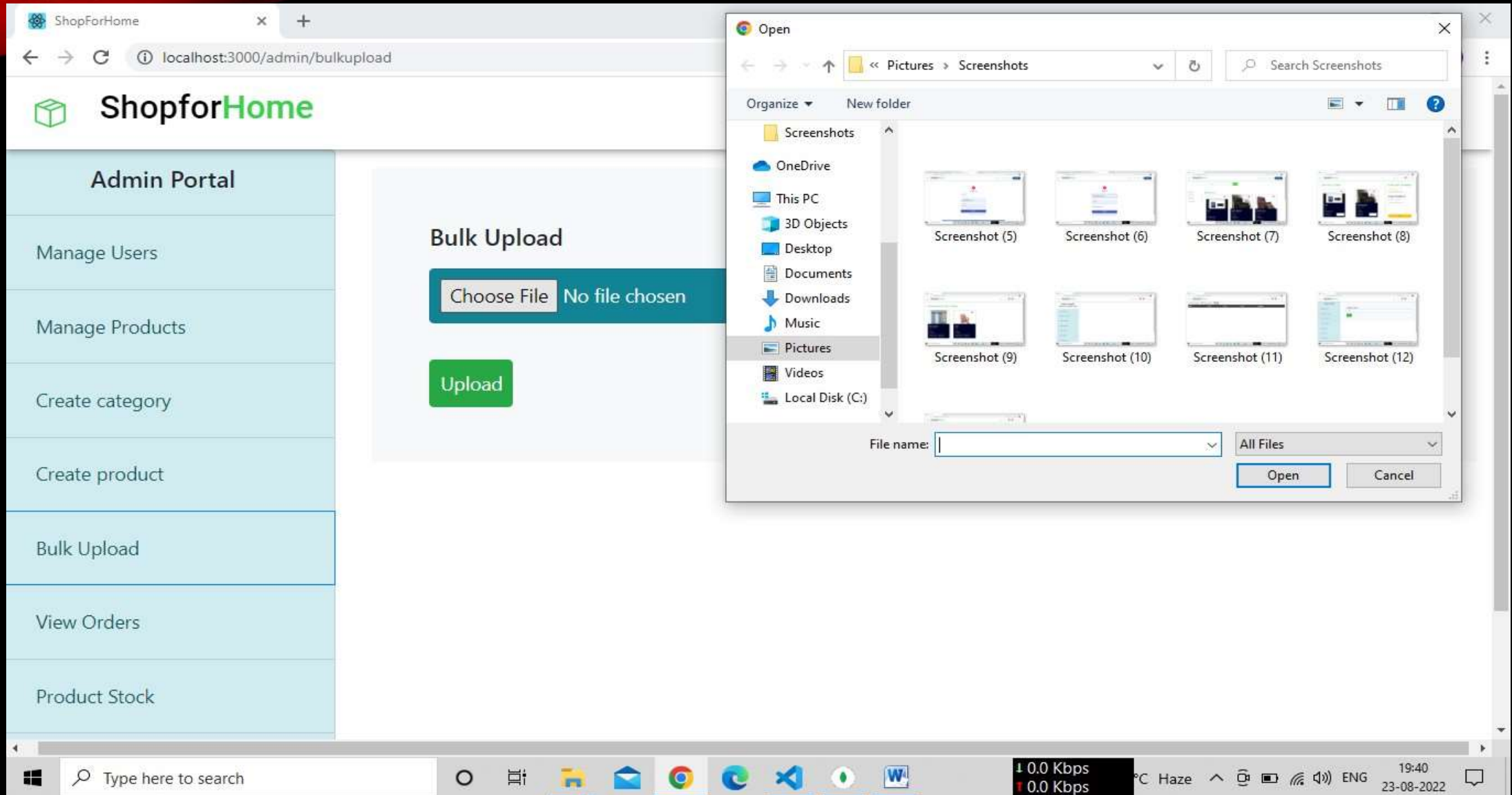
0.0 Kbps

0.0 Kbps

19:39

23-08-2022

BULK UPLOAD



VIEW ORDERS

ShopForHome

localhost:3000/admin/orders

ShopforHome

Home

Shopping Bag

Wishlist

Cart

Grid

Share

Admin Portal

Manage Users

Manage Products

Create category

Create product

Bulk Upload

View Orders

Product Stock

Total orders: 11

Order ID:
63028a33add0ec2bc4cafd61

Transaction ID:

Amount: ₹1996

Ordered on: 2 days ago

Delivery address: jimidipeta

Product name	chair
Product price	499
Product total	4
Product Id	63028996add0ec2bc4cafd60

Type here to search

0.0 Kbps

4.7 Kbps

°C Haze

19:41

23-08-2022

MANAGE PRODUCTS

The screenshot displays the ShopforHome Admin Portal in a web browser. The browser's address bar shows the URL `localhost:3000/admin/products`. The page features a light blue sidebar on the left with the following menu items: Admin Portal, Manage Users, Manage Products (which is currently selected), Create category, Create product, Bulk Upload, View Orders, and Product Stock. The main content area on the right lists six products in a table-like format. Each product row includes the product name and two action icons: a blue circular icon with a white edit symbol and a red trash can icon. The products listed are: Brown Chair, chair, Blue Curtain, bed, chair, and dsvv. At the bottom of the screen, the Windows taskbar is visible, showing the Start button, a search bar with the text 'Type here to search', and several application icons including File Explorer, Mail, Google Chrome, Microsoft Edge, Visual Studio Code, and Word. The system tray on the right side of the taskbar displays network speeds (1 4.9 Kbps, 1.4 Kbps), weather information (Haze), and the date and time (20:21, 23-08-2022).

Product Name	Edit Icon	Delete Icon
Brown Chair		
chair		
Blue Curtain		
bed		
chair		
dsvv		

PRODUCTS STOCK

ShopForHome

localhost:3000/admin/stocks

ShopforHome

Admin Portal

- Manage Users
- Manage Products
- Create category
- Create product
- Bulk Upload
- View Orders
- Product Stock

Products Name	Stocks
bed	30
Brown Chair	200
chair	5
Blue Curtain	60
Brown Lamp	500
Black Recliner	600
chair	20

localhost:3000/admin/stocks

Type here to search

2.4 Kbps
0.0 Kbps

19:41
23-08-2022

SALES REPORT

ShopForHome

localhost:3000/admin/saleReport

ShopforHome

2

2

From: dd-mm-yyyy To: dd-mm-yyyy show

Name	sold	Price	Total	quantity
------	------	-------	-------	----------

Type here to search

0.8 Kbps

2.0 Kbps





°C Haze

19:36

23-08-2022

MANAGE USERS

The screenshot displays the ShopforHome Admin Portal in a web browser. The browser's address bar shows the URL `localhost:3000/admin/manageUser`. The portal's header includes the ShopforHome logo and navigation icons for home, cart (with a 2-item notification), and other functions. A left sidebar lists the Admin Portal menu items: Manage Users, Manage Products, Create category, Create product, Bulk Upload, View Orders, and Product Stock. The main content area shows a table with two user entries:

ananth	 
user1	 

The Windows taskbar at the bottom shows the system clock at 19:43 on 23-08-2022, along with network speed indicators (8.9 Kbps down, 145.0 Kbps up) and various system icons.

DISCOUNT SECTION

ShopForHome

localhost:3000/admin/manageDiscount

ShopforHome

Admin Portal

- Manage Users
- Manage Products
- Create category
- Create product
- Bulk Upload
- View Orders
- Product Stock

ananth

Add Discount Coupon %

3.0 Kbps
7.3 Kbps

°C Haze 19:42
23-08-2022

USER

Visual Studio Code interface showing the file explorer on the left, the editor window in the center, and the status bar at the bottom.

The Explorer sidebar shows the project structure for **SHOPFORHOME**:

- client
- controllers
- helpers
- Microservice
- middleware
- models
 - category.js
 - order.js
 - product.js
 - user.js
- node_modules
- public
- routes
- validator
- .env
- .gitignore
- package-lock.json
- package.json
- README.md
- server.js

The editor window displays the **user.js** file, showing the Mongoose schema definition:

```
const userSchema = new mongoose.Schema({
  name: {
    type: String,
    trim: true,
    required: true,
    maxlength: 32,
  },
  email: {
    type: String,
    trim: true,
    required: true,
    unique: true,
  },
  hashed_password: {
    type: String,
    required: true,
  },
  about: {
    type: String,
    trim: true,
  },
  salt: String,
  role: {
    type: Number,
    default: 0,
  },
  discount_coupon: {
    type: Number,
    default: 0,
  },
  history: {
    type: Array,
    default: [],
  }
});
```

The status bar at the bottom indicates the current file is **user.js**, line 1, column 1, with 2 spaces, in UTF-8 encoding, and CRLF line endings. The Windows taskbar shows the system clock at 19:46 on 23-08-2022.

PRODUCT SCHEMA

The screenshot shows the Visual Studio Code editor with the 'product.js' file open. The Explorer sidebar on the left shows the project structure for 'SHOPFORHOME', with 'product.js' selected under the 'models' directory. The main editor area displays the following Mongoose schema definition:

```
const productSchema = new mongoose.Schema({
  name: {
    type: String,
    trim: true,
    required: true,
    maxlength: 32,
  },
  description: {
    type: String,
    required: true,
    maxlength: 2000,
  },
  price: {
    type: Number,
    trim: true,
    required: true,
    maxlength: 32,
  },
  category: {
    type: ObjectId,
    ref: 'Category',
    required: true,
  },
  quantity: {
    type: Number,
  },
  sold: {
    type: Number,
    default: 0,
  },
  imagename: {
    type: String
  },
})
```

The status bar at the bottom indicates the current file is 'product.js' at line 1, column 1, using UTF-8 encoding with CRLF line endings. The system tray at the very bottom shows network speeds (6.1 Kbps down, 32.0 Kbps up), temperature (33°C), and the date/time (19:46, 23-08-2022).

CONCLUSION

- The Web based Online shopping system is developed with the help of different tools such as React, MongoDB, Node js, Express, and devops and some agile methods.
- The developed system has met the objectives. Moreover, this system has high operational speed, and it is user-friendly.
- Being able to buy anytime anywhere, and widespread effects on economy and ecommerce.
- The system is valuable and usable in the perspective of any user.



**THANK
YOU**