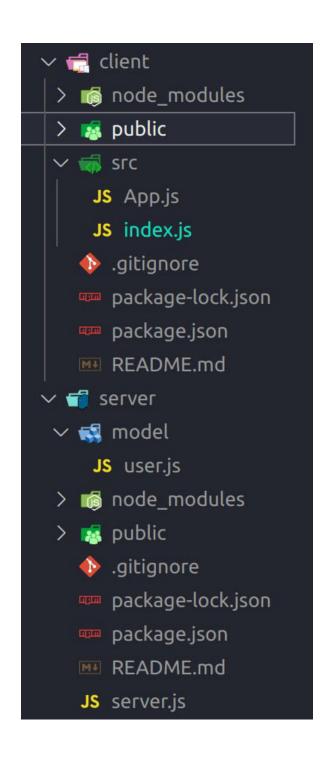
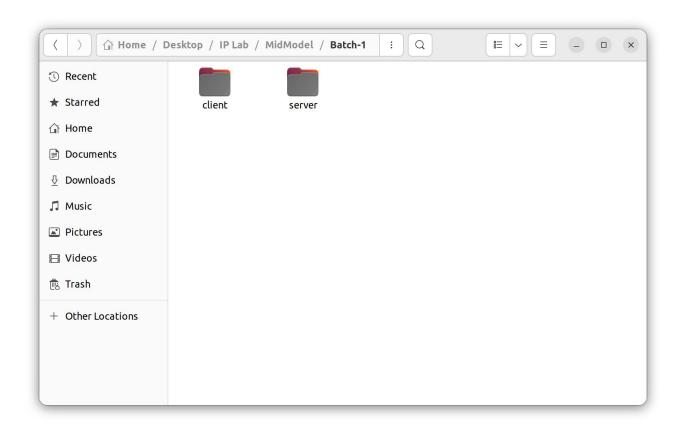
M.Rohith

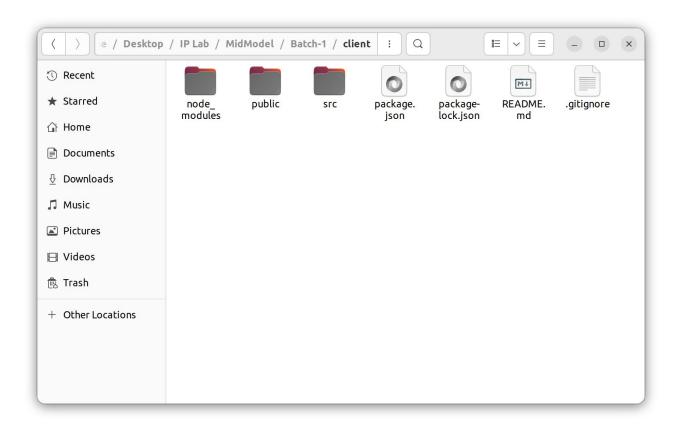
MVC ARCHITECTURE

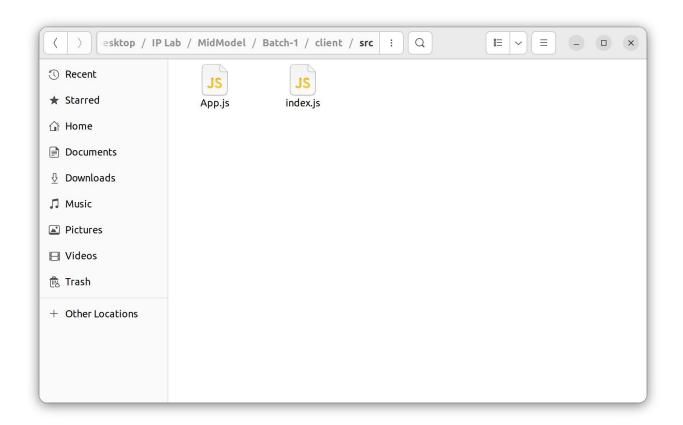
Batch-1

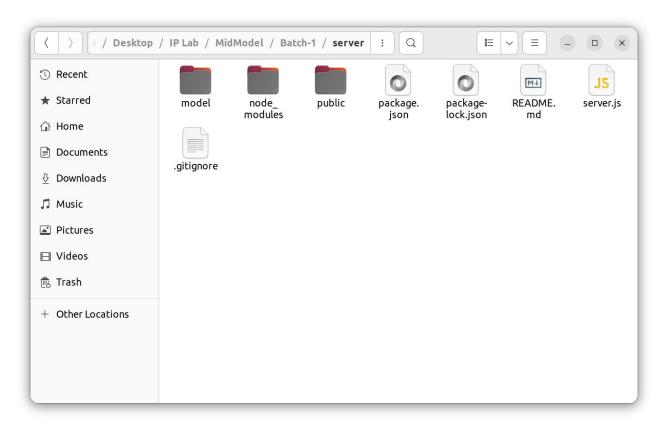
Structure:

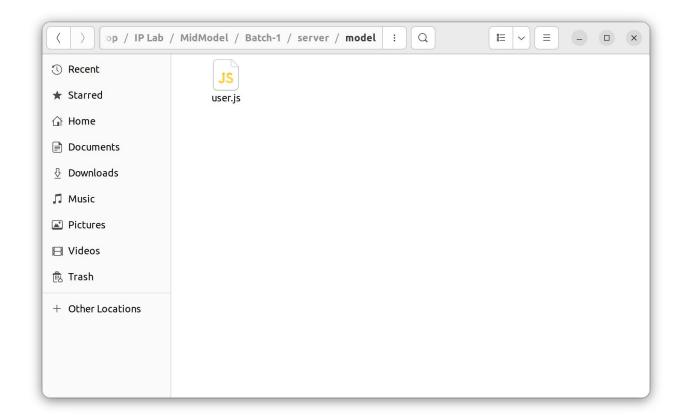












Program code:

<u>user.js</u>

```
const mongoose = require("mongoose");
const UserSchema = new mongoose.Schema({
  username: String,
  userage: Number
});
const UserModel = mongoose.model("users", UserSchema);
module.exports = UserModel;
server.js
const mongoose = require("mongoose");
const cors = require("cors");
const express = require("express");
const UserModel = require("./model/user.js");
const app = express();
app.use(cors());
app.use(express.json());
mongoose.connect("mongodb://localhost:27017/infoBatch1");
```

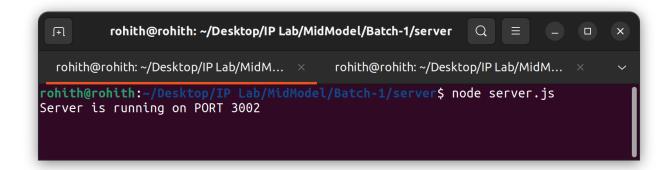
```
app.post("/send", (req, res) => {
  const { username, userage } = req.body;
  console.log(`Searching for ${username} aged ${userage}`);
  UserModel.findOne({ username, userage })
     .then(result => res.json(result))
     .catch(err => console.log(err));
});
app.post("/insert", (req, res) => {
  const { username, userage } = req.body;
  console.log(`Inserting ${username} aged ${userage}`);
  UserModel.create({ username, userage })
     .then(result => res.json(result))
     .catch(err => console.log(err));
});
app.post("/delete", (req, res) => {
  const { username, userage } = req.body;
  console.log(`Deleting ${username} aged ${userage}`);
  UserModel.deleteOne({ username, userage })
     .then(result => res.json(result))
     .catch(err => console.log(err));
});
app.post("/update", (req, res) => {
  const { username, userage, newUsername, newUserage } = req.body;
  console.log(`Updating ${username} aged ${userage} to ${newUsername} aged $
{newUserage}`);
  UserModel.findOneAndUpdate({ username, userage }, { username: newUsername, userage:
newUserage }, { new: true })
     .then(result => res.json(result))
     .catch(err => console.log(err));
});
app.listen(3002, () => {
  console.log("Server is running on PORT 3002");
});
App.js
import { useState } from "react";
import axios from "axios";
export default function App() {
 let [name, setName] = useState("");
 let [age, setAge] = useState("");
 let [newName, setNewName] = useState("");
 let [newAge, setNewAge] = useState("");
 let [display, setDisplay] = useState("");
 function sendData() {
```

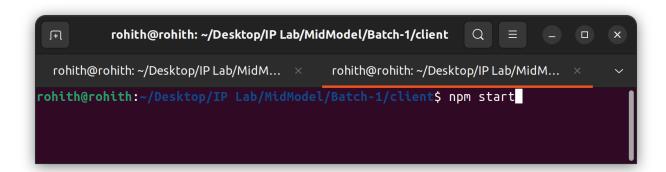
```
console.log("Sending data...");
  axios.post("http://localhost:3002/send", { username: name, userage: age })
   .then(res => setDisplay(res.data ? `${res.data.username} aged ${res.data.userage} is Present` :
"User Not Found"))
   .catch(err => console.log(err));
 }
 function insertData() {
  console.log("Inserting data...");
  axios.post("http://localhost:3002/insert", { username: name, userage: age })
   .then(res => console.log(res))
   .catch(err => console.log(err));
 }
 function deleteData() {
  console.log("Deleting Data...");
  axios.post("http://localhost:3002/delete", { username: name, userage: age })
   .then(res => console.log(res))
   .catch(err => console.log(err));
 }
 function updateData() {
  console.log("Updating Data...");
  axios.post("http://localhost:3002/update", { username: name, userage: age, newUsername:
newName, newUserage: newAge })
   .then(res => console.log(res))
   .catch(err => console.log(err));
 }
 return (
  <div>
   <center>
     <h1>MVC ARCHITECTURE PRACTICE</h1>
     <input type="text" placeholder="Username" onChange={(e) => setName(e.target.value)} />
     <input type="number" placeholder="Age" onChange={(e) => setAge(e.target.value)} />
     <br /><br />
     <button onClick={sendData}>Search</button>
     <br /><br />
     <button onClick={insertData}>Insert</button>
     <br /><br />
     <button onClick={deleteData}>Delete</button>
     <br /><br />
     <input type="text" placeholder="New Username" on Change={(e) =>
setNewName(e.target.value)} />
     <input type="number" placeholder="New Age" onChange={(e) =>
setNewAge(e.target.value)} />
     <button onClick={updateData}>Update</button>
     <br /><br />
    <h2>{display}</h2>
   </center>
  </div>
 );
```

```
}
```

index.js

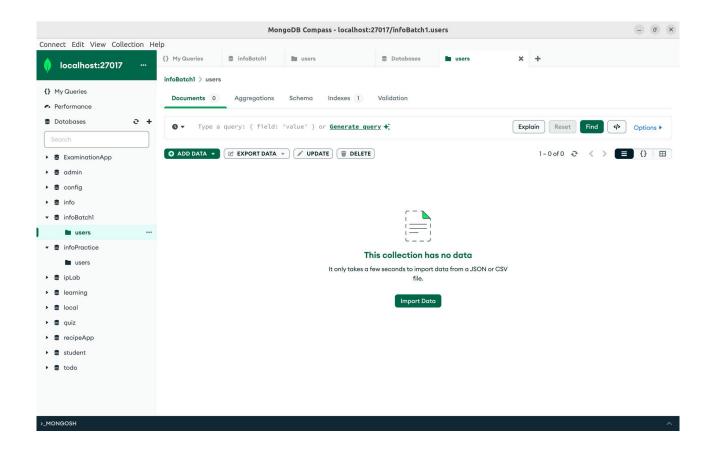
Output:





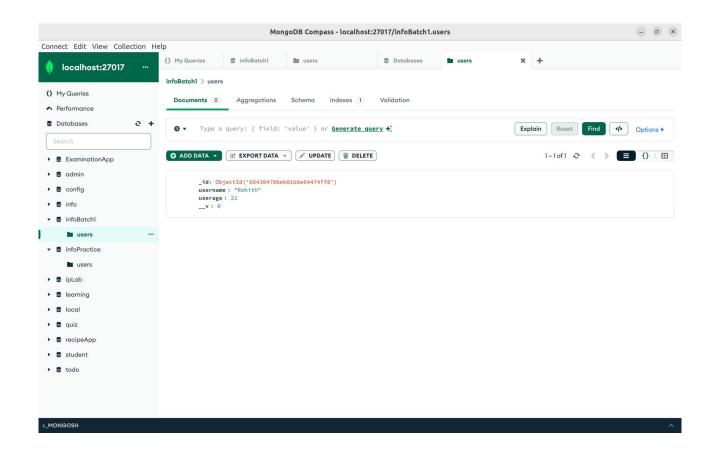










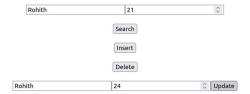


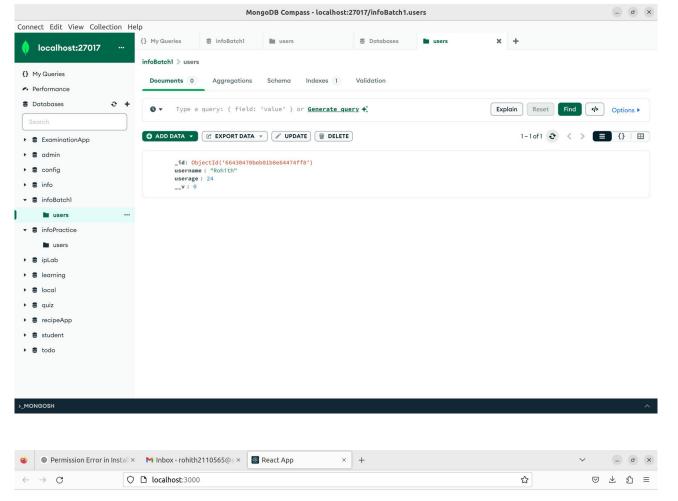




Rohith aged 21 is Present







MVC ARCHITECTURE PRACTICE



Rohith aged 24 is Present





User Not Found





