



SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL307

DATE: 05/11/2023

COURSE NAME: Web Programming Laboratory

CLASS:SY. BTech

DEPARTMENT OF INFORMATION TECHNOLOGY

NAME: Anish Sharma  
ROLL NO: I011  
SAP ID: 60003220045  
BRANCH: Information Technology  
BATCH: 1

EXPERIMENT NO. 10

CO/LO: Develop web applications.

AIM / OBJECTIVE: Program based on inbuilt functions in Node.js.

**BACKEND**

Index.js

```
const express = require('express');
const Users = require('./models/users');
const cors = require('cors');

require('./models/config');
const app = express();
app.use(express.json());
app.use(cors());

app.post("/signup", async (req, res) => {
  let data = new Users(req.body);
  let result = await data.save();
  result = result.toObject();
  delete result.password;
  if (result) {
    if (err) {
      res.send({ result: "Something went wrong, Please tryagain later" })
    }
    res.send({ result, auth: token });
  }
});

app.post("/login", async (req, res) => {
```



SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE: DJS22ITL307****DATE: 05/11/2023****COURSE NAME: Web Programming Laboratory****CLASS:SY. BTech**

```
if (req.body.password && req.body.email) {
  let user = await Users.findOne(req.body).select("-password");
  if (user) {
    if (err) {
      res.send({ result: "Something went wrong, Please tryagain later" })
    }
    res.send({ user, auth: token });
  }
  else {
    res.send({ result: "No User found" })
  }
}
else {
  res.send({ result: "No User found" })
}
});

app.listen(3000);
```

models/config.js

```
const mongoose = require('mongoose');
mongoose.connect("mongodb+srv://gofood:mern123@cluster0.otuonrs.mongodb.net/gofoodmern?retryWrites=true&w=majority");
```

models/Users.js

```
const mongoose = require('mongoose');

const userSchema = new mongoose.Schema({
  name:String,
  email:String,
  password:String
});

module.exports= mongoose.model('users',userSchema);
```



SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL307

DATE: 05/11/2023

COURSE NAME: Web Programming Laboratory

CLASS:SY. BTech

## FRONTEND

\src\App.js

```
import './App.css';
import Nav from './Components/Nav';
import SignUp from './Components/SignUp';
import PrivateComponent from './Components/PrivateComponent';
import { BrowserRouter, Routes, Route } from 'react-router-dom';
import Login from './Components/Login';

function App() {
  return (
    <div className="App">
      <BrowserRouter>
        <Nav/>
        <Routes>
          <Route element={<PrivateComponent />} >
            <Route path="/" element={<Home/>} />

          </Route>
          <Route path="/signup" element= {<SignUp/>} />
          <Route path="/login" element={<Login/>} />
        </Routes>
      </BrowserRouter>
    </div>
  );
}

export default App;
```



SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE: DJS22ITL307****DATE: 05/11/2023****COURSE NAME: Web Programming Laboratory****CLASS:SY. BTech**

src\components\SignUp.js

```
import React,{useState, useEffect} from "react";
import { useNavigate } from "react-router-dom"; //used to redirect after signup

const SignUp = () =>{

  const navigate=useNavigate(); //imp to use with navigate
  useEffect(() => { //very imp to note
    const auth = JSON.parse(localStorage.getItem("user"));
    if (auth) {
      navigate("/");
    }
  }, []);

  const [name, setName]=useState("");
  const [email, setEmail]=useState("");
  const [password, setPassword]=useState("");

  const collectData =async () =>{
    console.warn(name,email,password);
    let result = await fetch("http://localhost:3000/signup",{
      method:'post',
      body:JSON.stringify({name,email,password}),
      headers:{
        'Content-Type':'application/json'
      }
    });
    result= await result.json();
    console.warn(result);
    localStorage.setItem("user",JSON.stringify(result)); //storing data locally in browser
    if(result)
    {
      navigate('/');
    }
  }

  return(
    <div className="registerContainer">
```



SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL307

DATE: 05/11/2023

COURSE NAME: Web Programming Laboratory

CLASS:SY. BTech

```
<div className="register">
  <h1>REGISTER</h1>
  <input
    className="inputBox"
    value={name}
    onChange={(e) => setName(e.target.value)}
    type="text"
    placeholder="Enter name"
  />
  <input
    className="inputBox"
    value={email}
    onChange={(e) => setEmail(e.target.value)}
    type="text"
    placeholder="Enter email"
  />
  <input
    className="inputBox"
    value={password}
    onChange={(e) => setPassword(e.target.value)}
    type="password"
    placeholder="Enter password"
  />
  <button
    className="signupbutton"
    type="button"
    onClick={collectData}
  >
    SignUp
  </button>
</div>
</div>
)
}
export default SignUp;
```



SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE: DJS22ITL307****DATE: 05/11/2023****COURSE NAME: Web Programming Laboratory****CLASS:SY. BTech**

src\components\Login.js

```
import React, { useState, useEffect } from "react";
import { useNavigate } from "react-router-dom";

const Login = () => {
  const navigate = useNavigate();

  useEffect(() => {
    const auth = JSON.parse(localStorage.getItem("user"));
    if (auth) {
      navigate("/");
    }
  }, [navigate]);

  const [email, setEmail] = useState("");
  const [password, setPassword] = useState("");

  const handleLogin = async () => {
    console.warn(email, password);

    try {
      const response = await fetch("http://localhost:3000/login", {
        method: "post",
        body: JSON.stringify({ email, password }),
        headers: {
          "Content-Type": "application/json",
        },
      });

      if (!response.ok) {
        throw new Error("Login failed"); // Handle non-200 status codes
      }

      const result = await response.json();
      console.warn(result);

      if (result.name) {
        localStorage.setItem("user", JSON.stringify(result));
      }
    }
  };
};
```



SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE: DJS22ITL307****DATE: 05/11/2023****COURSE NAME: Web Programming Laboratory****CLASS:SY. BTech**

```
        navigate("/");
    } else {
        alert("Enter correct password/username");
    }
} catch (error) {
    console.error("Error during login:", error.message);
    alert("Login failed. Please try again later.");
}
};

return (
    <>
    <h1>LOGIN</h1>
    <div className="login">
        <input
            className="inputBox"
            type="text"
            value={email}
            onChange={(e) => setEmail(e.target.value)}
            placeholder="Enter Email"
        />
        <input
            className="inputBox"
            type="password" // Change the input type to 'password'
            value={password}
            onChange={(e) => setPassword(e.target.value)}
            placeholder="Enter Password"
        />
    </div>
    <button className="loginbutton" type="button" onClick={handleLogin}>
        LOGIN
    </button>
    </>
);
};

export default Login;
```





SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE: DJS22ITL307****DATE: 05/11/2023****COURSE NAME: Web Programming Laboratory****CLASS:SY. BTech**

localhost:3000/createuser



GoFood Home

Login

Signup

Name

hello

Email address

hello@gmail.com

Address

mumbai

Password

\*\*\*\*\*

Submit

Already a user





SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
DEPARTMENT OF INFORMATION TECHNOLOGY



**COURSE CODE: DJS22ITL307**

**DATE: 05/11/2023**

**COURSE NAME: Web Programming Laboratory**

**CLASS:SY. BTech**

← → ↻ localhost:3000/login

GoFood Home Login Signup

Email address

hello@gmail.com

We'll never share your email with anyone.

Password

\*\*\*\*\*

Submit New User



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE: DJS22ITL307****DATE: 05/11/2023****COURSE NAME: Web Programming Laboratory****CLASS:SY. BTech**

The screenshot shows the Atlas Data Services interface for the 'gofood' project. The left sidebar contains navigation options: Overview, DEPLOYMENT, Database (selected), SERVICES, and SECURITY. The 'Database' section is expanded, showing a list of collections: food\_items, foodcategories, orders, sample, and users. The 'users' collection is selected, and its details are shown in the main panel. The details include storage size (36KB), logical data size (691B), total documents (4), and indexes total size (36KB). A 'Find' button is visible, and a query is entered: `{ field: 'value' }`. The results show two documents:

```

{
  "_id": ObjectId("656774d17c8c4965645eb2ab"),
  "name": "hello",
  "location": "Delhi",
  "email": "hello@gmail.com",
  "password": "$2a$10$FUCX9gBaB0dwFgapBMtonecPRe20j18rLCg3QUdCj/CMz15X2cjvK",
  "date": 2023-11-29T17:28:49.142+00:00,
  "__v": 0
}

```

```

{
  "_id": ObjectId("656a1bfd9f0bf7da7755f001"),
  "name": "Laxmi",
  "location": "Maharashtra",
  "email": "gaz@gmail.com",
  "password": "$2a$10$SHbCIXP3HH.yIDddWCamcut78smFpOyjfZbtIak0k.OzonqDzBozS",
  "date": 2023-12-01T17:46:37.439+00:00,
  "__v": 0
}

```

**BOOKS AND WEB RESOURCES:**

1. Tailwind CSS From Scratch | Learn By Building Projects by Brad Traversy
2. Tailwind CSS: A Modern Way To Build Websites Using CSS

**CONCLUSION:** I learnt to integrate mongoDB with frontend and backend and successfully created and integrated signup and login api.