REACT PROJECT WORK

Project Name **: Vehicle Insurance**

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Department of Computer Science and Engineering

3rd Year CSE-D

Organized by NEC CodeZen Club

Details Of The Project

Title of the Project   :   Vehicle Insurance

Name of the Person   :   Ujwala Devi Peteti

Roll No   :   21471A05O3

Year   :   3rd Year

Section   :   CSE-D

Technology Stack   :   ReactJS and MongoDB

Frontend   :   ReactJs

Backend   :   Node.JS

DataBase   :   MongoDB

Project Overview:

It is a comprehensive web application designed to facilitate the management of vehicle insurancePolicies.It incorporates user registration and login functionalities,allowing users to securely access their accounts.The system enables users to apply for insurance by submitting detailed information about their vehicles,policy preferences,and personal details.It also includes features for policy management,where users can view and update their policy information as needed.

Features and Functionality:

Home Page:

- ➢ The home page of this vehicle insurance provide a information about that webpage.
- ➢ In Home page Navbar is present from here you can easily navigate to the remaining components present in the webpage.

Register/Login Page:

- ➢ User must be register and login ton access all the features from our website.
- ➢ If a user doesn't have an account the he/she must be register and creaaccount and then has to login into this account.

Vehicle Insurance:

- ➢ Here you can see all the vehicle insurances that are available in the webpage and also know the details of that webpage.
- ➢ The customers can see all the insurances like two wheeler,four wheeler details.

About Page:

- ➢ In the About us page we have all the information about insurances in webpage with images.

Contact Page:

- ➢ In this we have the contact details of owner of the website.
- ➢ The client also interact with the user through the form in the contact page.
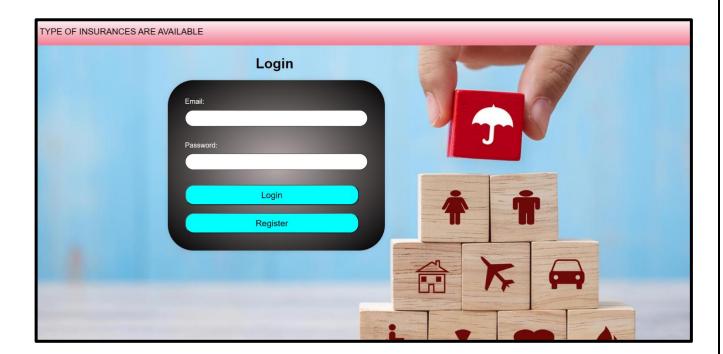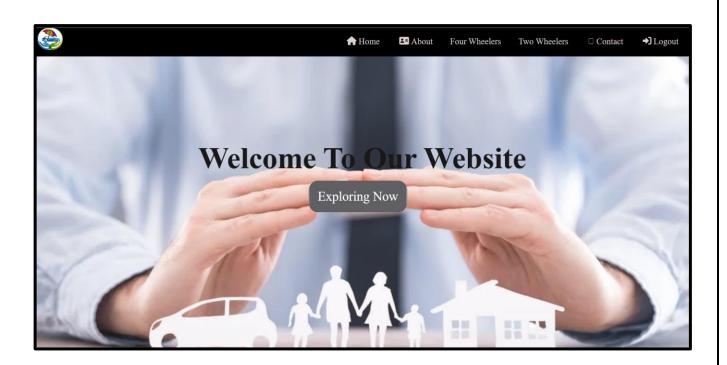
Photos of the Project Implementation:

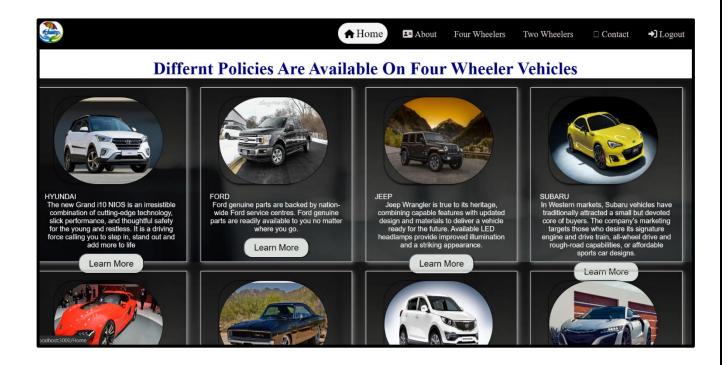## 1.Main Page:

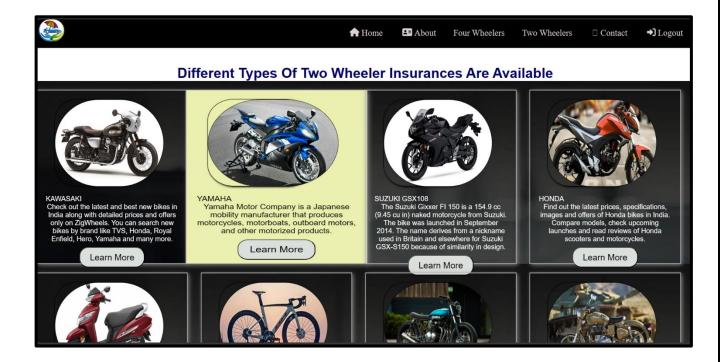
2.Register Page:

3.Login Page:

4.Home Page:

5.About Page:

6.Four Wheelers:

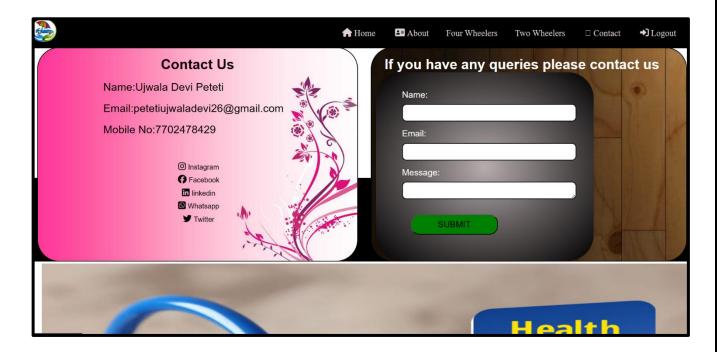## 7.Two Wheelers:
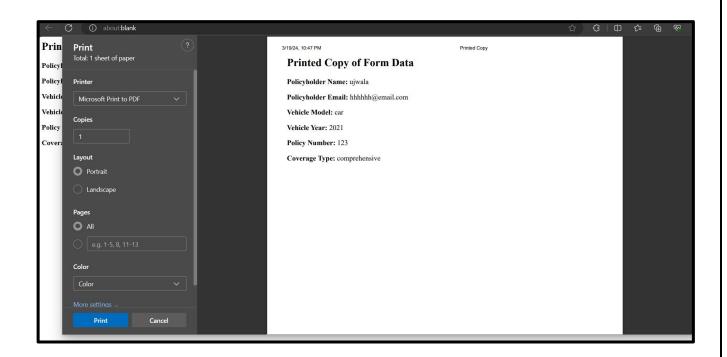

8.Services Page:

9.Contact Page:

10.Print of the User details:

Server side implementation with Database:

Index.js:

```javascript
const express = require('express');
const cors = require('cors');
const mongoose = require('mongoose');
const bcrypt = require('bcrypt');
const bodyParser = require('body-parser');

const app = express();
const PORT = process.env.PORT || 5000;

app.use(cors({
  origin: 'http://localhost:3000', // Adjust the port to match your client app
}));
app.use(bodyParser.json());

mongoose.connect('mongodb://127.0.0.1:27017/register', {
  useUnifiedTopology: true

});

const userSchema = new mongoose.Schema({
  Username: { type: String, unique: true, required: true },
  Password: { type: String, required: true },
  Email: { type: String, unique: true, required: true },
});

const User = mongoose.model('users', userSchema);

// Signup Endpoint
```

```javascript
// Signup Endpoint
app.post('/register', async (req, res) => {
  const { Username, Email, Password, Confirmpassword } = req.body;

  try {
    // Check if the username or email already exists
    const existingUser = await User.findOne({ $or: [{ Username }, { Email }] });
    if (existingUser) {
      return res.status(400).json({ error: 'Username or email already exists' });
    }

    // Check if passwords match
    if (Password !== Confirmpassword) {
      return res.status(400).json({ error: 'Passwords do not match' });
    }

    // Hash the password
    const hashedPassword = await bcrypt.hash(Password, 10);

    // Create a new user
    const newUser = new User({ Username, Password: hashedPassword, Email });

    // Save the user to the database
    await newUser.save();

    res.status(201).json({ message: 'User registered successfully' });
  } catch (error) {
    console.error('Error during signup:', error);
```

```javascript
app.post('/register', async (req, res) => {
    // Save the user to the database
    await newUser.save();

    res.status(201).json({ message: 'User registered successfully' });
  } catch (error) {
    console.error('Error during signup:', error);

    if (error.code === 11000 && error.keyPattern) {
      if (error.keyPattern.Username === 1) {
        return res.status(400).json({ error: 'Username already exists' });
      } else if (error.keyPattern.Email === 1) {
        return res.status(400).json({ error: 'Email already exists' });
      }
    }

    res.status(500).json({ error: 'Internal Server Error during signup' });
  }
});

// Login Endpoint
app.post('/login', async (req, res) => {
  const { Email, Password } = req.body;

  try {
    const user = await User.findOne({ Email });

    if (!user) {
      return res.status(401).json({ error: 'Invalid email or password' });
```

```javascript
/contact
onst formDataSchema1 = new mongoose.Schema({
  name: { type: String, required: true },
  email: { type: String, required: true },
  message: { type: String, required: true },
);
onst FormData1 = mongoose.model('FormData1', formDataSchema1);
pp.post('/submitForm', (req, res) => {
  const formData1 = new FormData1(req.body); // Use FormData1 instead of FormData
  formData1.save()
    .then(() => res.send('Form data saved successfully'))
    .catch(err => res.status(400).send(err));
);

pp.listen(PORT, () => {
  console.log(`Server is running on http://localhost:${PORT}`);
);
```

Frontend Implementation:

App.js:

```javascript
import {Routes,Route,Link} from 'react-router-dom';
import './App.css';
import First from './First';
import Navbar from './Component/Navbar/Navbar';
import Login from './Component/Login/Login';
import Main from './Component/Main/Main';
import Home from './Component/Home/Home'
import Register from './Component/Register/Register';
// import Hom from './Component/Home/Hom'
import About from './Component/About/About';
import Contact from './Component/Contact/Contact';
import Bikes from './Component/Bikes/Bikes';
import Cars from './Component/Cars/Cars';
import Services from './Component/Services/Services';
import Logout from './Component/Logout/Logout';


function App() {
  return (

    <Routes>
      <Route exact path="/" element={<Main/>}></Route>
      <Route exact path="/Navbar" element={<Navbar/>}></Route>
      <Route exact path="/Home" element={<Home/>}></Route>
      <Route exact path="/Login" element={<Login/>}></Route>
      <Route exact path="/Register" element={<Register/>}></Route>
      <Route exact path="/About" element={<About/>}></Route>
      <Route exact path="/Contact" element={<Contact/>}></Route>
      <Route exact path="/Bikes" element={<Bikes/>}></Route>
      <Route exact path="/Cars" element={<Cars/>}></Route>
```

```javascript
function App() {
    <Routes>
      <Route exact path="/" element={<Main/>}></Route>
      <Route exact path="/Navbar" element={<Navbar/>}></Route>
      <Route exact path="/Home" element={<Home/>}></Route>
      <Route exact path="/Login" element={<Login/>}></Route>
      <Route exact path="/Register" element={<Register/>}></Route>
      <Route exact path="/About" element={<About/>}></Route>
      <Route exact path="/Contact" element={<Contact/>}></Route>
      <Route exact path="/Bikes" element={<Bikes/>}></Route>
      <Route exact path="/Cars" element={<Cars/>}></Route>
      <Route exact path="/Services" element={<Services/>}></Route>
      <Route exact path="/Logout" element={<Logout/>}></Route>
    </Routes>
  );
}

export default App;
```

Home.js:

```jsx
import { Link } from 'react-router-dom';
import { Route,Routes } from 'react-router-dom';
import About from '../About/About';
import Navbar from '../Navbar/Navbar'
import './Home.css'
function Home(){
    return(
        <>
        <Navbar/>
        <section>

         <div className="c">
           <h1 className="r">Welcome To Our Website</h1>
            <div className="l">
                <button className="ba"><Link id="rf" to="/About">Exploring Now</Link></button>
            </div>


            </div>
            <Routes>
            <Route exact path='/About' element={<About/>}></Route></Routes>
            <div className="v">
                <div className="m">
                <img  height="750" width="900"src="https://tomneedhaminsurance.com/wp-content/uploads/20:
                <div className="h">
                <h1 className="di">Different Types of Insurance Policies in India</h1>
                <p id="w">Accidents or losses of any kind, including death, are the formidable realities
                <p  id="w">Insurance is a tool that provides us with much-needed protection from uncerta:
                <p  id="w">Basically, an insurance that does not lie in the ambit of Life Insurance is Ge
```

About.js:

```jsx
import './About.css'
import Navbar from '../Navbar/Navbar'
import { Link } from 'react-router-dom'
function About(){
    return(
        <>

        <Navbar/>
        <div className='ns'>
            <br></br> <br></br> <br></br>
    <h1 className="v1">Vehicle Insurance Solutions</h1>
    <img width="1500" height="700"src="https://blog.fincrew.my/wp-content/uploads/2020/06/Blog-Featured_2
    </div>
    <div className="ng">
    <div class="features-section">

    <h2>About Us</h2>
        <p  className='lo'>Welcome to Vehicle Insurance Solutions, where your safety is our top priority.
        <p  className='lo'>At Vehicle Insurance Solutions, we understand the importance of protecting you




    <h2>Why Choose Us?</h2>
        <div className="feature">
            <h3>Customized Coverage</h3>
            <p  className='lo'>Our insurance plans are designed to fit your specific requirements, provic
Thus, before you gear up for your next ride, secure your vehicle with HDFC ERGO's vehicle insurance polic
```

Four Wheeler:

```jsx
import './Cars.css';
import {Link,Route,Routes} from 'react-router-dom';
import Services from '../Services/Services';
import Navbar from '../Navbar/Navbar';
function Cars(){
    return(
        <>
         <Navbar/>
         <br></br> <br></br> <br></br>
          <h1 className="kl">Differnt Policies Are Available On Four Wheeler Vehicles</h1>
          <div className="container">
            <div className="card">
                <div className="im">
                    <img id="ir1" src="https://4x4motoring.com/wp-content/uploads/2019/05/creta_limited_
                </div>
                <div className="tt">
                <p> HYUNDAI</p>The new Grand i10 NIOS is an irresistible combination of cutting-edge tech
                </div>
                <div className="bo">
                <button className='cd'><Link id='ml' to="/Services">Learn More</Link></button>
                </div>
            </div>
            <div className="card">
                <div className="im">
                    <img id="ir1" src="https://www.findaluxurycar.com/galleria_images/7768/7768_p2_l.jpg"
                </div>
                <div className="tt">
                 <p>FORD</p>Ford genuine parts are backed by nation-wide Ford service centres. Ford genu:
                </div>
                <div className="bo">
```

Two Wheeler:

```jsx
import './Bikes.css'
import Navbar from '../Navbar/Navbar'
import { Link } from 'react-router-dom'
function Bikes(){
    return(
        <>
         <Navbar/>
          <br></br> <br></br> <br></br>
         <h1 className="ty">Different Types Of Two Wheeler Insurances Are Available</h1>
         <div className="container">
            <div className="card">
                <div className="im">
                    <img id="ir1"src="https://s3.amazonaws.com/the-drive-staging/message-editor/154160984
                </div>
                <div className="tt">
                <p> KAWASAKI</p>Check out the latest and best new bikes in India along with detailed pri
                </div>
                <div className="bo">
                    <button className='cd'><Link id='ml' to="/Services">Learn More</Link></button>
                </div>
            </div>
            <div className="card">
                <div className="im">
                    <img id="ir1" src="https://moneyinc.com/wp-content/uploads/2018/06/Yamaha-Motorcycle:
                </div>
                <div className="tt">
                 <p>YAMAHA</p>Yamaha Motor Company is a Japanese mobility manufacturer that produces moto
                </div>
                <div className="bo">
```

Conclusion:

Vehicle insurance is an essential aspect of ensuring safety on Indian roads. As the number of vehicles and their associated risks can increase as years go by, third-party car insurance as a mandatory requirement in India seems justified. In this article, we will explore the reasons behind the compulsory nature of car insurance (third-party) and delve into the different types of car insurance available to vehicle owners. Understanding the significance of car insurance can help us appreciate its role in promoting responsible driving and safeguarding the interests of vehicle owners and third parties alike.

This means that car insurance should be a significant consideration when you are buying a car. A valuable car would require a higher amount of coverage. Hence, you must ensure you get the right amount of coverage for a reasonable price.