PROJECT REPORT

On

"QuickAutoLease"

2022-2023

Department of Computer Engineering & Applications
GLA UNIVERSITY

GLA University Mathura- 281406, INDIA

SUBMITTED BY:-   **SUBMITTED TO:**

Rishabh Agarwal (201500563)   Ruchi Talwar Mam

Ashish Sengar (201500165)   (Technical trainer)

Rohit Saxena (201500590)

Ayush Kumar (201500180)

Declaration

We hereby declare that the work which is being presented in the Car Agency Project "**QuickAutoLease",** in partial fulfilment of the requirements for any car Agency Project viva voce, is an authentic record of our own work carried by the team members under the supervision of our mentor.
Ruchi Talwar Mam.

Group Members:

Ashish Sengar (201500165)
Rishabh Agrawal (201500563)
Rohit Saxena (201500590)
Ayush Kumar (201500180)

Course: B.Tech (Computer Science and Engineering)

Year: 3rd Semester:

5th

Supervised By
Ruchi Talwar Mam, Technical Trainer,

GLA University, Department of Computer Engineering & Application

Department of computer Engineering and Applications

GLA University, Mathura

17 km. Stone NH#2, Mathura-Delhi Road, P.O. – Chaumuha,

Mathura – 281406

<u>Certificate</u>

This is to certify that the above statements made by the candidates are correct to the best of my/our knowledge and belief.

_____   Supervisor

Ruchi Talwar Mam

Technical Trainer

Dept of CEA, GLA University

_____   _____

Project Mentor   Program Coordinator

(Ruchi Talwar Mam)   (Mr. Shashi Shekar)

About the Project

Our web application is for car agency. Every car agency has some data in itself and every car agency want to share some data with customers like latest car of this year, most searched car, and features of car. And about your agency. In this project any customer want to buy a new car with a specific company then he can visit this website and find the car with it's price and features. If customers want to book a new car then he can book. And if user wants to book a slot for his new car service then he can book slot. If user has a old car and he want to sell his old car then he can sell his car at our website. Because if anybody wants to sell his old car at good price then he face many difficulty but our web application provide this facility in easy way.

Motivation

The "QuickAutoLease" website has been developed to solve the queries of customers regarding the new car booking and also buy new and old car faces by the users at the buying a car. We have seen most of the people has no more time for going agency due to lack of time. So our website is helpful for those person who is busy in his official life. That person can buy a new car and also a old car by visiting our websites and if he has a old car and he want to sell it then he can sell easily with the help of our websites.

Requirements

a). Software Requirements:
- Technology Implemented: Web Technology
- Languages/Technologies Used: HTML,CSS,JS ,React Js , Node Js , Machine Learning Model
- IDE Used: VSCode
- Web Browser: Google Chrome

- GitHub: GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere. GitHub Repository: A GitHub repository can be used to store a development project. It can contain folders and any type of files (HTML, CSS, JavaScript, Documents, Data, Images). A GitHub repository should also include a license file and a README file about the project. A GitHub repository can also be used to store ideas, or any resources that you want to share.

b). Hardware Requirements:
- Processor Required: Intel i3
- Operating System: Windows 10, Window 7
- RAM: 4GB
- Hardware Devices: Computer System
- Hard Disk: 256GB

Acknowledgement

We thank the almighty for giving us the courage and perseverance in completing the project. This project itself is an acknowledgement for all those people who have given us their heartfelt co-operation in making this project a grand success.

We extend our sincere thanks to Ruchi Talwar Mam, Technical Trainer at "GLA University, Mathura" for providing his valuable guidance at every stage of this project work. We are profoundly grateful towards the unmatched services rendered by him.

And last but not least, we would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation in doing the project.

QuickAutoLease

Abstract

The "QuickAutoLease" has been developed to override the problems faced by the customers in their daily life regarding car buying. The study described in this research that this car Agency is designed for such owners and users who are interested in cars. This system keeps track of all the cars along with their each and every single detail. From the date of manufacture to up to what price can one negotiate while taking that car, one can view all the data here. If someone is interested in buying the car, then he/she can contact the retailer as well for the same, via the system.

If someone has buy a car or even interested in buying any car, then the person has to go to the showroom. Not only once, but every time, whenever he/she is looking for some fact, the only option left is to go to the showroom. This is very time consuming and very hectic as well. Sometimes, the buyer even lost interest because of this practise.

If someone buy the car from showroom. It is time consuming process and customers has to go to the showroom many times. But with the help of this websites customers can easily book your car and can see the specification of car.

Contents

Introduction

 In this project we make a website which provide the facility to buy a new car and also an old car. If any customers want to trial of car before buying any car then he/she can

easily book your trial slot by website. It is helpful for those customers who wants to buy a new car he/she can easily see the full specifications of car. And he/she can know about the car easily to visit our websites. In this existing scenario, if someone has to buy a car or even interested in buying any car, then the person has to go to the showroom. Not only once, but every time, whenever he/she is looking for some fact, the only option left is to go to the showroom. This is very time consuming and very hectic as well. Sometimes, the buyer even lost interested because of this practise.

Technologies Used

- **Html5 :** Html stands for Hypertext Mark-up Language . It used for mainly to display text code as well as formatting these texts.

- **CSS :** CSS stand for Cascading Style sheets. This is a very powerful language for formatting the web pages and has been of great help in my project.

- **Java scripts :** Java scripts played a very crucial role in adding some functionalities to my system . These included sliding images, a features which is much clear in the system's homepage.

- **React :** It is JavaScript library used for building reusable UI components.

- **Firebase :** It is **a Backend-as-a-Service (Baas)**. It provides developers with a variety of tools and services to help them develop quality apps, grow their user base, and earn profit.

- **Node Js :** Node.js is a server-side platform built on Google Chrome's JavaScript Engine (V8 Engine).

- **ML :** Machine learning is subfield of computer science with the goal of exploring, studying, and developing learning systems, methods, and algorithms that can improve their performance with learning from data.

- **Flask :** Flask is used for developing web – applications using python.

Flow Chart

Data Flow Diagram of the Site -

Level 0:
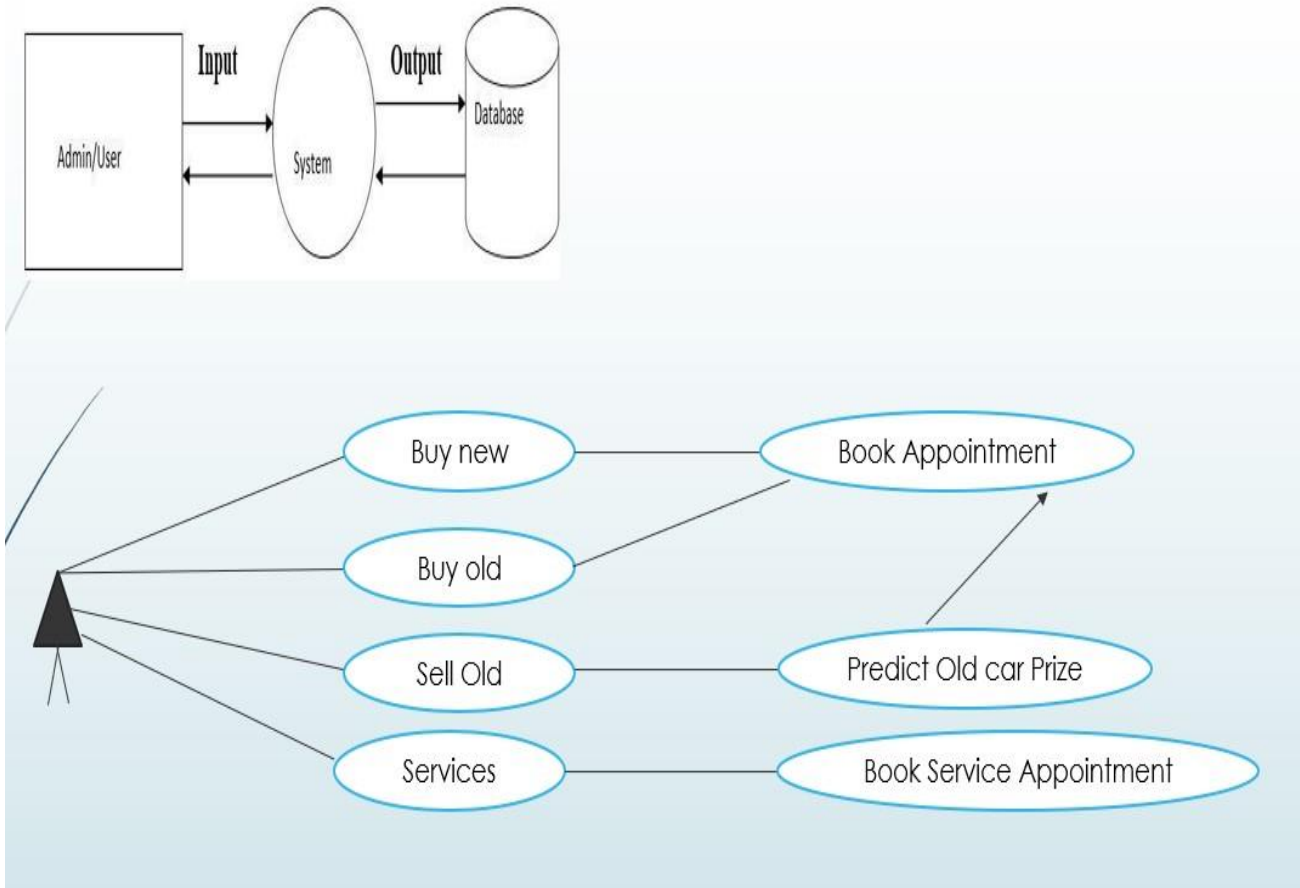
Project Code:

Home Page :

```jsx
import React from 'react'; import Sectionsecond from
"../Components/Sectionsecond"; import Sectionfirst from
"../Components/Sectionefirst"; import Footer from "../Components/footer";
import '../CSS/homepage.css'; import About from '../Components/about.js';
import slideimg1 from '../Constant/Images/slideimg1.png' import slideimg2
from '../Constant/Images/slideimg2.png' import slideimg3 from
'../Constant/Images/slideimg3.png' import slideimg4 from
'../Constant/Images/slideimg4.png' import slideimg5 from
'../Constant/Images/slideimg5.png' import SimpleImageSlider from "react-
simple-image-slider";
 const images = [   { url:
slideimg1 },
  { url: slideimg2 },
  { url: slideimg3 },
  { url: slideimg4 },
  { url: slideimg5 },
  { url: slideimg1 },
]; export default function homepage() {   return (


    <>
      <div class="mainfront">
        <div id="dreamleft">
         <span id="finddream">Find Your Dream Car</span>
         <br></br> <span id="thousand">We Have a more then Thousands Cars for you to choose</span>
         <div>
          <br></br>
          <br></br>
          <div id="aboutcontent">
             Quick Auto Lease is India's leading Auto Portal and receives millions of car buyers and researchers every month. Quick
Auto Lease is the most preferred online shopping destination for cars in India, with a presence across all major cities and towns in the
country. Quick Auto Lease is also the most preferred online shopping destination for new cars and used cars in India. Quick Auto
Lease is the most preferred online shopping destination for cars in India,
```

with a presence across all major cities and towns in the country. Quick Auto Lease is also the most preferred online shopping destination for new cars and used cars in India.

```jsx
        </div>
        <br></br>
        <div id="buttondiv"><a href="/about" id="buttonread">Read More</a></div><br></br>
<br></br>
        <br></br><br></br>
        <marquee id="discount" behavior="" direction="">Get 5% Discount On Pre
Booking;</marquee>
        </div>
      </div>
      <div id="dreamright">
<SimpleImageSlider        width={800}
height={600}        images={images}
showBullets={true}        showNavs={true}
autoPlay={true}
    />
        </div>
      </div>
      <br></br>
      <Sectionfirst />
      <Sectionsecond />
    </>


  );
}
```

```jsx
import React from 'react'
import {FaUserAlt} from 'react-icons/fa'; import
'../CSS/navbar.css';


export default function Navbar() {     return (
<>


        <div class="navbar">
          <div id="logo">
```

NavBar :

```jsx
                        <span id="headingnav">MARUTI SUZUKI</span>
</div>
            <div id="menu">
                <a href="/" id="content">Home</a>
                <a href="/about" id="content">About</a>
                <a href="/services" id="content">Services</a>
                <a href="/contact" id="content">Contact</a>
                <a href="https://forms.gle/ZumXHXg4zXYZk4Tx6" id="content">Reviews</a>            </div>
            <div id="content">
                <a href='/login' id='content'><FaUserAlt/></a>
            </div>
        </div>
    </>
  );
}
```

```jsx
import React from 'react' import '../CSS/footer.css' import playstore from
'../Constant/Images/miniplay.png'; import insta from
'../Constant/Images/insta.png'; import linkedin from
'../Constant/Images/linkedin.png'; import twitter from
'../Constant/Images/twitter.png'; import facebook from
'../Constant/Images/facebook.png'; import map from
'../Constant/Images/map.png'; import ios from
'../Constant/Images/iosdownload.png'
 export default function footer() {     return (
        <div id="footer">
          <div id="marginwala">
            <div id="directions">
            <h3 id="headingfoot">Direction</h3>
            <span id="add">NH 2 Mathura Highway, <br></br>UP 282006 </span><br></br><br></br>
            <img id="directionimg" src={map}></img>
            </div>
            <div id="leftfooter">
              <div className='footer_contentrightlinks_title'>
                <h3 id="headingfoot">Our Company</h3>
              </div>
              <div className='footer_contentrightlinks_list'>
```

Footer :

```html
            <li id="li" ><a  id="ul" href='/contact'>Contact Us</a></li>
            <li id="li" ><a  id="ul" href='#'>Privacy Policy</a></li>
            <li id="li" ><a  id="ul" href='#'>Terms & Conditions</a></li>
            <li id="li" ><a  id="ul" href='#'>Sitemap</a></li>
        </ul>
      </div>
    </div>
    <div id="centrefooter">
      <h3 id="headingfoot">Other Car Companies</h3>
      <div className='footer_contentrightlinks_list'>            <ul >
          <li id="li"><a id="ul" href="https://www.marutisuzuki.com/">Maruti Suzuki Cars</a></li>
          <li id="li"><a id="ul" href="https://www.hyundai.com/in/en">Hyundai Cars</a></li>
          <li id="li"><a id="ul" href="https://www.hondacarindia.com/">Honda
Cars</a></li>
          <li id="li"><a id="ul" href="https://www.toyotabharat.com/">Toyota Cars</a></li>
          <li id="li"><a id="ul" href="https://www.mahindra.com/">Mahindra Cars</a></li>
          <li id="li"><a id="ul" href="https://www.tatamotors.com/">Tata
Cars</a></li>
        </ul>
      </div>
    </div>
    <div id="rightfooter">

      <div>
        <span id="footbutton">Download Our Application</span><br></br><br></br>
        <a href="https://play.google.com/store/apps?utm_source=apac_med&utm_medium=hasem&utm_content=Feb0221&
utm_campaign=Evergreen&pcampaignid=MKT-EDR-apac-in-1003227-med-hasem-ap-Evergreen-Feb0221Text_Search_BKWS-
BKWS%7cONSEM_kwid_43700065205026376_creativeid_535350509651_device_c&gclid=Cj0KCQiAveebBhD_ARIsAFa
AvrElwkDXns3t26zEydm0q-n-_Vq8qgyHnkQ7wm3OcJkaxxGfw56kTDcaAjd_EALw_wcB&gclsrc=aw.ds"><img id="footplay"
src={playstore}></img></a>
        <a href="https://www.apple.com/in/app-store/"><img id="footplay" src={ios}></img></a>
</div>
      <br></br>
      <div id="logosfoot">
        <span id="followus">Follow Us :  </span>




          <ul>
```

```html
<li id="li" ><a  id="ul" href='/about'>About Us</a></li>
```

```
                              <a href="https://www.instagram.com/"><img id="footerlogo"
src={insta}></img></a>
        <a href="https://www.facebook.com/"><img id="footerlogo" src={facebook}></img></a>
        <a href="https://twitter.com/"><img id="footerlogo" src={twitter}></img></a>
        <a href="https://www.linkedin.com/"><img id="footerlogo" src={linkedin}></img></a>          </div>
```

```
            </div>
         </div>
      </div>
   );
}
```

Login :

```
import React, { useState } from "react"; import '../CSS/signin.css'; import {auth}
from '../firebase'; import { signInWithEmailAndPassword } from
"firebase/auth"; import { useNavigate } from "react-router-dom"; const
LogIn=()=>{
    const navigate = useNavigate();
    const[fullName,setFullName] = useState({        email :
"",        password : "",
    });      const inputEvent=(event)=>{
        const{name, value} = event.target;
setFullName((preValue) =>{              return{
            ...preValue,
            [name] : value,
        };
    });
    };
    const onSubmits=(event)=>{        event.preventDefault();
if(!fullName.email || !fullName.password){
```

```jsx
    else{          console.log(fullName);          signInWithEmailAndPassword(auth, fullName.email,
fullName.password)
          .then(async(res)=>{               const user =
res.user;               console.log(user);
alert("Login Successful")               navigate("/")
          })
          .catch((err)=> {               alert(err.message);
console.log("Err - ",err);
          });
    }    };
return(
    <>
    <div className="fullPage">
    <div className = "bigBox">
    <div className="headS">
       <form onSubmit={onSubmits}>
       <div className="formBox">
       <h1 className="heading">Enter Credentials</h1>
       <input          type="email"
placeholder=" email "         name="email"
onChange={inputEvent}
value={fullName.email}
className="box"/>
       <input          type="password"
placeholder=" Password "
name="password"
onChange={inputEvent}
value={fullName.password}
className="box"/>
       <div className ="submitBox">
       <button type="submit" className="submitButton">Submit</button>
       </div>
       </div>
       </form>
    </div>
```

alert("Please enter all values!")

}

```
illustration_335657-2242.jpg?w=2000" className="img1" alt="image2"/>
        <p className="common-para">
            Don't have an account? <a href="/signup">Signup</a>
        </p>


    </div>
    </div>
    </>
);
} export default LogIn;
```

<img src = "https://img.freepik.com/free-vector/sign-page-abstract-concept-

```
import React, { useState } from "react";
 import "../CSS/signin.css" import { createUserWithEmailAndPassword, updateProfile } from
"firebase/auth"; import {auth} from "../firebase" import { useNavigate } from "react-router-dom"
 const SignIn=()=>{
    const navigate = useNavigate();
    const[fullName,setFullName] = useState({          fname :
"",        lname : "",          email : "",          password : "",
    });      const inputEvent=(event)=>{

     const{name, value} = event.target;
            setFullName((preValue) =>{
return{
            ...preValue,
            [name] : value,
        };
    });
```

SignUp :

```jsx
    const onSubmits=(event)=>{        event.preventDefault();        if(!fullName.fname || !fullName.lname ||
!fullName.email || !fullName.password){         alert("Please enter all values!")
    }        else{           console.log(fullName);          createUserWithEmailAndPassword(auth,
fullName.email, fullName.password)
        .then(async(res)=>{                    const user =
res.user;              console.log(user);
alert("Profile created")
            //console.log(res);
            navigate("/")
        })
        .catch((err)=> {                   alert(err.message);
console.log("Err - ",err);
        });
    }
};     return(
    <>
    <div className="fullPage">
    <div className = "bigBox">
    <div className="headS">
      <form onSubmit={onSubmits}>
      <div className="formBox">
      <h1 className="heading">Register {fullName.fname} {fullName.lname}</h1>
      <input          type="text"
placeholder=" fName "
name="fname"
onChange={inputEvent}
value={fullName.fname}
className="box"/>

      <input          type="text"
placeholder=" lName "
name="lname"
onChange={inputEvent}
    };
```

```jsx
          className="box"/>

          <input          type="email"
placeholder=" email "           name="email"
onChange={inputEvent}
value={fullName.email}
className="box"/>


               <input          type="password"
placeholder=" Password "
name="password"
onChange={inputEvent}
value={fullName.password}
className="box"/>
          <div className ="submitBox">
          <button type="submit" className="submitButton">Submit</button>
          </div>
          </div>
          </form>
     </div>
     <img src = "https://img.freepik.com/free-vector/sign-page-abstract-conceptillustration_335657-2242.jpg?w=2000"
className="img1" alt="image2"/>
     </div>
     </div>
     </>
  );
} export default SignIn;
```

```
value={fullName.lname}
```

```
import React from 'react' import
'../CSS/services.css';

import newcar from '../Constant/Images/buynew.png';
import oldcar from '../Constant/Images/oldcar.png';
import oldser from '../Constant/Images/oldser.png';
```

Services :

```jsx
 import newser from '../Constant/Images/newser.png'; import sellold
from '../Constant/Images/sellold.png';


export default function services() {   return (
  <>
    <h2 id="servih3">Our Services</h2>
    <div id="mainservicesec">
    <div id="carsections1">
     <div id="serwith1">
      <div id="serwithsubstart">
       <img id="serimg" src={newcar} alt="" />
       <br></br>
       <a href="/knowmore" id="sermore">BUY NEW</a>
      </div>
     </div>
     <div id="serwith2">
      <div id="serwithsubend">
       <img id="serimg" src={oldcar} alt="" /><br></br>
       <a id="sermore">BUY OLD</a>
      </div>
     </div>
     <div id="serwith3">
      <div id="serwithsubstart">
       <img id="serimg" src={newser} alt="" /><br></br>
       <a href="/serform" id="sermore">NEW CAR SERVICES</a>
      </div>
     </div>
     <div id="serwith4">
      <div id="serwithsubend">
       <img id="serimg" src={oldser} alt="" /><br></br>
       <a href="/serform" id="sermore">OLD CAR SERVICES</a>
      </div>
     </div>
     <div id="serwith5">
      <div id="serwithsubstart">
       <img id="serimg" src={sellold} alt="" /><br></br>
       <a id="sermore">SELL OLD</a>
      </div>
     </div>
    </div>
    </div>
    <br></br>
  </>
```

```
);
}
```

Car PrediCtion By ML :

```
from flask import Flask,render_template,request
import pandas as pd
import numpy as np
import pickle
app = Flask(_name_)


model = pickle.load(open("LinearRegressionModel.pkl",'rb'))
car  = pd.read_csv("Cleaned_Car_data.csv")


@app.route('/')


def index():
    companies = sorted(car['company'].unique())
    car_models = sorted(car['name'].unique())
    #  car_varient  =  sorted(car['Varient'].unique())
    year  =  sorted(car['year'].unique(),reverse=True)
    fuel_type = car['fuel_type'].unique()
    # owner = car['Number of Owner'].unique()




    return render_template('index.html',companies=companies, car_models = car_models,years = year,fuel_types = fuel_type)




    @app.route('/predict', methods=['POST'])
    def predict():
        company = request.form.get('company')
        car_model   =   request.form.get('car_model')
        year = int(request.form.get('year'))
        fuel_type   =   request.form.get('fuel_type')
        kms_driven = int(request.form.get('kilo_driven'))
```
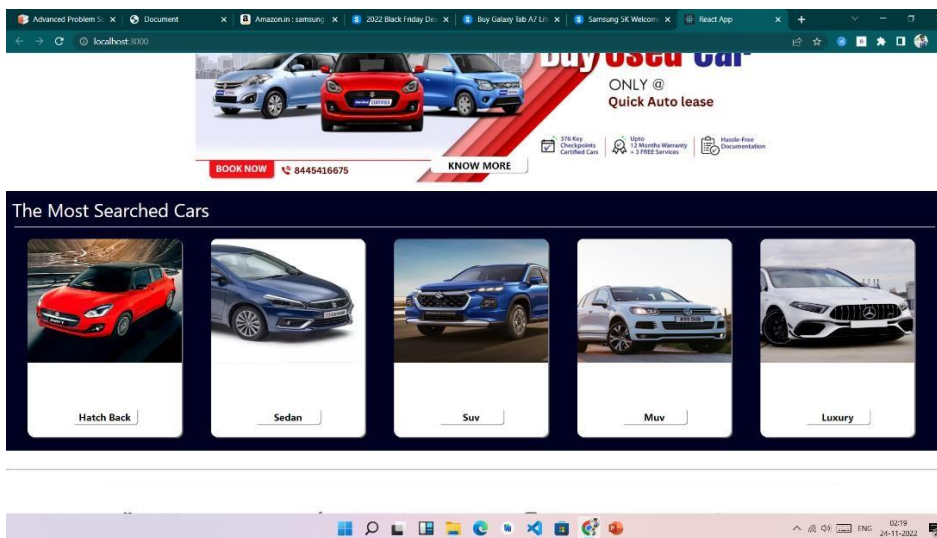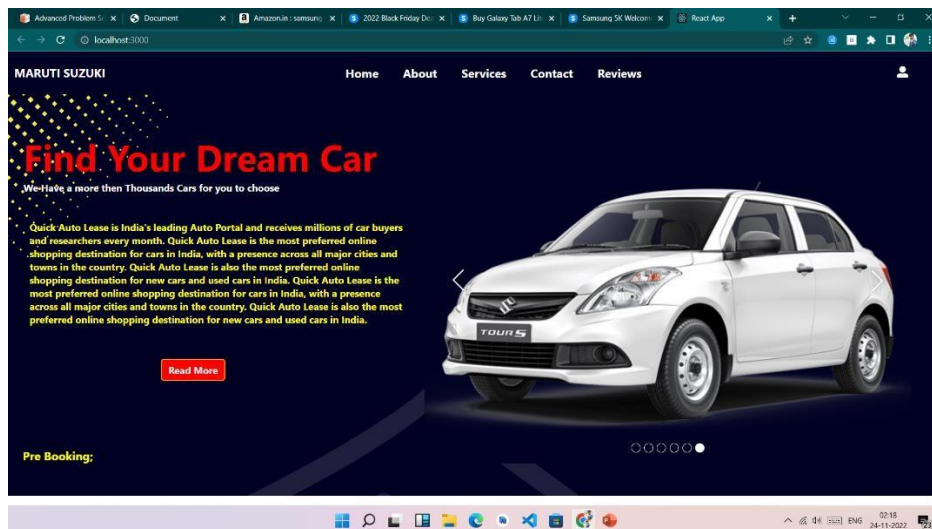
```
prediction                                    =
model.predict(pd.DataFrame([[car_model,compa
ny,year,kms_driven,fuel_type]],
columns=['name','company','year','kms_driven','
fuel_type']))

        print(prediction[0])
    return str(np.round(prediction[0],2))




    if _name_ == "_main_":
      app.run(debug=True)
```

List of Figures
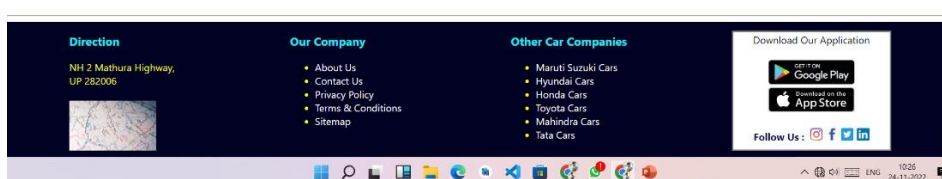
Sections
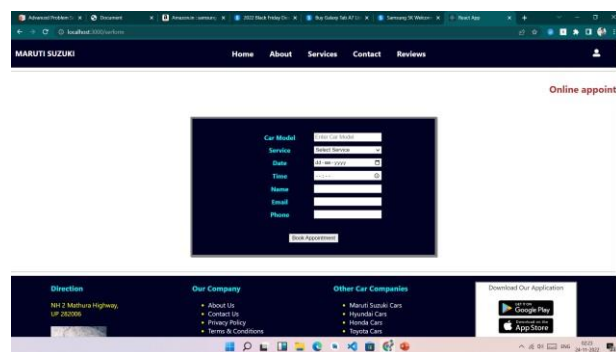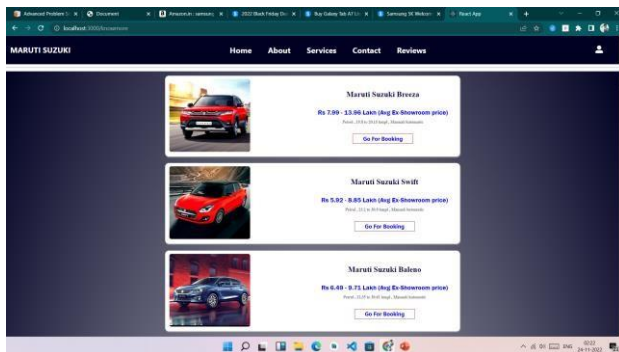
Additional Future Plans

- ➥ Old Car Section for Buy
- ➥ OTP othentication
- ➥ Notification system
- ➥ Chat functionality

- ➡ Coupon management
- ☐

Conclusion

We have completed our project within time limit with the coordination of our team members under the supervision of our mentor Miss. Ruchi Talwar.

Our project repository is available at

https://github.com/techie-ashish1924/Car-Agency-MiniProject-2022