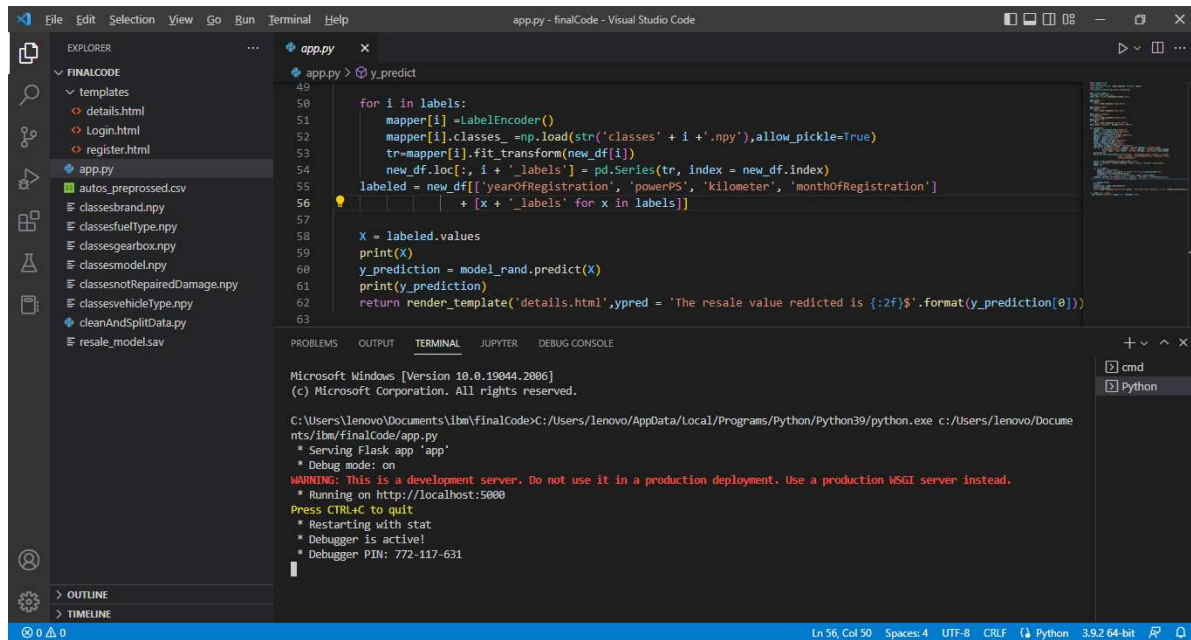


SPRINT-3

TEST AND EXECUTE THE MODEL USING FLASK APP

| | |
|--------------|-----------------------------|
| Team ID | PNT2022TMID32654 |
| Project Name | Car resale value prediction |

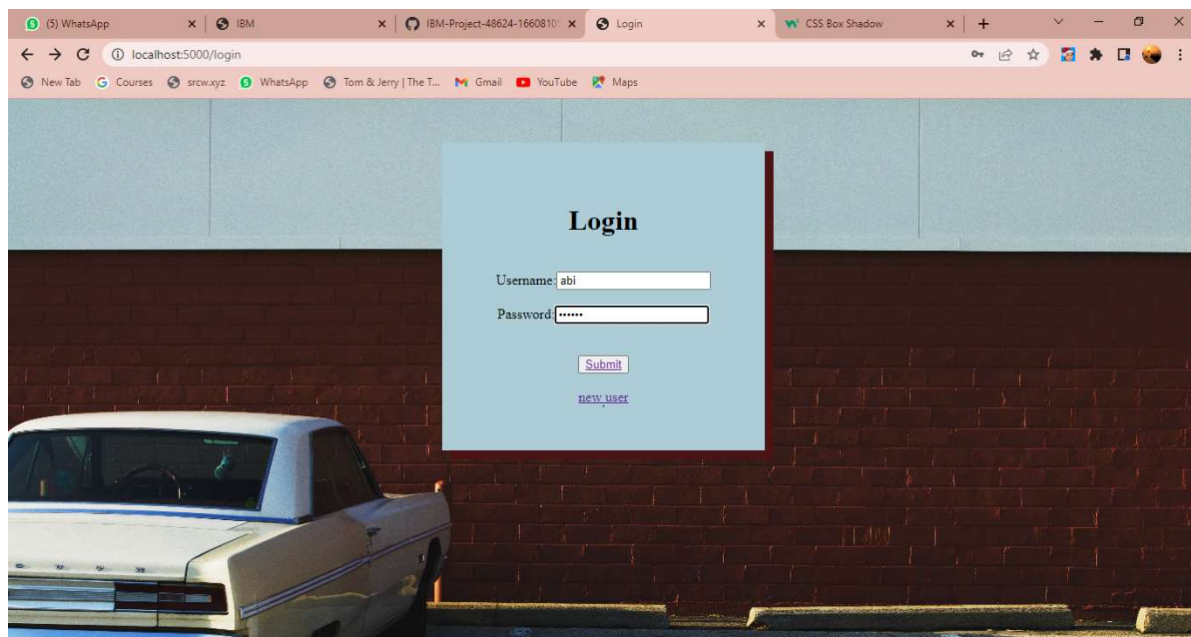


The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project named 'FINALCODE'. The file 'app.py' is open in the editor. The code in 'app.py' includes imports for 'LabelEncoder', 'load', 'fit_transform', 'pd.Series', and 'model_rand'. It defines a function 'y_predict' that takes a list of labels and returns a predicted resale value. The terminal at the bottom shows the command 'python app.py' being executed, and the output indicates that the Flask app is running on http://localhost:5000.

```
app.py
49
50 for i in labels:
51     mapper[i] = LabelEncoder()
52     mapper[i].classes_ = np.load(str('classes' + i + '.npy'), allow_pickle=True)
53     tr = mapper[i].fit_transform(new_df[i])
54     new_df.loc[:, i + '_labels'] = pd.Series(tr, index = new_df.index)
55 labeled = new_df[['yearOfRegistration', 'powerPS', 'kilometer', 'monthOfRegistration']
56             + [x + '_labels' for x in labels]]
57
58 X = labeled.values
59 print(X)
60 y_prediction = model_rand.predict(X)
61 print(y_prediction)
62 return render_template('details.html', ypred = 'The resale value redicted is {:.2f}$'.format(y_prediction[0]))
63
```

Microsoft Windows [Version 10.0.19044.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lenovo\Documents\ibm\finalCode>C:\Users\lenovo\AppData\Local\Programs\Python\Python39\python.exe c:\Users\lenovo\Documents\ibm\finalCode\app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://localhost:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 772-117-631



(5) WhatsApp x IBM x IBM-Project-48624-1660810 x Login and Registration x CSS Box Shadow x

localhost:5000/reg

New Tab Courses srcw.xyz WhatsApp Tom & Jerry | The T... Gmail YouTube Maps

Registration Form

First Name :

Last Name :

Username :

Password :

Email :

Mobile No :

[Back to Home](#)

(5) WhatsApp x IBM x IBM-Project-48624-1660810 x car details x CSS Box Shadow x

localhost:5000/predict

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Please fill the following details of your car

Registration year:

Registration Month:

Power of car in PS:

Kilometers Driven:

Gear Box Type: ☐ Manual ☐ Automatic ☐ Not declared

Your Car is Damaged or Repaired: ☐ Yes ☐ No ☐ Not declared

Fuel type of the car:

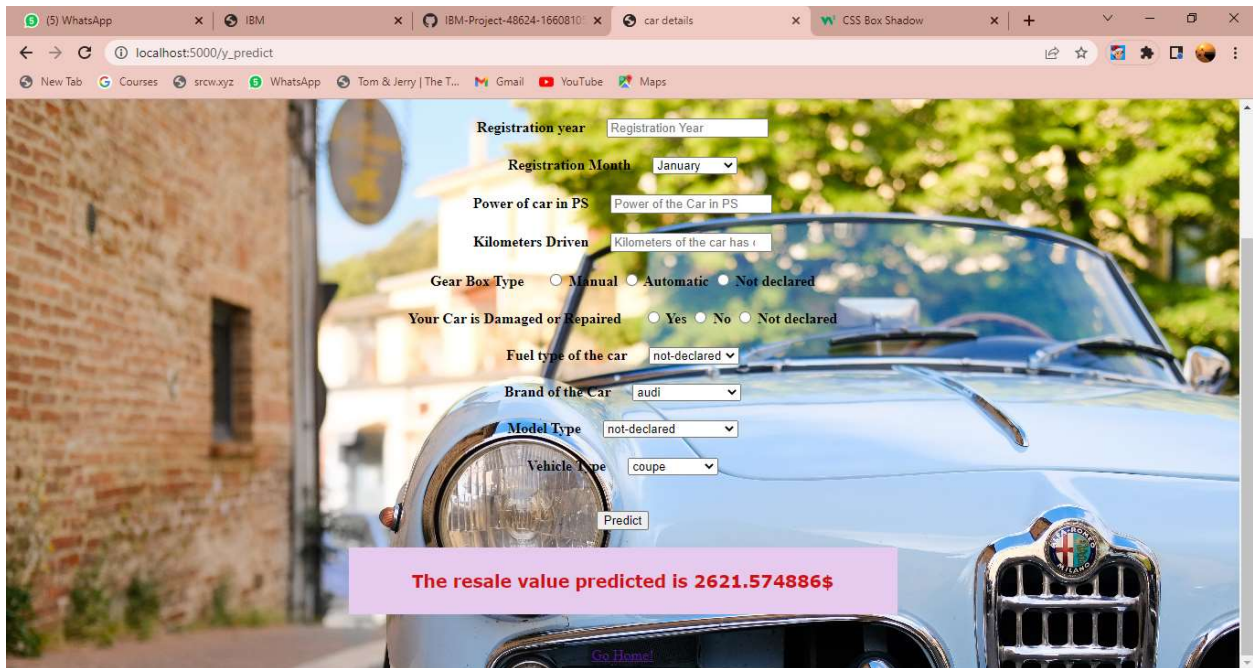
Brand of the Car:

Model Type:

Vehicle Type:

FINAL RESULT PAGE:

The resale value is predicted below



The screenshot shows a web browser with multiple tabs. The active tab is titled 'car details' and shows a form for predicting a car's resale value. The form is overlaid on a background image of a blue classic car. The form fields are as follows:

- Registration year: Registration Year (text input)
- Registration Month: January (dropdown menu)
- Power of car in PS: Power of the Car in PS (text input)
- Kilometers Driven: Kilometers of the car has (text input)
- Gear Box Type: ☐ Manual ☐ Automatic ☐ Not declared
- Your Car is Damaged or Repaired: ☐ Yes ☐ No ☐ Not declared
- Fuel type of the car: not-declared (dropdown menu)
- Brand of the Car: audi (dropdown menu)
- Model Type: not-declared (dropdown menu)
- Vehicle Type: coupe (dropdown menu)
- Predict (button)

Below the form, a pink banner displays the predicted resale value: **The resale value predicted is 2621.574886\$**. At the bottom of the page, there is a link that says 'Go Home!'.