

Github Link:

About the Web Development:

We have a small car dealership business that gave me an idea that listing cars in a website can help our business grow by expanding our reach other than Facebook page. This start-up website aims to provide updated list of available cars that will be upgraded sooner so that it can showcase what the business can offer.

This Web development/design was created only for initial listings of Cars of a small-town business.

SOURCE CODE: Python Files

Filename: app.py

This python file contains the main code sources to run the Web.

- Lines 1|2: Importing Flask files
- Lines 6|10|15: Routes
- Lines 8|13|18: Commands to render templates indicate inside “(…)”
- Lines 20|21: End commands to make sure that the defined codes will run.

```
1  from flask import Flask, render_template
2  from data import list
3
4  app = Flask(__name__)
5
6  @app.route('/')
7  def index():
8      return render_template('index.html')
9
10 @app.route('/cars/<car_type>')
11 def cars(car_type):
12     car_list = list[car_type]
13     return render_template('cars.html', car_type_template=car_type, cars_template=car_list)
14
15 @app.route('/cars/<car_type>/<int:car_id>')
16 def kotse(car_type, car_id):
17     car_profile = list[car_type][car_id]
18     return render_template('kotse.html', car_profile=car_profile)
19
20 if __name__ == '__main__':
21     app.run(debug=True)
```

Filename: data.py

This python file serves as the Dictionary for the data needed in the Web.

Codes used:

- ‘List’ : code defined as the source for car_type

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- car_type : 'Hatchback' , 'Sedan' , 'Truck' , 'SUV'
- Lines 3-9 and as follows: Bracketed Details of the Car

```
1  list = {
2      'Hatchback': [
3          {
4              'Name': '2015 Kia Picanto',
5              'Transmission': 'Automatic',
6              'Odometer': '89k',
7              'Details': 'Front & rear dashcam, Touch screen head unit w/ 2 rear screen, Sound set-up',
8              'url' : 'https://i.postimg.cc/4xTHtGLs/Picanto.jpg'
9          },
10         {
11             'Name': '2019 Toyota Wigo G',
12             'Transmission': 'Manual',
13             'Odometer': '34k',
14             'Details': 'Fresh in & out',
15             'url' : 'https://i.postimg.cc/yxJK52sm/19WigoG.jpg'
16         },
17         {
18             'Name': '2019 Toyota Wigo TRD',
19             'Transmission': 'Automatic ',
20             'Odometer': '37k',
21             'Details': 'W/ navigation system, Fresh in & out',
22             'url' : 'https://i.postimg.cc/7LWwVxyH/19-Wigo-TRD.jpg'
23         }
24     ],
25     'Sedan': [
26         {
27             'Name': '2015 Toyota Vios J',
28             'Transmission': 'Manual',
29             'Odometer': '49k',
30             'Details': 'Upgraded engine, Full sound set-up, Touch screen head unit and mags',
31             'url' : 'https://i.postimg.cc/WzVc4tv4/15Vios.jpg'
32         },
```

```
33         {
34             'Name': '2014 Toyota Vios J',
35             'Transmission': 'Manual',
36             'Odometer': '102k',
37             'Details': 'All-powered, Front and rear dashcam, complete set-up',
38             'url' : 'https://i.postimg.cc/KzfHxrvr/14Vios.jpg'
39         },
40         {
41             'Name': '1999 Honda Civic LXi',
42             'Transmission': 'Manual',
43             'Odometer': '143k',
44             'Details': 'Carbon Hood, Loud exhaust, New mags & tires',
45             'url' : 'https://i.postimg.cc/fTmn9cLR/99Civic.jpg'
46         },
47         {
48             'Name': '2006 Mercedes Benz SLK 350',
49             'Transmission': 'Automatic',
50             'Odometer': '30k',
51             'Details': 'V6 engine, Hard top roof, Luxury car',
52             'url' : 'https://i.postimg.cc/g0RZ9BkP/06SLk.jpg'
53         }
54     ],
55     'Truck': [
56         {
57             'Name': '2014 Toyota Hilux G',
58             'Transmission': 'Automatic',
59             'Odometer': '105k',
60             'Details': 'Rollbar w/ luggage rack, Fender flares, Mags',
61             'url' : 'https://i.postimg.cc/sfHYCY6n/14Hilux.jpg'
62         },
63         {
64             'Name': '2008 Mitsubishi Strada GLX',
65             'Transmission': 'Manual',
66             'Odometer': '95k',
67             'Details': 'Mags, Fender Flares, Rollbar',
68             'url' : 'https://i.postimg.cc/7LQ6sF2V/08Strada.jpg'
```

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```
{
  'Name': '2013 Ford Ranger XLT',
  'Transmission': 'Manual',
  'Odometer': '130k',
  'Details': 'Touch screen head unit, Mags',
  'url' : 'https://i.postimg.cc/nz1wV2cX/13Ranger.jpg'
},
{
  'Name': '2019 Nissan Navara EL',
  'Transmission': 'Manual',
  'Odometer': '51k',
  'Details': 'Front & read bullbar, Rollbar w/ lights, Roofrack w/ luggage rack, Fender flares, Mags',
  'url' : 'https://i.postimg.cc/7Ln9S6vc/19Navara.jpg'
},
{
  'Name': '2015 Ford Ranger XLT',
  'Transmission': 'Manual',
  'Odometer': '43k',
  'Details': 'Carryboy campershell, New mags & tires',
  'url' : 'https://i.postimg.cc/tRYwPLk5/15Ranger.jpg'
}
],
'SUV': [
  {
    'Name': '2015 Toyota Fortuner Black Series',
    'Transmission': 'Manual',
    'Odometer': '97k',
    'Details': 'Front dashcam, Fresh in & out',
    'url' : 'https://i.postimg.cc/ZqMvdt73/15-Fortuner-BS.jpg'
  },
  {
    'Name': '2017 Toyota Innova J',
    'Transmission': 'Manual',
    'Odometer': '69k',
    'Details': 'All-powered, Fresh in & out',
    'url' : 'https://i.postimg.cc/QdK23pL3/17Innova.jpg'
  },
  {
    'Name': '2012 Toyota Fortuner V 4x4',
    'Transmission': 'Automatic',
    'Odometer': '85k',
    'Details': 'New mags & tires, Fresh in & out',
    'url' : 'https://i.postimg.cc/VsT4c2ZJ/12-Fortuner.jpg'
  },
  {
    'Name': '2011 Toyota Innova E',
    'Transmission': 'Manual',
    'Odometer': '81k',
    'Details': 'New tires, Fresh in & out',
    'url' : 'https://i.postimg.cc/7hGLr5wQ/245608140-137556041945230-8652986365943991661-n.jpg'
  },
  {
    'Name': '2014 Mitsubishi Montero GLX',
    'Transmission': 'Automatic',
    'Odometer': '61k',
    'Details': 'Topload carrier, Fender flares, Complete setup',
    'url' : 'https://i.postimg.cc/4xtX5CxV/14-Montero-GLX.jpg'
  },
  {
    'Name': '2013 Mitsubishi Montero GLSV',
    'Transmission': 'Automatic',
    'Odometer': '91k',
    'Details': 'Top of the line w/ paddle shift, Fresh in & out',
    'url' : 'https://i.postimg.cc/W4hCngnK/13-Montero.jpg'
  },
  {
    'Name': '2016 Mitsubishi Adventure GLX',
    'Transmission': 'Manual'
  }
]
```

```
{
  'Name': '2013 Mitsubishi Montero GLSV',
  'Transmission': 'Automatic',
  'Odometer': '91k',
  'Details': 'Top of the line w/ paddle shift, Fresh in & out',
  'url' : 'https://i.postimg.cc/W4hCngnK/13-Montero.jpg'
},
{
  'Name': '2016 Mitsubishi Adventure GLX',
  'Transmission': 'Manual',
  'Odometer': '39k',
  'Details': 'New tires, Fresh in & out',
  'url' : 'https://i.postimg.cc/jjDq7WJq/16-Adventure.jpg'
}
]
```

TEMPLATES

Filename: index.html

This html file contains format for the car types listed (through button type) in the home page.

```
1  {% extends 'base.html' %}
2
3  {% block content %}
4  <div class="container-fluid">
5    
6    </a>
7  </div>
8  <h1> Hello! </h1>
9  <p>Browse through the links below to find the car that fits for you!</p>
10 <button type="button" class="btn btn-outline-secondary btn-lg"><a href='/cars/Hatchback'>HATCHBACK</a></button>
11 <button type="button" class="btn btn-outline-success btn-lg"><a href='/cars/Sedan'>SEDAN</a></button>
12 <button type="button" class="btn btn-outline-danger btn-lg"><a href='/cars/Truck'>TRUCK</a></button>
13 <button type="button" class="btn btn-outline-warning btn-lg"><a href='/cars/SUV'>SUV</a></button>
14 {% endblock %}
```

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Filename: cars.html

This html file contains format for the car types listed (through button type) in the home page.

```
1  {% extends 'base.html' %}
2
3  {% block content %}
4  <h1>List of {{ car_type_template }}</h1>
5  <ul>
6      {% for list in cars_template %}
7      <li><a href="/cars/{{ car_type_template }}/{{ loop.index0 }}">{{ list['Name'] }}</a></li>
8      {% endfor %}
9  </ul>
10 {% endblock %}
```

Filename: base.html

This html file contains format for the webpage design, navigations and javascript.

- Lines 14-18 : indicated margin.

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-6Lh1TQ81RABdZL16O3oVMwSktQOp6b7In1Zl3/J
8      <link rel="stylesheet" href="{{ url_for('static',filename='css/style.css') }}">
9      <title>JJJ CAR DEALER</title>
10 </head>
11 <body>
12     {% include 'nav.html' %}
13
14     <div class="m-4">
15         {% block content %}
16         <h1>This is where the content is</h1>
17         {% endblock %}
18     </div>
19
20     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AgPfdkMBDXo30jS1Sgez6pr3X5MlQ1ZAGC+nuzB+EYdgRZg
21 </body>
22 </html>
```

Filename: nav.html

This html file contains format for the webpage design, navigations and javascript.

```
1  <nav class="navbar navbar-expand-lg bg-secondary">
2      <div class="container-fluid">
3          <a class="navbar-brand" href="/">
4              
5          </a>
6      </div>
7  </nav>
```

Filename: kotse.html

This html file contains format for the details of the car.

```
1  {% extends 'base.html' %}
2
3  {% block content %}
4  <h1> {{ car_profile.Name }} </h1>
5  
6  <ul>
7      {% if car_profile.Transmission == "" %}
8      <li>Transmission: No data available</li>
9      {% else %}
10     <li>Transmission: {{ car_profile.Transmission }} </li>
11     {% endif %}
12     {% if car_profile.Odometer == "" %}
13     <li>Odometer: No data available</li>
14     {% else %}
15     <li>Odometer: {{ car_profile.Odometer }}</li>
16     {% endif %}
17     {% if car_profile.Details == "" %}
18     <li>Details: No data available</li>
19     {% else %}
20     <li>Details: {{ car_profile.Details }}</li>
21     {% endif %}
22 </ul>
23 {% endblock %}
```

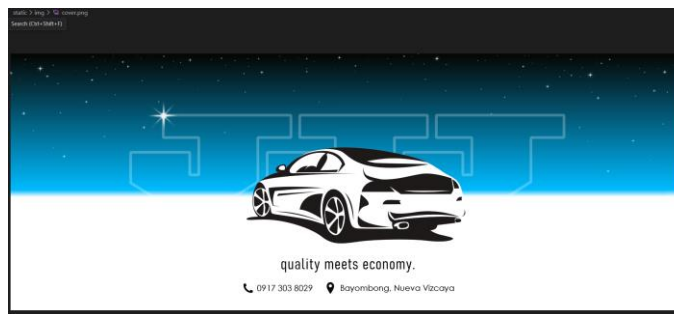
Filename: style.css

Files that contains codes for designing the Font page.

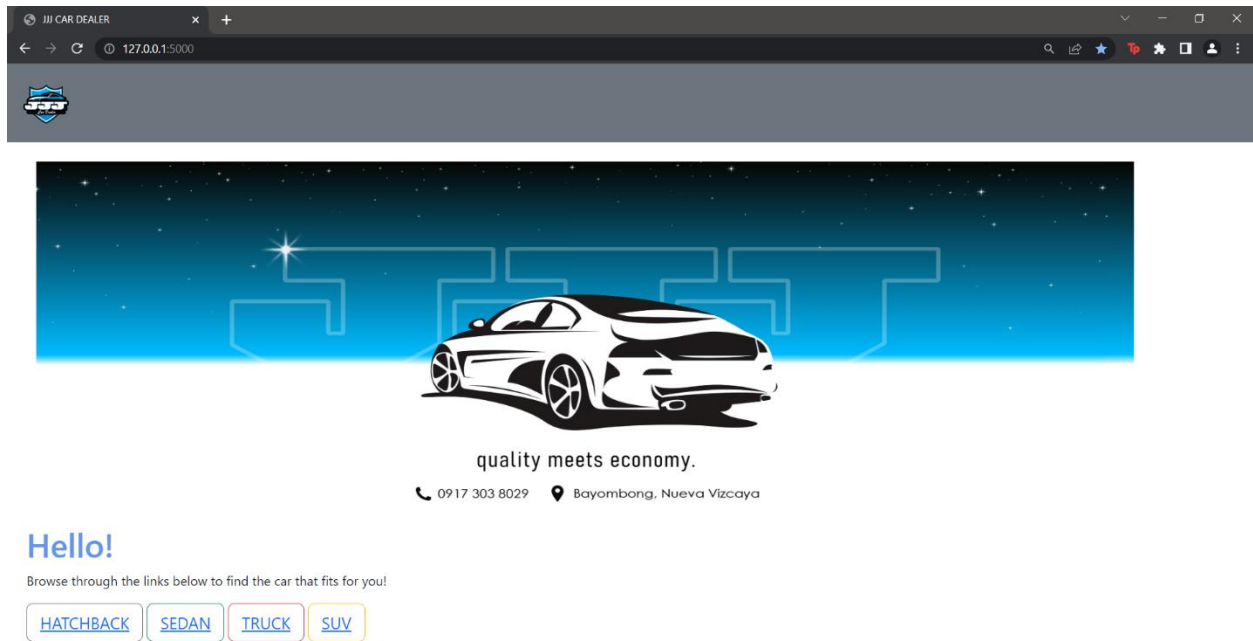
```
static > css > # style.css > h1
1  {
2      color: cornflowerblue;
3  }
```

Filename: cover.png

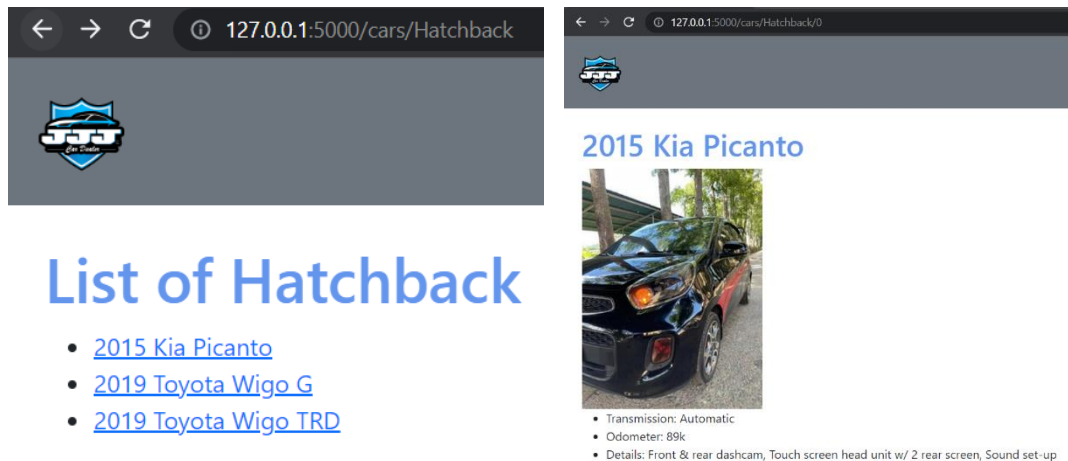
Image document source for the homepage's cover picture.



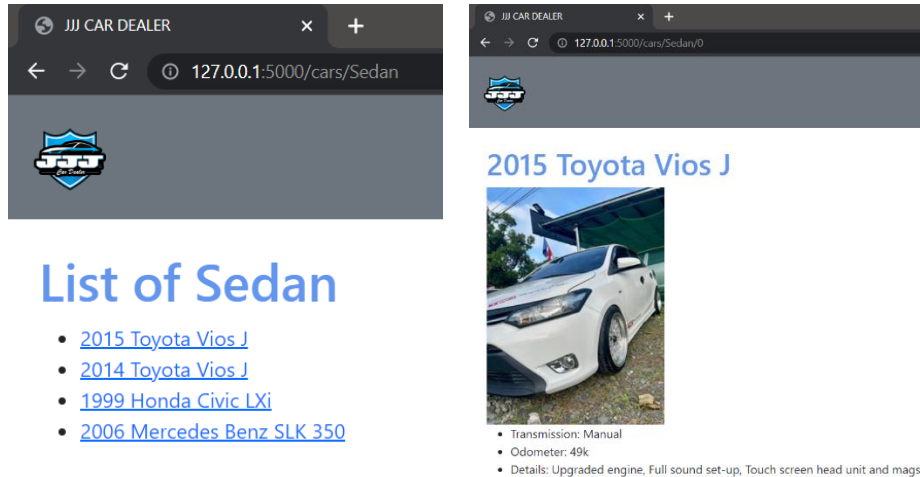
HOME PAGE VIEW



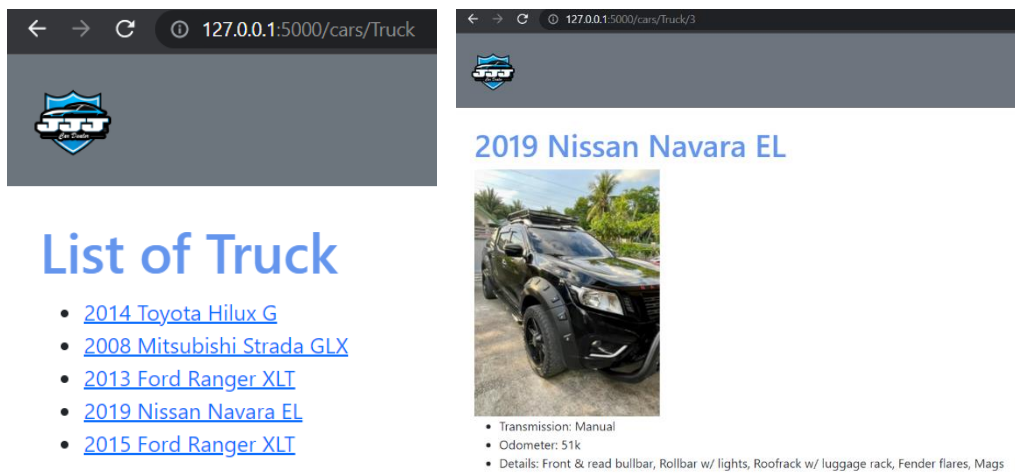
>>This web interface will show if “HATCHBACK” button is clicked.



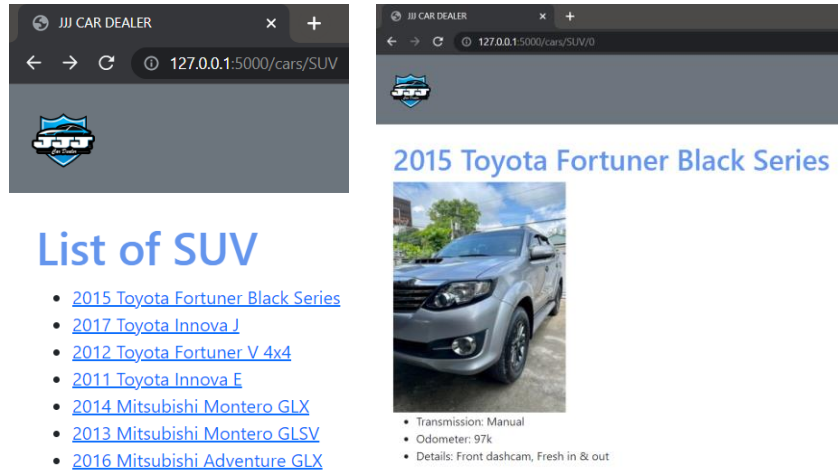
>>This web interface will show if “SEDAN” is clicked.



>>This web interface will show if “TRUCK” is clicked.



>>This web interface will show if “SUV” is clicked.



RUN THE CODES:

```
(Car_Sale) PS C:\Users\Asus\JEM\LIS161\Car_Sale> & c:/Users/Asus/JEM/LIS161/Car_Sale/Scripts/python.exe c:/Users/Asus/JEM/LIS161/Car_Sale/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://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 851-505-581
```

Link: <http://127.0.0.1:5000>