Flask – app.py

```python
    Penile_Oedema = request.form['Penile Oedema']
    if(Penile_Oedema=='Yes'):
        Penile_Oedema=1
    else:
        Penile_Oedema=0
    Oral_Lesions = request.form['Oral Lesions']
    if(Oral_Lesions=='Yes'):
        Oral_Lesions=1
    else:
        Oral_Lesions=0
    Sore_Throat = request.form['Sore Throat']
    if(Sore_Throat=='Yes'):
        Sore_Throat=1
    else:
        Sore_Throat=0
    Rectal_Pain = request.form['Rectal Pain']
    if(Rectal_Pain=='Yes'):
        Rectal_Pain=1
    else:
        Rectal_Pain=0
    HIV_Infection = request.form['HIV Infection']
    if(HIV_Infection=='Yes'):
        HIV_Infection=1
    else:
        HIV_Infection=0
    Sexually_Transmitted_Infection= request.form['Sexually Transmitted Infection']
    if(Sexually_Transmitted_Infection=='Yes'):
        Sexually_Transmitted_Infection=1
```

```python
app.py > ⬡ Home
 1    from flask import Flask, render_template, request
 2    # import jsonify
 3    # import requests
 4    import pickle
 5    import numpy as np
 6    import sklearn
 7    from sklearn.preprocessing import StandardScaler
 8    app = Flask(__name__)
 9    model = pickle.load(open('Model_pox.pkl', 'rb'))
10    @app.route('/')
11    def Home():
12        return render_template('index.html')
13
14    @app.route("/predict", methods=['GET','POST'])
15    def predict():
16        if request.method== 'POST':
17
18            Swollen_Tonsils = request.form['Swollen Tonsils']
19            if(Swollen_Tonsils=='Yes'):
20                Swollen_Tonsils=1
21            else:
22                Swollen_Tonsils=0
23            Solitary_Lesion = request.form['Solitary Lesion']
24            if(Solitary_Lesion=='Yes'):
25                Solitary_Lesion=1
26            else:
27                Solitary_Lesion=0
28            Penile_Oedema = request.form['Penile Oedema']
29            if(Penile_Oedema=='Yes'):
```

```python
58          Sys_Ill= request.form['Systemic Illness']
59          if(Sys_Ill=='Fever'):
60              Fever=1
61              Pains=0
62              Lymph_Nodes=0
63          elif(Sys_Ill=='Muscle Aches and Pain'):
64              Fever=0
65              Pains=1
66              Lymph_Nodes=0
67          elif(Sys_Ill=='Swollen Lymph Nodes'):
68              Fever=0
69              Pains=0
70              Lymph_Nodes=1
71          else:
72              Fever=0
73              Pains=0
74              Lymph_Nodes=0
75          prediction=model.predict([[Rectal_Pain,Sore_Throat,Penile_Oedema,Oral_Lesions,Solitary_Lesion,Swol
76          print(prediction)
77
78          if prediction[0]==0:
79              return render_template('index.html',prediction_texts="Congratulations you dont have any monkey
80          else:
81              return render_template('index.html',prediction_texts="Sorry you are like to have Monkey-pox pl
82      else:
83          return render_template('index.html')
84
85  if __name__=="__main__":
86      app.run(debug=True)
```
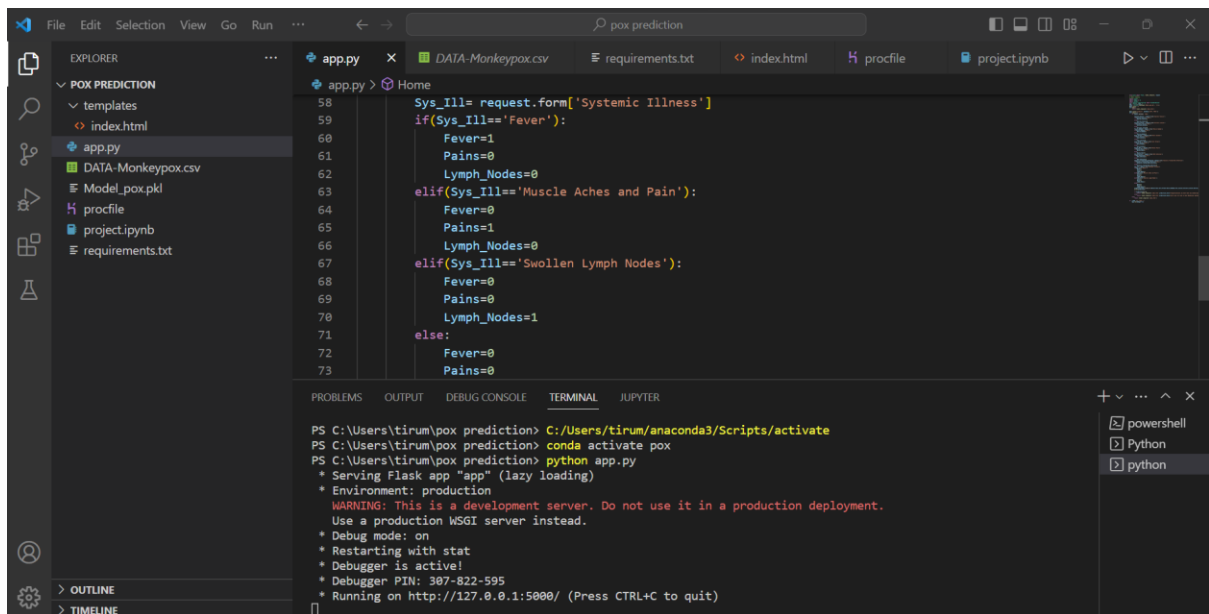
HTML code

```html
6          <meta name="viewport" content="width=device-width, initial-scale=1.0">
7          <title>Document</title>
8      </head>
9
10  <body>
11
12      <div style="color: blue">
13          <form action="{{ url_for('predict')}}" method="post">
14              <h3>Systemic Illness</h3><br><select name="Systemic Illness" id="Systemic Illness" required="r
15                  <option value="Fever">Fever</option>
16                  <option value="Muscle Aches and Pain">Muscle Aches and Pain</option>
17                  <option value="Swollen Lymph Nodes">Swollen Lymph Nodes</option>
18                  <option value="None">None</option>
19              </select>
20              <h3>Rectal Pain</h3><br><select name="Rectal Pain" id="Rectal Pain" required="required">
21                  <option value="Yes">Yes</option>
22                  <option value="No">No</option>
23              </select>
24              <h3>Sore Throat</h3><br><select name="Sore Throat" id="Sore Throat" required="required">
25                  <option value="Yes">Yes</option>
26                  <option value="No">No</option>
27              </select>
28              <h3>Penile Oedema</h3><br><select name="Penile Oedema" id="Penile Oedema" required="required">
29                  <option value="Yes">Yes</option>
30                  <option value="No">No</option>
31              </select>
32              <h3>Oral Lesions</h3><br><select name="Oral Lesions" id="Oral Lesions" required="required">
33                  <option value="Yes">Yes</option>
34                  <option value="No">No</option>
```
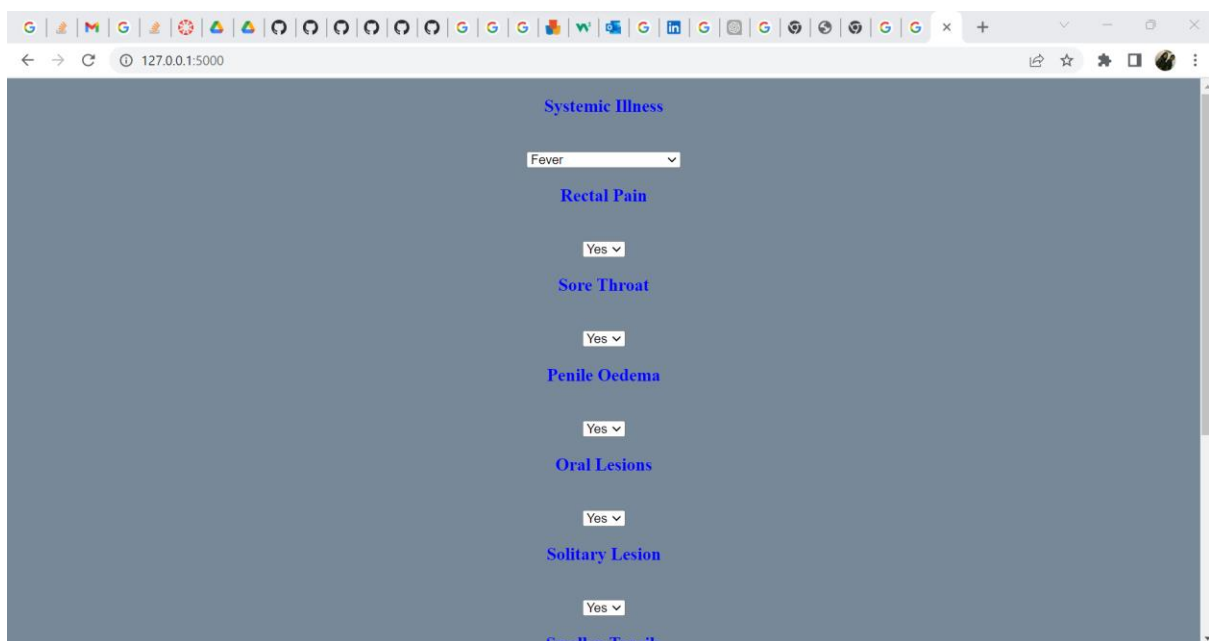
Executing app.py file in terminal and got local url test

Application in local

Oral Lesions

Yes ▾

Solitary Lesion

Yes ▾

Swollen Tonsils

Yes ▾

HIV Infection

Yes ▾

Sexually Transmitted Infection

Yes ▾

Submit

Sorry you are like to have Monkey-pox please check with doctor