6.1 Source code

```
# -*- coding: utf-8 -*-
from flask import Flask, render_template,
request import numpy as np
import pandas
as pd
import joblib
app=FIask(_na
me__)
_@app.route('/'
)
def index():
    return
render_template('login.html')
@app.route("/signup")
def signup():
    name=request.args.get('username
    1)
    mail = request.args.get('mail1',")
    password =
    request.args.get('password1',") if
    len(name) == 0 and len(password)
    == 0:
        return
    render_template("login.html")
    else:
```

```
        return
render_template("login.html")
@app.route("/signin")
def signin():
    mail1 =
    request.args.get('username','')
    password1 =
    request.args.get('password','') if
    len(mail1) == 0 and len(password1)
    == 0:
        return render_template("login.html")

    else:
        return render_template("index.html")
@app.route('/predict', methods=['GET',
'POST']) def predict():
    if request.method ==
        'POST': try:
            Time =
            float(request.form['Time'])
            V1 =
            float(request.form['V1'])
            V2 =
            float(request.form['V2'])
            V3 =
            float(request.form['V3'])
            V4 =
            float(request.form['V4'])
            V5 =
```

```
float(request.form['V5'])
V6 =
float(request.form['V6'])
V7 =
float(request.form['V7'])
V8 =
float(request.form['V8'])
V9 =
float(request.form['V9'])
V10 =
float(request.form['V10']
) V11 =
float(request.form['V11']
) V12 =
float(request.form['V12']
) V13 =
float(request.form['V13']
) V14 =
float(request.form['V14']
) V15 =
float(request.form['V15']
) V16 =
float(request.form['V16']
) V17 =
float(request.form['V17']
) V18 =
float(request.form['V18']
) V19 =
float(request.form['V19']
```

```
) V20 =
float(request.form['V20']
) V21 =
float(request.form['V21'}
)

V22 =
float(request.form['V22']
) V23 =
float(request.form['V23']
) V24 =
float(request.form['V24']
) V25 =
float(request.form['V25']
) V26 =
float(request.form['V26']
) V27 =
float(request.form['V27']
) V28 =
float(request.form['V28']
)
Amount = float(request.form['Amount'])
# Now we will create the list in order to pass the value to the
model pred_args = [Time, V1, V2, V3, V4, V5, V6, V7, V8,
V9, V10, V11, \
        V12, V13, V14, V15, V16, V17, V18, V19,V20,
        V21, V22,\ V23, V24, V25, V26, V27, V28,
        Amount]
```

```
        pred_agrs_arr = np.array(pred_args)
        pred_agrs_arr =
        pred_agrs_arr.reshape(1,-1) ml_rdm_frt
        = open("Random_forest.pkl", "rb")
        ml_model = joblib.load(ml_rdm_frt)
        model_prediction =
        ml_model.predict(pred_agrs_arr)
        model_prediction = int(model_prediction)
    except Value Error:
        return "Please check if the values are entered correctly"
  return render_template('predict.html', prediction = model_prediction)
@app.route("/home")
def home():
  # return the homepage
  return
render_template("index.html")
@app.route("/Image_Processing")
def image():
  # return the homepage
  return
render_template("image.html")
@app.route("/Model")
def model():
  # return the homepage
  return
render_template("model.html")
if __name__ == '__main__':
  app.run()
```