Deploying a Model

Name: Aletia Trepte Batch: LISUM11: 30 Date: 07/28/2022 To: Glacier Data

Readme file

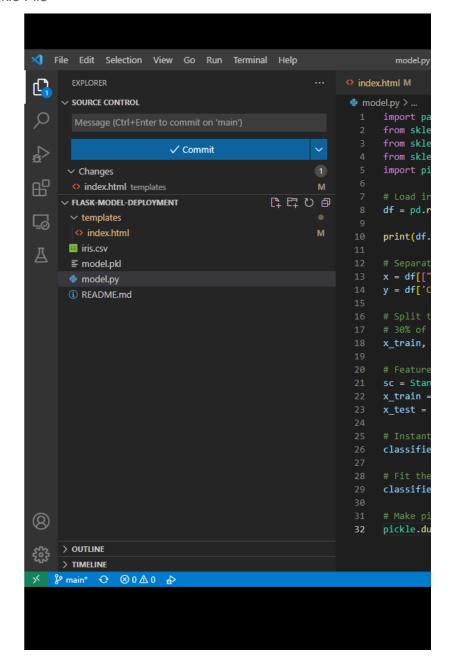
Iris dataset

```
■ iris.csv
                           X 🍖 model.py
                                                                ③ README.
■ iris.csv
      "Sepal_Length", "Sepal_Width", "Petal_Length", "Petal_Width", "Class"
      5.1,3.5,1.4,.2,"Setosa"
      4.9,3,1.4,.2,"Setosa"
      4.6,3.1,1.5,.2,"Setosa'
      5.4,3.9,1.7,.4,"Setosa"
     4.6,3.4,1.4,.3,"Setosa"
     5,3.4,1.5,.2, "Setosa"
    4.4,2.9,1.4,.2,"Setosa"
     4.9, 3.1, 1.5, .1, "Setosa"
     4.8,3.4,1.6,.2, "Setosa"
    4.8,3,1.4,.1, "Setosa"
    5.8,4,1.2,.2, "Setosa"
    5.7,4.4,1.5,.4,"Setosa"
      5.1,3.8,1.5,.3,"Setosa'
      5.4,3.4,1.7,.2, "Setosa"
      4.6,3.6,1,.2, "Setosa"
      4.8,3.4,1.9,.2, "Setosa"
```

Index.html

model.py

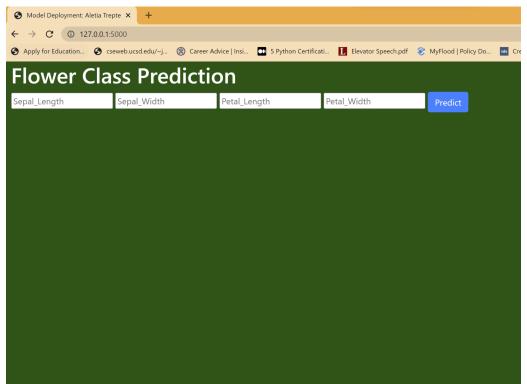
```
indexx.html
             iris.csv
                            🕏 model.py 🗙 💆 app.py
   from sklearn.preprocessing import StandardScaler
   from sklearn.model_selection import train_test_split
   import pickle
    df = pd.read_csv('iris.csv')
   print(df.head())
   # Separate independent and dependent variables
   x_train, x_test, y_train, y_test = train_test_split(x, y, test_size=0.3, random_state=50)
   # Feature Scaling
   sc = StandardScaler()
    x_train = sc.fit_transform(x_train)
    x_test = sc.transform(x_test)
    classifier = RandomForestClassifier()
    # Fit the model
    pickle.dump(classifier, open('model.pkl', 'wb'))
       OUTPUT DEBUG CONSOLE TERMINAL
```



Deploying the model

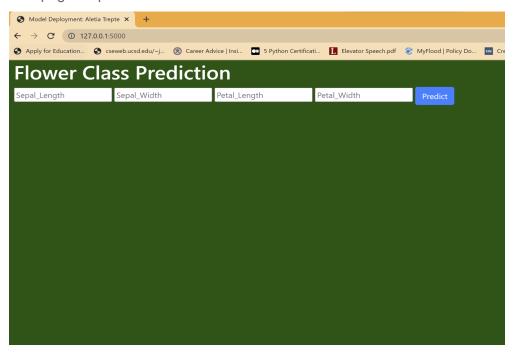
app.py

Browser



```
11
      # load Pickle model
 12
      model = pickle.load(open("model.pkl", "rb"))
 13
          OUTPUT
                  DEBUG CONSOLE
PROBLEMS
                                 TERMINAL
                                           JUPYTER
   336fb77..4e65de7 main -> main
C:\Users\nunto\Flask\model-deployment\Flask-Model-Deployment>python app.py
* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)
 * Restarting with stat
 * Debugger is active!
* Debugger PIN: 115-590-296
```

Web page output



Get prediction

