

```
Import flask

From flask import request, render_template

From flask_cors import CORS

Import joblib

Import pandas as pd

From xgboost import XGBRegressor

App = flask.Flask(__name__, static_url_path='')

CORS(app)


@app.route('/', methods=['GET'])

Def sendHomePage():

    Return render_template('index.html')


@app.route('/predict', methods=['POST'])

Def predictSpecies():

    Ws = float(request.form['ws'])

    Wd = float(request.form['wd'])


    X = [[ws,wd]]

    Xgr=XGBRegressor()

    Df = pd.DataFrame(X, columns=['WindSpeed(m/s)', 'WindDirection'])

    Xgr.load_model('static/model/test_model.bin')

    Result = xgr.predict(df)[0]

    Print(result)

    Return render_template('predict.html',predict=result)


If __name__ == '__main__':

    App.run()
```