

Build the Python Flask app:

```
app = Flask(__name__)
##session key
app.secret_key = 'abcdef'
#####
UPLOAD_FOLDER = 'static/upload'
ALLOWED_EXTENSIONS = { 'csv' }
app.config['UPLOAD_FOLDER'] = UPLOAD_FOLDER
#####
@app.route('/', methods=['GET', 'POST'])
def index():
    msg=""

    if request.method=='POST':
        uname=request.form['uname']
        pwd=request.form['pass']
        cursor = mydb.cursor()
        cursor.execute('SELECT * FROM admin WHERE username = %s AND password = %s', (uname, pwd))
        account = cursor.fetchone()
        if account:
            session['username'] = uname
            return redirect(url_for('admin'))
        else:
            msg = 'Incorrect username/password!'
    return render_template('index.html',msg=msg)
```

Predicting the Energy Output of Wind Turbines

HOME LOGOUT

Gearbox Temperature

Engine Temperature

Generator Temperature

Atmospheric Pressure

Area Temperature

Wind Direction

Turbine Status

Cloud Level

A

Extremely Low

Test

Wind Turbine Prediction

Wind Mill Generated Power: 6.766520694736843 (kW/h)

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Predicting the Energy Output of

localhost:5000/test_data

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