

Build Python Code

1. Import the libraries

```
1
2
3 import re
4 import numpy as np
5 import os
6 from flask import Flask, app,request,render_template
7 import sys
8 from flask import Flask, request, render_template, redirect, url_for
9 import argparse
10 from tensorflow import keras
11 from PIL import Image
12 from timeit import default_timer as timer
13 import test
14 from pyngrok import ngrok
15 import pandas as pd
16 import numpy as np
17 import random
18
19 from cloudant.client import Cloudant
20
21
```

2. URL view in flask app

```

37
38
39 @app.route("/")
40 def index():
41     return render_template("index.html")
42
43 @app.route("/login", methods=['GET', 'POST'])
44 def login():
45     if request.method == "GET":
46         return render_template("login.html")
47     else:
48         user = request.form['username']
49         passw = request.form['password']
50
51         query = {'_id': {'$eq': user}, 'psw' : {'$eq' : passw}}
52
53         docs = my_database.get_query_result(query)
54         print(docs)
55         print(len(docs.all()))
56
57         if(len(docs.all())==0):
58             return render_template('login.html', pred="The username is not fo
59         else:
60             return redirect(url_for('prediction'))
61
62 @app.route("/register", methods=['GET', 'POST'])
63 def register():
64     if request.method == "GET":
65         return render_template("register.html")
66     else:
67         x = [x for x in request.form.values()]
68         print(x)
69         data = {
70             '_id': x[1], # Setting _id is optional
71             'name': x[0],
72             'psw':x[2]
73         }
74         print(data)

```

3. Main implementation

```

97
98     if __name__ == "__main__":
99         app.run(debug=False)

```

4. Render HTML files

