

Project Development Phase

Sprint-3 Test Cases

TEAM ID	PNT2022TMID36512
PROJECT NAME	VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	8 Marks

```
1 import re
2 import numpy as np
3 from flask import Flask, app, request, render_template, redirect, url_for
4 from tensorflow.keras.models import load_model
5 from tensorflow.keras.preprocessing import image
6 from tensorflow.python.ops.gen_array_ops import concat
7 import cvlib as cv
8 from cvlib.object_detection import draw_bbox
9 import cv2
10 import time
11 from playsound import playsound
12 import requests
13
14 # Loading the model
15
16 from cloudant.client import Cloudant
17
18 # Authenticate using an IAM API key
19 client = Cloudant('5f7444d5-dfbd-4fcb-b752-dea54085c3cc-bluewin', 'http://cloudant@us-south1.cloudant.com:3000', connect=True)
20
21 # Create a database using an initialized client
22 my_database = client.create_database('my_database')
23
24 app = Flask(__name__)
25
26 # Default home page or route
27 @app.route('/')
28 def index():
29     return render_template('index.html')
30
31 @app.route('/index.html')
32 def home():
33     return render_template('index.html')
34
35 # Registration page
36 @app.route('/register')
37 def register():
38     return render_template('register.html')
39
40 @app.route('/afterreg', methods=['POST'])
41 def afterreg():
42     x = [x for x in request.form.values()]
43     print(x)
44     data = {
45         '_id': x[1], # Setting _id is optional
46         'name': x[0],
47         'pass': x[2]
48     }
49     print(data)
50     query = {'_id': {'$eq': data['_id']}}
51     docs = my_database.get_query_result(query)
52     print(docs)
```



