Application Building

Run the application Code

Date	17 November 2022
Team ID	PNT2022TMID49453
Project Name	VirtualEye - Life Guard For Swimming Pools To Detect Active Drowning
Maximum Marks	8 Marks

app.py :

```python
  # import necessary packages
import cvlib as cv
from cvlib.object_detection import draw_bbox
# import necessary packages
from flask import Flask, render_template, request,redirect,url_for
import requests
import os
from sys import exit
import cvlib as cv
import cv2
import time
import numpy as np
import math
import argparse
import playsound
from cloudant.client import Cloudant
client = Cloudant.iam(
    '07c5a12f-84fd-49c6-bbfa-de80bd989d12-bluemix','Rnz_zCc7hN5Lb5uRHaxn-
WrlN9yqbtz4QKlFVZ4ETZpk',connect=True)
_id= 'name'
name= 'a@b.c'
psw = '123'
my_database = client.create_database('my_database')

app = Flask(__name__)

@app.route('/')
def index():
    return render_template('index.html')

@app.route('/login')
def login():  # put application's code here
    return render_template('login.html')


@app.route('/register')
def register():
    return render_template('register.html')
```

```python
@app.route('/home')
def home():
    return render_template('index1.html')

@app.route('/afterlogin',methods=['POST'])
def afterlogin():
    user= request.form['_id']
    passw= request.form['psw']
    print(user,passw)
    query = {'_id':{'$eq':user}}
    docs = my_database.get_query_result(query)
    print(docs)
    print(len(docs.all()))
    if(len(docs.all())==0):
        return render_template('login.html', pred=" the username is not found.")
    else:
        if((user==docs[0][0]['_id'] and passw==docs[0][0]['psw'])):
            return redirect(url_for('index1.html'))
        else:
            print('Invalid User')

@app.route('/afterreg', methods=['POST'])
def afterreg():
    x = [x for x in request.form.values()]
    print(x)
    data={
    '_id':x[1],
    'name':x[0],
    'psw':x[2],
    }
    print(data)

    query = {'_id': {'$eq': data['_id']}}

    docs = my_database.get_query_result(query)
    print(docs)

    print(len(docs.all()))
    if(len(docs.all())==0):
        url=my_database.create_document(data)
        return render_template('register.html')
    else:
        return render_template('register.html')


@app.route('/step2')
def step2():

    print("Begin")

    webcam = cv2.VideoCapture("garden.mp4")
    padding = 20

    if not webcam.isOpened():
        print("Could not open webcam")
        exit()
```

```python
    t0 = time.time() #gives time in seconds after 1970
    #print('t0=',t0)
#variable dcount stands for how many seconds the person has been standing still for
    centre0 = np.zeros(2)
    isDrowning = False

#this loop happens approximately every 1 second, so if a person doesn't move,
#or moves very little for 10seconds, we can say they are drowning

# loop through frames
    while webcam.isOpened():

    # read frame from webcam
        status, frame = webcam.read()

        if not status:
            break
    #small_frame = cv2.resize(frame,(0,0),fx = 0.5,fy = 0.5)
    # apply object detection
        bbox, label, conf = cv.detect_common_objects(frame, confidence=0.25, model='yolov3-tiny')

        print(bbox, label, conf)


        if(len(bbox)>0):
            bbox0 = bbox[0]
        #centre = np.zeros(s)
            centre = [0,0]


        #for i in range(0, len(bbox)):
            #centre[i] =[(bbox[i][0]+bbox[i][2])/2,(bbox[i][1]+bbox[i][3])/2 ]

            centre =[(bbox0[0]+bbox0[2])/2,(bbox0[1]+bbox0[3])/2 ]

        #make vertical and horizontal movement variables
            hmov = abs(centre[0]-centre0[0])
            vmov = abs(centre[1]-centre0[1])

        #there is still need to tweek the threshold
        #this threshold is for checking how much the centre has moved

            x=time.time()

            threshold = 10
            #print("hmov=",hmov)
            if(hmov>threshold or vmov>threshold):
                print(x-t0, 'sif')
                t0 = time.time()
                isDrowning = False

            else:
                print(x-t0, 'selse')
                if((time.time() - t0) > 10):
                    isDrowning = True
```

```python
            print('bbox: ', bbox, 'centre:', centre, 'centre0:', centre0)
            print('Is he/she drowning: ', isDrowning)
                #print('End of the program')


            centre0 = centre
            # draw bounding box over detected objects
            # draw bounding box over detected objects
          out = draw_bbox(frame, bbox, label, conf, write_conf=True)
            # display output
          cv2.imshow("Real-time object detection", out)
          if(isDrowning == True):
             webcam.release()
             cv2.destroyAllWindows()
             return render_template('index1.html', prediction_text = "1")
      # press "Q" to stop
        if cv2.waitKey(1) & 0xFF == ord('q'):
            break

# release resources
    webcam.release()
    cv2.destroyAllWindows()
if __name__ == '__main__':
        app.run(debug=True)
```

Index.html(Before prediction):

```html
<!DOCTYPE html>
<html lang="en">

  <head>

    <meta charset="utf-8">
    <meta name="author" content="templatemo">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&display=
swap" rel="stylesheet">

    <title>Drowning Detection</title>

    <!-- Bootstrap core CSS -->

    <link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css') }}"
/>
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
    <link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"
/>

  </head>
```

```html
<body>

  <!-- ***** Preloader Start ***** -->
  <div id="js-preloader" class="js-preloader">
    <div class="preloader-inner">
      <span class="dot"></span>
      <div class="dots">
        <span></span>
        <span></span>
        <span></span>
      </div>
    </div>
  </div>
  <!-- ***** Preloader End ***** -->
```

```html
<!-- ***** Header Area Start ***** -->
<header class="header-area header-sticky">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <nav class="main-nav">
          <!-- ***** Logo Start ***** -->
          <a href="index.html" class="logo">
           <img src="{{ url_for('static', filename='images/Untitled.png') }}" alt="">
          </a>
          <!-- ***** Logo End ***** -->
          <!-- ***** Menu Start ***** -->
          <ul class="nav">
            <li><a href="/" class="active">Home</a></li>
            <li><a href="/login">Sign In</a></li>
            <li><a href="/register">Sign Up</a></li>
            <li><a href="/login">Drown Detect</a></li>
          </ul>
          <a class='menu-trigger'>
            <span>Menu</span>
          </a>
          <!-- ***** Menu End ***** -->
        </nav>
      </div>
    </div>
  </div>
</header>
<!-- ***** Header Area End ***** -->

<!-- ***** Main Banner Area Start ***** -->
<div class="main-banner">
  <div class="container">
    <div class="row">
      <div class="col-lg-6 align-self-center">
        <div class="header-text">
          <h6>Let's Start.</h6>
          <h2>Drowning Detection</h2>
          <p>It is an active drowning detection system using artificial intelligence.</p>
          <div class="buttons">
          <div class="main-button">
            <a href="/login">Detect</a>
        </div>
        </div>
       </div>
      </div>
      <div class="col-lg-5 offset-lg-1">
        <div class="owl-banner owl-carousel">
         <div class="item">
          <img src="{{ url_for('static', filename='images/banner-01.png') }}" alt="">
         </div>
         <div class="item">
          <img src="{{ url_for('static', filename='images/banner-02.png') }}" alt="">
         </div>
        </div>
      </div>
    </div>
```

```
    </div>
  </div>
  <!-- ***** Main Banner Area End ***** -->




  <!-- Scripts -->
  <!-- Bootstrap core JavaScript -->
  <script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>
  <script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}" ></script>

  <script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>
  <script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

  <script src="{{ url_for('static', filename='js/tabs.js') }}"></script>
  <script src="{{ url_for('static', filename='js/popup.js') }}"></script>
  <script src="{{ url_for('static', filename='js/custom.js') }}"></script>

</body>
</html>
```

Index1.html(After prediction) :

```
<!DOCTYPE html>
<html lang="en">

  <head>

    <meta charset="utf-8">
    <meta name="author" content="templatemo">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&display=
swap" rel="stylesheet">

    <title>Drowning Detection</title>

    <!-- Bootstrap core CSS -->

    <link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css') }}"
/>
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
    <link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"
/>

  </head>

<body>
```

```html
<!-- ***** Preloader Start ***** -->
<div id="js-preloader" class="js-preloader">
  <div class="preloader-inner">
    <span class="dot"></span>
    <div class="dots">
      <span></span>
      <span></span>
      <span></span>
    </div>
  </div>
</div>
<!-- ***** Preloader End ***** -->

<!-- ***** Header Area Start ***** -->
<header class="header-area header-sticky">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <nav class="main-nav">
          <!-- ***** Logo Start ***** -->
          <a href="index.html" class="logo">
           <img src="{{ url_for('static', filename='images/Untitled.png') }}" alt="">
          </a>
          <!-- ***** Logo End ***** -->
          <!-- ***** Menu Start ***** -->
          <ul class="nav">
            <li><a href="/" >Home</a></li>
            <li><a href="/login">Sign In</a></li>
            <li><a href="/register">Sign Up</a></li>
            <li><a href="/home" class="active">Drown Detect</a></li>
          </ul>
          <a class='menu-trigger'>
            <span>Menu</span>
          </a>
          <!-- ***** Menu End ***** -->
        </nav>
      </div>
    </div>
  </div>
</header>
<!-- ***** Header Area End ***** -->

<!-- ***** Main Banner Area Start ***** -->
<div class="main-banner">
  <div class="container">
    <div class="row">
      <div class="col-lg-6 align-self-center">
        <div class="header-text">
          <h6>Let's Start.</h6>
          <h2>Drowning Detection</h2>
          <p>It is an active drowning detection system using artificial intelligence.</p>
          <div class="buttons">
          <div class="main-button">
            <a href="/step2">Detect</a>
          </div>
          </div>
```

```html
          </div>
        </div>
        <div class="col-lg-5 offset-lg-1">
          <div class="owl-banner owl-carousel">
            <div class="item">
              <img src="{{ url_for('static', filename='images/banner-01.png') }}" alt="">
            </div>
            <div class="item">
              <img src="{{ url_for('static', filename='images/banner-02.png') }}" alt="">
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
  <!-- ***** Main Banner Area End ***** -->



  <div class="currently-market">
    <div class="container">
      <div class="row">
        <div class="col-lg-6">
          <div class="section-heading">
            <div class="line-dec"></div>
            <h2><em>Current</em> Drowning Details.</h2>
          </div>
        </div>
        <div class="col-lg-12">
          <div class="row grid">
            <div class="col-lg-6 currently-market-item all msc">
              <div class="item">
                {% if prediction_text == "0" %}
                <h2>" The Person is Swimming "</h2>
                {% elif prediction_text == "1" %}
                <div class="left-image">
                  <img src="{{ url_for('static', filename='images/avatar.png') }}" alt="" style="border-radius:
20px; min-width: 195px;">
                </div>
                <div class="right-content">
                  <h4>1 Person Drowing</h4>
                </div>
              </div>
            </div>
          </div>
        </div>
        {% endif %}
      </div>
    </div>
  </div>

  <!-- Scripts -->
  <!-- Bootstrap core JavaScript -->
  <script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>
  <script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}" ></script>

  <script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>
```

```html
<script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

<script src="{{ url_for('static', filename='js/tabs.js') }}"></script>
<script src="{{ url_for('static', filename='js/popup.js') }}"></script>
<script src="{{ url_for('static', filename='js/custom.js') }}"></script>

</body>
</html>
```

Login.html

```html
<!DOCTYPE html>
<html lang="en">

  <head>

    <meta charset="utf-8">
    <meta name="author" content="templatemo">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&display=
swap" rel="stylesheet">

    <title>Drowning Detection</title>

    <!-- Bootstrap core CSS -->

    <link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/bootstrap.min.css') }}"
/>
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/style1.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css') }}"
/>
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
    <link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"
/>

  </head>

<body>

  <!-- ***** Preloader Start ***** -->
  <div id="js-preloader" class="js-preloader">
    <div class="preloader-inner">
      <span class="dot"></span>
      <div class="dots">
        <span></span>
        <span></span>
        <span></span>
      </div>
```

```html
      </div>
    </div>
    <!-- ***** Preloader End ***** -->

    <!-- ***** Header Area Start ***** -->
    <header class="header-area header-sticky">
      <div class="container">
        <div class="row">
          <div class="col-12">
            <nav class="main-nav">
              <!-- ***** Logo Start ***** -->
              <a href="index.html" class="logo">
               <img src="{{ url_for('static', filename='images/Untitled.png') }}" alt="">
              </a>
              <!-- ***** Logo End ***** -->
              <!-- ***** Menu Start ***** -->
              <ul class="nav">
                <li><a href="/" >Home</a></li>
                <li><a href="/login" class="active">Sign In</a></li>
                <li><a href="/register">Sign Up</a></li>
                <li><a href="/login">Drown Detect</a></li>
              </ul>
              <a class='menu-trigger'>
                <span>Menu</span>
              </a>
              <!-- ***** Menu End ***** -->
            </nav>
          </div>
        </div>
      </div>
    </header>
    <!-- ***** Header Area End ***** -->

    <!-- ***** Main Banner Area Start ***** -->
    <div class="main-banner">
      <div class="container">
        <div class="row">
          <div class="col-lg-6 align-self-center">
            <div class="header-text">
              <h6>Let's </h6>
              <h2>Sign In</h2>
              <p> Welcome You Back!</p>
            </div>
          </div>
          <div class="col-lg-6">
            <div class="owl-banner owl-carousel">
              <div class="col-md-11 col-md-offset-1">
                    <div class="booking-form">
                    <form class="form" method="post" action="/login_validation">
                     <div class="row">
                       <div class="col-md-12">
                          <div class="form-group">
                            <span class="form-label">Email</span>
                              <input type="email" class="form-control" name="email"
placeholder="Enter Your Email" required="true">
                              <span class="select-arrow"></span>
                          </div>
```

```html
                        </div>
                      </div>

                        <div class="row">
                          <div class="col-md-12">
                            <div class="form-group">
                              <span class="form-label">Password</span>
                                <input type="password" class="form-control" name="password"
placeholder="Enter Your Password" required="true">
                                <span class="select-arrow"></span>
                            </div>
                          </div>
                        </div>
                          <div class="form-btn">
                            <button class="submit-btn">Sign In</button>
                          </div>
                      <p class="mt-2" style="color:#000"> Not a member? <a href="/register">Create
Account</a> </p>
                        </form>

                </div>
                <!Booking form>
        </div>
      </div>
    </div>
  </div>
 <!-- ***** Main Banner Area End ***** -->



 <!-- Scripts -->
 <!-- Bootstrap core JavaScript -->
 <script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>
 <script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}" ></script>

 <script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>
 <script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

 <script src="{{ url_for('static', filename='js/tabs.js') }}"></script>
 <script src="{{ url_for('static', filename='js/popup.js') }}"></script>
 <script src="{{ url_for('static', filename='js/custom.js') }}"></script>

</body>
</html>
```

Register.html

```html
<!DOCTYPE html>
<html lang="en">

  <head>

    <meta charset="utf-8">
    <meta name="author" content="templatemo">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```html
    <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&display=
swap" rel="stylesheet">

    <title>Drowning Detection</title>

    <!-- Bootstrap core CSS -->

    <link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/bootstrap.min.css') }}"
/>
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/style1.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css') }}"
/>
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
    <link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-bundle.min.css"
/>

  </head>

<body>

  <!-- ***** Preloader Start ***** -->
  <div id="js-preloader" class="js-preloader">
   <div class="preloader-inner">
    <span class="dot"></span>
    <div class="dots">
     <span></span>
     <span></span>
     <span></span>
    </div>
   </div>
  </div>
  <!-- ***** Preloader End ***** -->

  <!-- ***** Header Area Start ***** -->
  <header class="header-area header-sticky">
   <div class="container">
     <div class="row">
       <div class="col-12">
         <nav class="main-nav">
           <!-- ***** Logo Start ***** -->
           <a href="index.html" class="logo">
            <img src="{{ url_for('static', filename='images/Untitled.png') }}" alt="">
           </a>
           <!-- ***** Logo End ***** -->
           <!-- ***** Menu Start ***** -->
           <ul class="nav">
             <li><a href="/" >Home</a></li>
             <li><a href="/login">Sign In</a></li>
             <li><a href="/register" class="active">Sign Up</a></li>
             <li><a href="/login">Drown Detect</a></li>
           </ul>
```

```html
        <a class='menu-trigger'>
          <span>Menu</span>
        </a>
        <!-- ***** Menu End ***** -->
      </nav>
    </div>
  </div>
</div>
</header>
<!-- ***** Header Area End ***** -->

<!-- ***** Main Banner Area Start ***** -->
<div class="main-banner">
  <div class="container">
    <div class="row">
      <div class="col-lg-6 align-self-center">
        <div class="header-text">
          <h6>Let's</h6>
          <h2>Sign Up</h2>
          <p>Create Your Account With Us.</p>
        </div>
      </div>
      <div class="col-lg-6">
        <div class="owl-banner owl-carousel">
          <div class="col-md-11 col-md-offset-1">
            <div class="booking-form">
              <form class="form" method="post" action="/add_user">
                <div class="row">
                  <div class="col-md-12">
                    <div class="form-group">
                      <span class="form-label">Name</span>
                        <input type="text" class="form-control" name="name"
placeholder="Enter Your Name" required="true">
                        <span class="select-arrow"></span>
                    </div>
                  </div>
                </div>
                <div class="row">
                  <div class="col-md-12">
                    <div class="form-group">
                      <span class="form-label">Email</span>
                        <input type="email" class="form-control" name="email"
placeholder="Enter Your Email" required="true">
                        <span class="select-arrow"></span>
                    </div>
                  </div>
                </div>
                <div class="row">
                  <div class="col-md-12">
                    <div class="form-group">
                      <span class="form-label">Password</span>
                        <input type="password" class="form-control" name="password"
placeholder="Enter Your Password" required="true">
                        <span class="select-arrow"></span>
                    </div>
                  </div>
                </div>
```

```html
                            <div class="form-btn">
                                <button class="submit-btn">Sign Up</button>
                            </div>
                            <div class="form-btn">
                                <p class="mt-2" style="color:#000" > Already a member? <a
href="/login">Sign In</a> </p>
                            </div>

                        </form>

                    </div>
                    <!Booking form>



            </div>
          </div>
        </div>
      </div>
    </div>
    <!-- ***** Main Banner Area End ***** -->



    <!-- Scripts -->
    <!-- Bootstrap core JavaScript -->
    <script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>
    <script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}" ></script>

    <script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>
    <script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

    <script src="{{ url_for('static', filename='js/tabs.js') }}"></script>
    <script src="{{ url_for('static', filename='js/popup.js') }}"></script>
    <script src="{{ url_for('static', filename='js/custom.js') }}"></script>

</body>
</html>
```

Style.css

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>TRAVELER - Free Travel Website Template</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="Free HTML Templates" name="keywords">
    <meta content="Free HTML Templates" name="description">

    <!-- Favicon -->
    <link href="img/favicon.ico" rel="icon">

    <!-- Google Web Fonts -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
```

```html
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600;700&display=swap"
rel="stylesheet">

    <!-- Font Awesome -->
    <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
rel="stylesheet">

    <!-- Libraries Stylesheet -->
    <link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
    <link href="lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css" rel="stylesheet" />

    <!-- Customized Bootstrap Stylesheet -->
    <link href="css/style.css" rel="stylesheet">
</head>

<body>
    <!-- Topbar Start -->
    <div class="container-fluid bg-light pt-3 d-none d-lg-block">
        <div class="container">
            <div class="row">

            </div>
        </div>
    </div>
    <!-- Topbar End -->


    <!-- Navbar Start -->
    <div class="container-fluid position-relative nav-bar p-0">
        <div class="container-lg position-relative p-0 px-lg-3" style="z-index: 9;">
            <nav class="navbar navbar-expand-lg bg-light navbar-light shadow-lg py-3 py-lg-0 pl-3 pl-
lg-5">
                <a href="" class="navbar-brand">
                    <h1 class="m-0 text-primary"><span class="text-dark">TRAVEL</span>ER</h1>
                </a>
                <button type="button" class="navbar-toggler" data-toggle="collapse" data-
target="#navbarCollapse">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse justify-content-between px-3" id="navbarCollapse">
                    <div class="navbar-nav ml-auto py-0">
                        <a href="index.html" class="nav-item nav-link active">Home</a>
                        <a href="about.html" class="nav-item nav-link">About</a>
                        <a href="service.html" class="nav-item nav-link">Services</a>
                        <a href="package.html" class="nav-item nav-link">Tour Packages</a>
                        <div class="nav-item dropdown">
                            <a href="#" class="nav-link dropdown-toggle" data-
toggle="dropdown">Pages</a>
                            <div class="dropdown-menu border-0 rounded-0 m-0">
                                <a href="blog.html" class="dropdown-item">Blog Grid</a>
                                <a href="single.html" class="dropdown-item">Blog Detail</a>
                                <a href="destination.html" class="dropdown-item">Destination</a>
                                <a href="guide.html" class="dropdown-item">Travel Guides</a>
                                <a href="testimonial.html" class="dropdown-item">Testimonial</a>
                            </div>
                        </div>
                        <a href="contact.html" class="nav-item nav-link">Contact</a>
```

```html
                </div>
              </div>
            </nav>
          </div>
        </div>
        <!-- Navbar End -->


        <!-- Carousel Start -->
        <div class="container-fluid p-0">
          <div id="header-carousel" class="carousel slide" data-ride="carousel">
            <div class="carousel-inner">
              <div class="carousel-item active">
                <img class="w-100" src="img/carousel-1.jpg" alt="Image">
                <div class="carousel-caption d-flex flex-column align-items-center justify-content-center">
                  <div class="p-3" style="max-width: 900px;">
                    <h4 class="text-white text-uppercase mb-md-3">Tours & Travel</h4>
                    <h1 class="display-3 text-white mb-md-4">Let's Discover The World Together</h1>
                    <a href="" class="btn btn-primary py-md-3 px-md-5 mt-2">Book Now</a>
                  </div>
                </div>
              </div>
              <div class="carousel-item">
                <img class="w-100" src="img/carousel-2.jpg" alt="Image">
                <div class="carousel-caption d-flex flex-column align-items-center justify-content-center">
                  <div class="p-3" style="max-width: 900px;">
                    <h4 class="text-white text-uppercase mb-md-3">Tours & Travel</h4>
                    <h1 class="display-3 text-white mb-md-4">Discover Amazing Places With Us</h1>
                    <a href="" class="btn btn-primary py-md-3 px-md-5 mt-2">Book Now</a>
                  </div>
                </div>
              </div>
            </div>
            <a class="carousel-control-prev" href="#header-carousel" data-slide="prev">
              <div class="btn btn-dark" style="width: 45px; height: 45px;">
                <span class="carousel-control-prev-icon mb-n2"></span>
              </div>
            </a>
            <a class="carousel-control-next" href="#header-carousel" data-slide="next">
              <div class="btn btn-dark" style="width: 45px; height: 45px;">
                <span class="carousel-control-next-icon mb-n2"></span>
              </div>
            </a>
          </div>
        </div>

        <!-- JavaScript Libraries -->
        <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
        <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.bundle.min.js"></script>
        <script src="lib/easing/easing.min.js"></script>
        <script src="lib/owlcarousel/owl.carousel.min.js"></script>
        <script src="lib/tempusdominus/js/moment.min.js"></script>
```

```html
    <script src="lib/tempusdominus/js/moment-timezone.min.js"></script>
    <script src="lib/tempusdominus/js/tempusdominus-bootstrap-4.min.js"></script>

    <!-- Contact Javascript File -->
    <script src="mail/jqBootstrapValidation.min.js"></script>
    <script src="mail/contact.js"></script>

    <!-- Template Javascript -->
    <script src="js/main.js"></script>
</body>

</html>
```

Style1.Css

```css
.section {
        position: relative;
        height: 100vh;
}

.section .section-center {
        position: absolute;
        top: 50%;
        left: 0;
        right: 0;
        -webkit-transform: translateY(-50%);
        transform: translateY(-50%);
}




.booking-form {
        position: relative;
        background: #fff;
        max-width: 642px;
        width: 100%;
        margin: auto;
        padding: 45px 25px 25px;
        border-radius: 4px;
        -webkit-box-shadow: 0px 0px 10px -5px rgba(0, 0, 0, 0.4);
        box-shadow: 0px 0px 10px -5px rgba(0, 0, 0, 0.4);
}

.booking-form .form-group {
        position: relative;
        margin-bottom: 20px;
}

.booking-form .form-control {
        background-color: #fff;
        height: 65px;
        padding: 0px 15px;
        padding-top: 24px;
        color: #191a1e;
        border: 2px solid #7453fcab;
        font-size: 16px;
        font-weight: 700;
```

```css
        -webkit-box-shadow: none;
        box-shadow: none;
        border-radius: 4px;
        -webkit-transition: 0.2s all;
        transition: 0.2s all;
}

.booking-form .form-control::-webkit-input-placeholder {
        color: #fff;
}

.booking-form .form-control:-ms-input-placeholder {
        color: #fff;
}

.booking-form .form-control::placeholder {
        color: #00000099;
}

.booking-form .form-control:focus {
        background: #fff;
}

.booking-form input[type="date"].form-control:invalid {
        color: #dfe5e9;
}

.booking-form select.form-control {
        -webkit-appearance: none;
        -moz-appearance: none;
        appearance: none;
}

.booking-form select.form-control+.select-arrow {
        position: absolute;
        right: 6px;
        bottom: 6px;
        width: 32px;
        line-height: 32px;
        height: 32px;
        text-align: center;
        pointer-events: none;
        color: #dfe5e9;
        font-size: 14px;
}

.booking-form select.form-control+.select-arrow:after {
        content: '\279C';
        display: block;
        -webkit-transform: rotate(90deg);
        transform: rotate(90deg);
}

.booking-form .form-label {
        position: absolute;
        top: 6px;
        left: 20px;
```

```css
        font-weight: 700;
        text-transform: uppercase;
        line-height: 24px;
        height: 24px;
        font-size: 12px;
        color: #7453fc;
}

.booking-form .form-checkbox input {
        position: absolute !important;
        margin-left: -9999px !important;
        visibility: hidden !important;
}

.booking-form .form-checkbox label {
        position: relative;
        padding-top: 4px;
        padding-left: 30px;
        font-weight: 700;
        color: #191a1e;
}

.booking-form .form-checkbox label+label {
        margin-left: 15px;
}

.booking-form .form-checkbox input+span {
        position: absolute;
        left:  2px;
        top: 4px;
        width: 20px;
        height: 20px;
        background: #fff;
        border: 2px solid #dfe5e9;
        border-radius: 50%;
}

.booking-form .form-checkbox input+span:after {
        content: '';
        position: absolute;
        top: 50%;
        left: 50%;
        width: 0px;
        height: 0px;
        border-radius: 50%;
        background-color: #4fa3e3;
        -webkit-transform: translate(-50%, -50%);
        transform: translate(-50%, -50%);
        -webkit-transition: 0.2s all;
        transition: 0.2s all;
}

.booking-form .form-checkbox input:not(:checked)+span:after {
        opacity: 0;
}

.booking-form .form-checkbox input:checked+span:after {
```

```css
        opacity: 1;
        width: 10px;
        height: 10px;
}

.booking-form .submit-btn {
        color: #fff;
        background-color: #7453fc;
        font-weight: 400;
        height: 65px;
        font-size: 18px;
        border: none;
        width: 100%;
        border-radius: 4px;
        text-transform: uppercase
}

.booking-cta {
        margin-top: 10px;
}

.booking-cta h1 {
        font-size: 52px;
        text-transform: uppercase;
        color: #fff;
        font-weight: 400;
}

.booking-cta p {
        font-size: 22px;
        color: #fff;
}
```