

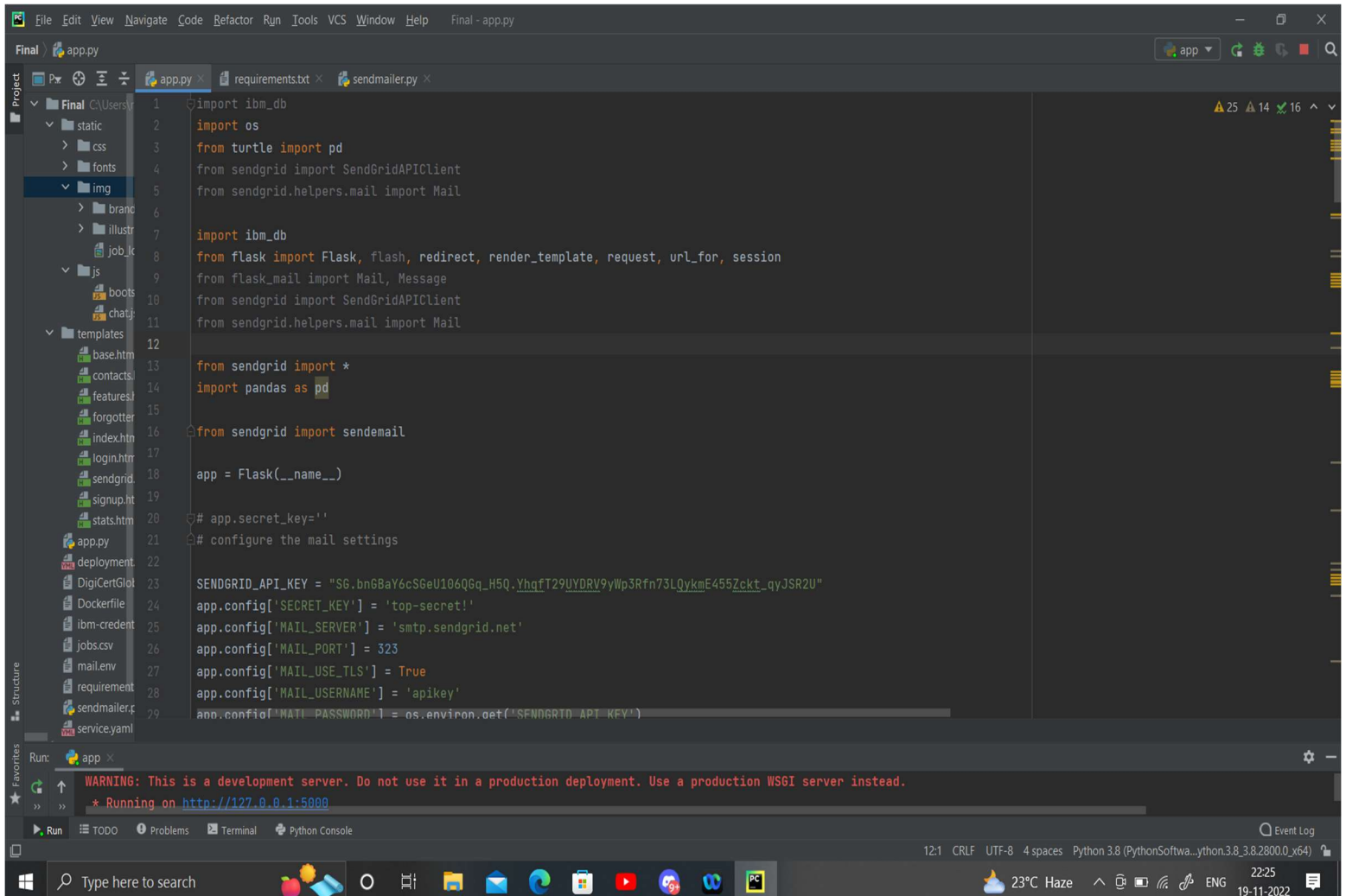
PROJECT DEVELOPMENT PHASE

Implementing Web Application

SPRINT-1

Date	29 October 2022
Team ID	PNT2022TMID09785
Project Name	Skill / Job Recommender Application

Importing the required libraries and initializing the flask application

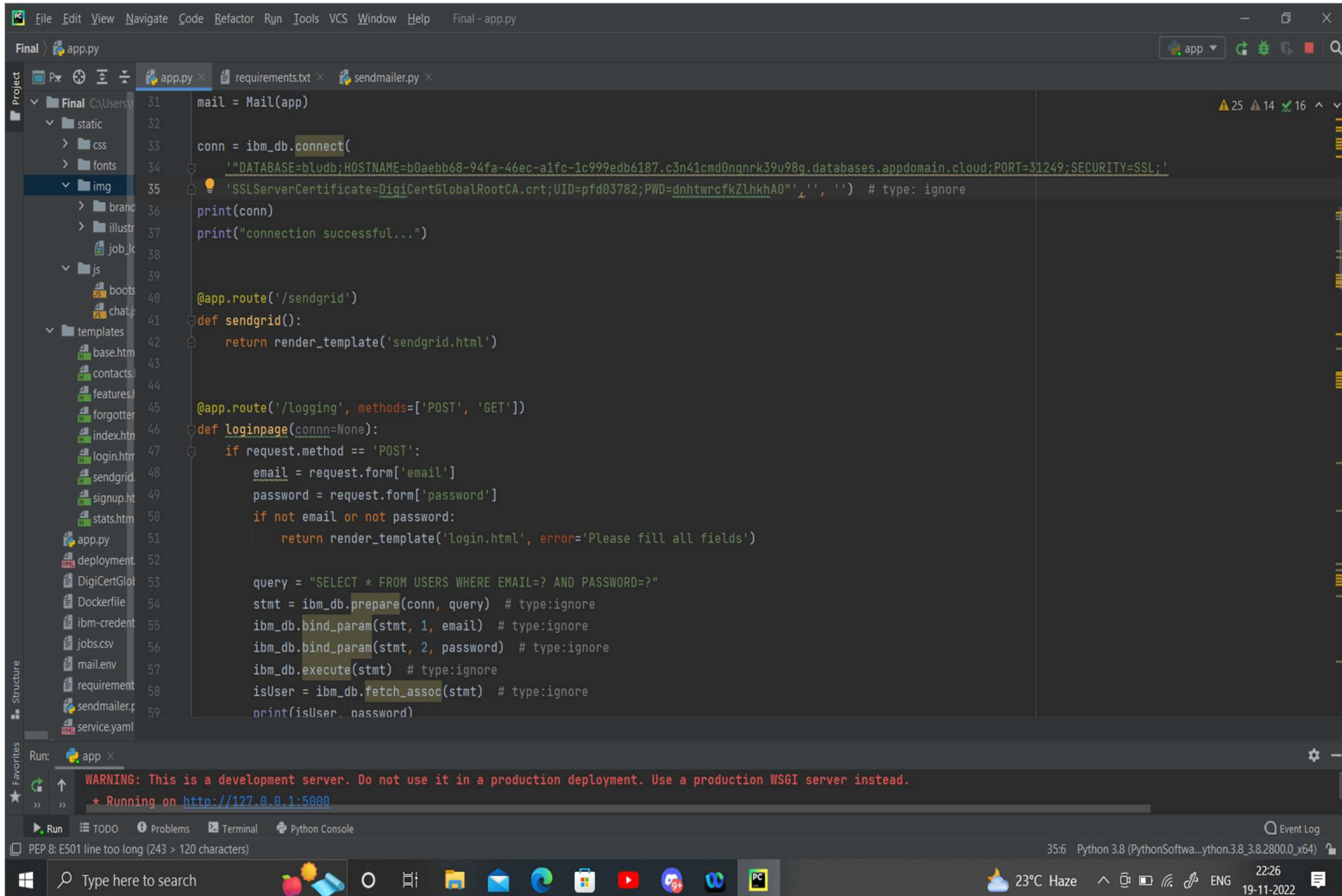


The screenshot shows a code editor with the file `app.py` open. The code imports various libraries including `ibm_db`, `os`, `turtle`, `sendgrid`, `flask`, `flask_mail`, `pandas`, and `sendmail`. It then initializes the Flask application and configures the mail settings.

```
1 import ibm_db
2 import os
3 from turtle import pd
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 import ibm_db
8 from flask import Flask, flash, redirect, render_template, request, url_for, session
9 from flask_mail import Mail, Message
10 from sendgrid import SendGridAPIClient
11 from sendgrid.helpers.mail import Mail
12
13 from sendgrid import *
14 import pandas as pd
15
16 from sendgrid import sendmail
17
18 app = Flask(__name__)
19
20 # app.secret_key=''
21 # configure the mail settings
22
23 SENDGRID_API_KEY = "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"
24 app.config['SECRET_KEY'] = 'top-secret!'
25 app.config['MAIL_SERVER'] = 'smtp.sendgrid.net'
26 app.config['MAIL_PORT'] = 323
27 app.config['MAIL_USE_TLS'] = True
28 app.config['MAIL_USERNAME'] = 'apikey'
29 app.config['MAIL_PASSWORD'] = os.environ.get('SENDGRID_API_KEY')
```

The bottom of the screenshot shows a terminal window with a warning message: "WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead." and a message indicating the application is running on `http://127.0.0.1:5000`.

Creating and configuring the Database connection



The screenshot shows an IDE window with a project named 'Final' and a file named 'app.py'. The code in 'app.py' is as follows:

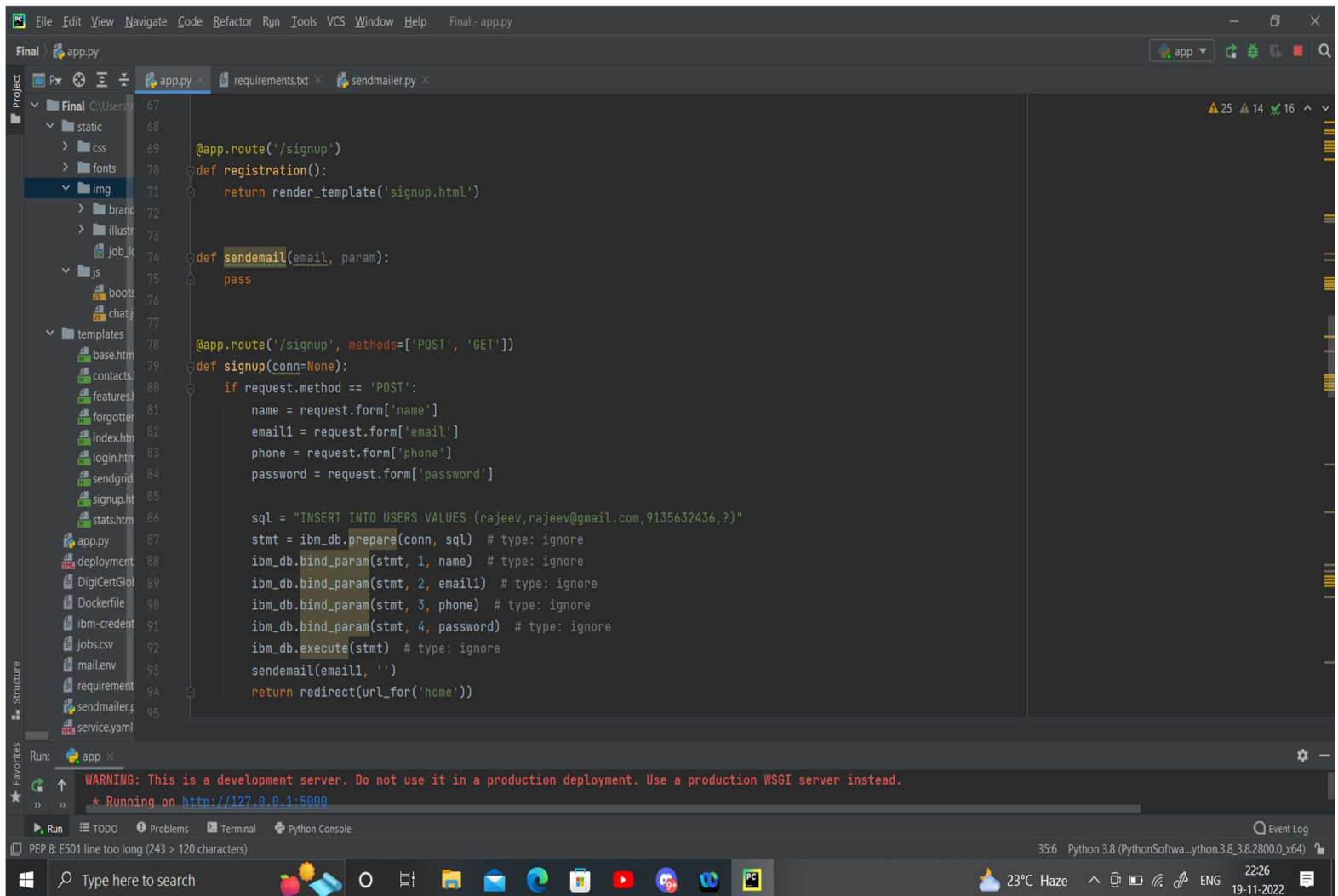
```
31 mail = Mail(app)
32
33 conn = ibm_db.connect(
34     "DATABASE=bludb;HOSTNAME=b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnrc39u98g.databases.appdomain.cloud;PORT=31249;SECURITY=SSL;'"
35     'SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=pf03782;PWD=dhhtwrcfkZlhkhA0"', '' # type: ignore
36 )
37 print(conn)
38 print("connection successful...")
39
40 @app.route('/sendgrid')
41 def sendgrid():
42     return render_template('sendgrid.html')
43
44 @app.route('/logging', methods=['POST', 'GET'])
45 def loginpage(conn=None):
46     if request.method == 'POST':
47         email = request.form['email']
48         password = request.form['password']
49         if not email or not password:
50             return render_template('login.html', error='Please fill all fields')
51
52     query = "SELECT * FROM USERS WHERE EMAIL=? AND PASSWORD=?"
53     stmt = ibm_db.prepare(conn, query) # type: ignore
54     ibm_db.bind_param(stmt, 1, email) # type: ignore
55     ibm_db.bind_param(stmt, 2, password) # type: ignore
56     ibm_db.execute(stmt) # type: ignore
57     isUser = ibm_db.fetch_assoc(stmt) # type: ignore
58     print(isUser, password)
```

The IDE also shows a 'Run' window with the following output:

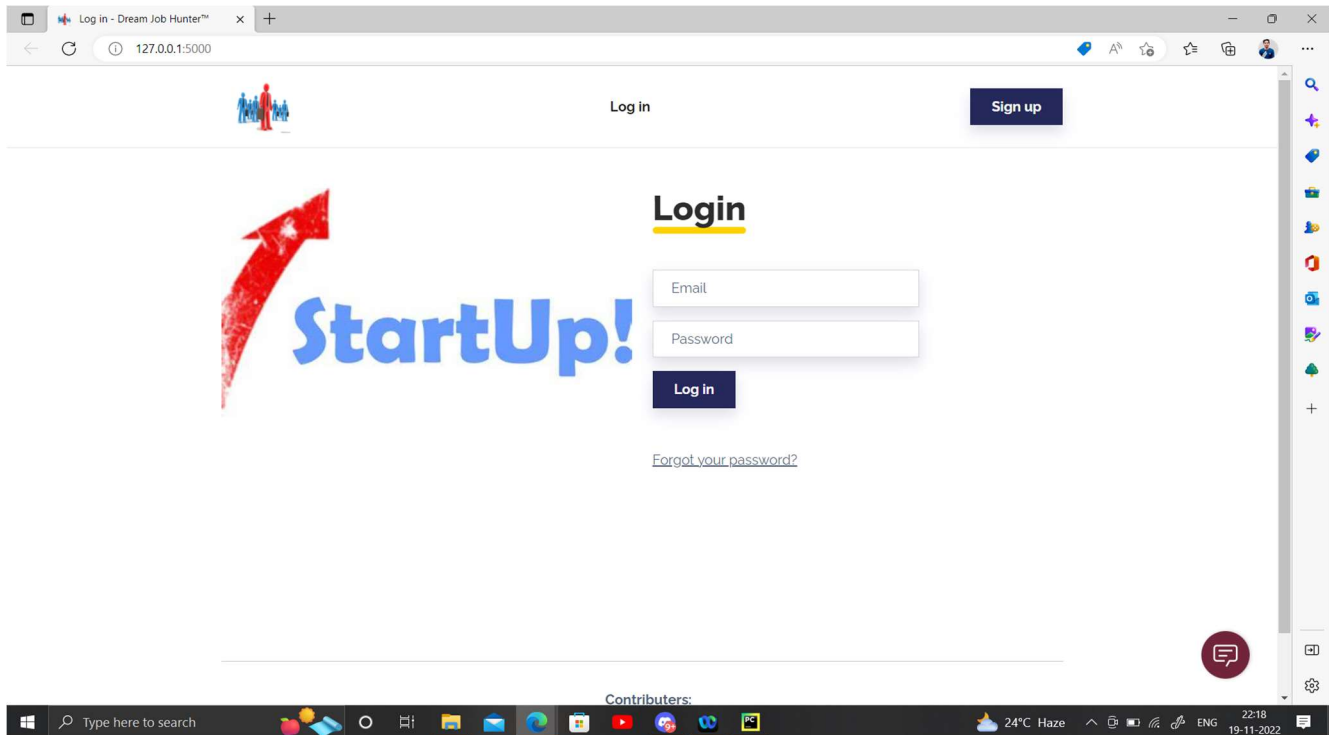
```
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
```

The bottom status bar shows the system clock as 22:26 on 19-11-2022, and the temperature as 23°C Haze.

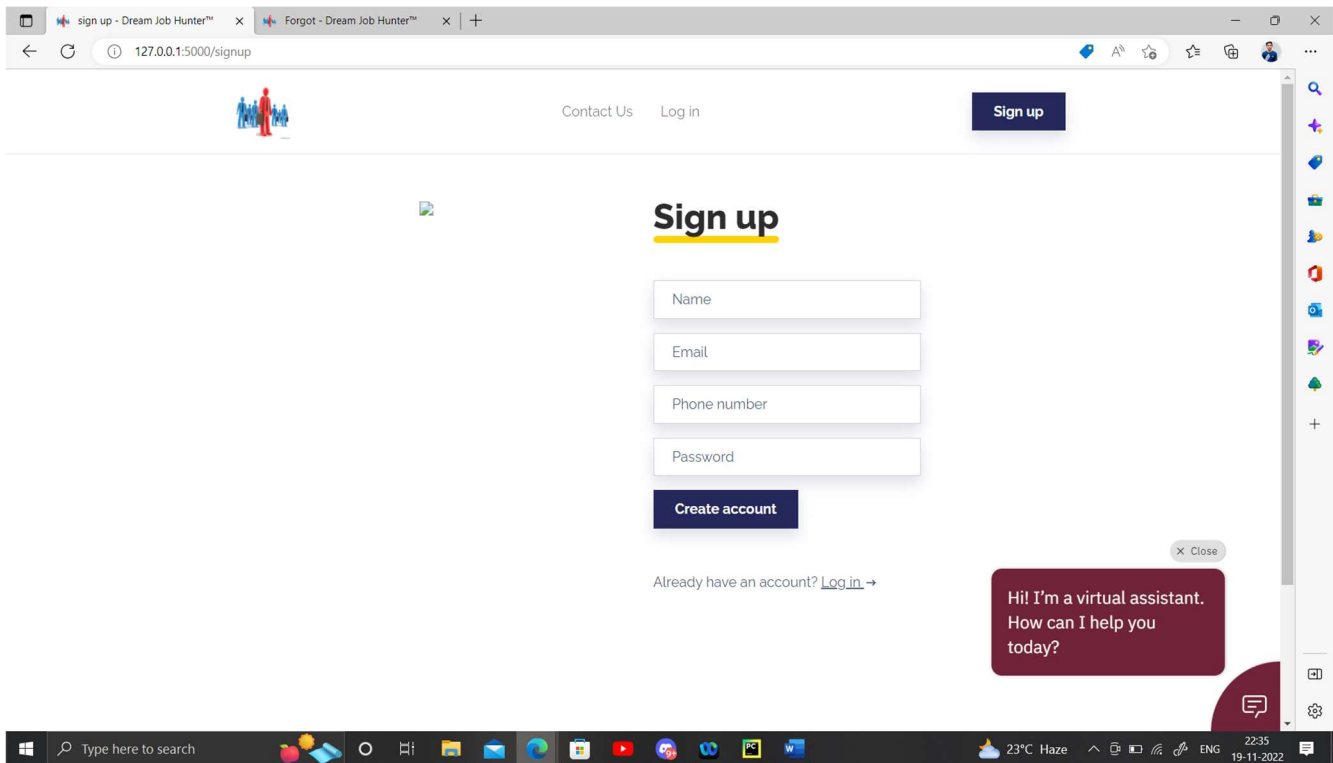
Main function



Initial Login page



Signup page



The screenshot shows a web browser window with two tabs: "sign up - Dream Job Hunter™" and "Forgot - Dream Job Hunter™". The address bar displays "127.0.0.1:5000/signup". The page features a navigation bar with a logo of three stylized figures, a "Contact Us" link, a "Log in" link, and a "Sign up" button. The main content area is titled "Sign up" in a large, bold font. Below the title are four input fields: "Name", "Email", "Phone number", and "Password". A "Create account" button is positioned below these fields. A link "Already have an account? [Log in](#) →" is located below the button. A dark red chat bubble in the bottom right corner contains the text: "Hi! I'm a virtual assistant. How can I help you today?". The Windows taskbar at the bottom shows the search bar, task view button, and several open applications including File Explorer, Mail, Edge, and Word. The system tray displays the temperature as 23°C, the weather as "Haze", and the time as 22:35 on 19-11-2022.

sign up - Dream Job Hunter™ x Forgot - Dream Job Hunter™ x +

127.0.0.1:5000/signup

Contact Us Log in Sign up

Sign up

Name

Email

Phone number

Password

Create account

Already have an account? [Log in](#) →

Close

Hi! I'm a virtual assistant.
How can I help you today?

Type here to search

23°C Haze 22:35 19-11-2022