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from flask import Flask, render_template
from flask_wtf import FlaskForm
from wtforms import IntegerField, SubmitField, SelectField, StringField, RadioField,
validators
import os
from wtforms.validators import NumberRange
import main_functions
import openai

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app = Flask(__name__)
app.config['SECRET_KEY'] = os.urandom(24)

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def get_key(filename,api_name):
    api_key_dict = main_functions.read_from_file(filename)
    my_api_key = api_key_dict[api_name]
    return my_api_key

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chatGPT_api_key = get_key("api_key.json","api_key")

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openai.api_key=chatGPT_api_key

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def chatGPTtest(api_key, user_info):

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    input_text = f"I am {user_info['name']}, a {user_info['age']} year old
{user_info['gender']} from {user_info['race']} race. My favorite cuisine is
{user_info['favorite_cuisine']} because {user_info['why_cuisine']}. My favorite
dessert is {user_info['favorite_dessert']} because {user_info['why_dessert']}. My
favorite hobby is {user_info['favorite_hobby']}. Do I have a job?
{user_info['job']}. (If applicable) My job involves {user_info['if_yes_job']}. My
favorite song is {user_info['favorite_songs']}. My favorite movie is
{user_info['favorite_movies']}. My favorite TV Shows is
{user_info['favorite_tvShows']}. My favorite sport is {user_info['favorite_sport']}.
My favorite instrument is {user_info['favorite_instrument']}. My favorite car is
{user_info['favorite_car']}."

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    messages_ = [
        {"role": "system",
         "content": "You are a chatbot that pretends to imitate a person with the
personality that you will receive soon."},
        {"role": "user", "content": input_text}]

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    response = openai.ChatCompletion.create(
        model="gpt-3.5-turbo-1106",
        messages=messages_,
        temperature=0.5,
        max_tokens=256,
        top_p=1,
        frequency_penalty=0,
    )
    return response["choices"][0]["message"]["content"]

```

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class Info_Screen(FlaskForm):

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    ])
    if_yes_job = StringField("If you marked job as yes, please describe your job in
detail.")
    favorite_songs = StringField("Favorite Songs")
    favorite_movies = StringField("Favorite Movies")
    favorite_tvShows = StringField("Favorite TV Shows")
    favorite_sport = StringField("Favorite Sport")
    favorite_instrument = StringField("Favorite Instrument")
    favorite_car = StringField("Favorite Car")
    submit = SubmitField("Submit")

@app.route('/', methods=['GET', 'POST'])
def index():
    form = Info_Screen()
    if form.validate_on_submit():
        user_info = {
            "name": form.name.data,
            "age": form.age.data,
            "gender": form.gender.data,
            "race": form.race.data,
            "favorite_cuisine": form.favorite_cuisine.data,
            "why_cuisine": form.why_cuisine.data,
            "favorite_dessert": form.favorite_dessert.data,
            "why_dessert": form.why_dessert.data,
            "favorite_hobby": form.favorite_hobby.data,
            "job": form.job.data,
            "if_yes_job": form.if_yes_job.data,
            "favorite_songs": form.favorite_songs.data,
            "favorite_movies": form.favorite_movies.data,
            "favorite_tvShows": form.favorite_tvShows.data,
            "favorite_sport": form.favorite_sport.data,
            "favorite_instrument": form.favorite_instrument.data,
            "favorite_car": form.favorite_car.data
        }
        apiResponse = chatGPTtest(chatGPT_api_key, user_info)
        return render_template('output_screen.html', apiResponse=apiResponse)
    else:
        return render_template('input_screen.html', form=form)

if __name__ == '__main__':
    app.run(debug=True, port=5050)

```