**БИН2003**

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Base.html

<html>

<head>

    {% if title %}

    <title>{{ title }} - Microblog</title>

    {% else %}

    <title>Welcome to Microblog</title>

    {% endif %}

</head>

<body>

    <div>Microblog: <a href="/index">Home</a></div>

    <hr>

    {% block content %}{% endblock %}

</body>

</html>

Index.html

{% extends "base.html" %}

{% block content %}

<h1>Hi, {{ user.username }}!</h1>

{% for post in posts %}

<div>

    <p>{{ post.author.username }} says: <b>{{ post.body }}</b></p>

</div>

{% endfor %}

{% endblock %}

Results.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"

        integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">

    <title>Result</title>

</head>

<body>

    <div class="container">

        <h2>Results</h2>

        <div>

            <strong>Original text:</strong> {{ original\_text }}

        </div>

        <div>

            <strong>Translated text:</strong> {{ translated\_text }}

        </div>

        <div>

            <strong>Target language code:</strong> {{ target\_language }}

        </div>

        <div>

            <a href="{{ url\_for('index') }}">Try another one!</a>

        </div>

    </div>

</body>

</html>

Translate.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"

        integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">

    <title>Text Translator</title>

</head>

<body>

    <div class="container">

        <h1>Test Translation service</h1>

        <div>Enter the text you wish to translate, choose the language, and click Translate button</div>

        <div>

            <form method="POST">

                <div class="form-group">

                    <textarea name="text" cols="20" rows="10" class="form-control"></textarea>

                </div>

                <div class="form-group">

                    <label for="language">Language:</label>

                    <select name="language" class="form-control">

                        <option value="en">English</option>

                        <option value="it">Italian</option>

                        <option value="ja">Japanese</option>

                        <option value="ru">Russian</option>

                        <option value="de">German</option>

                    </select>

                </div>

                <div>

                    <button type="submit" class="btn btn-success">Translate</button>

                </div>

            </form>

        </div>

    </div>

</body>

</html>

App.py

import requests

import uuid

from flask import Flask, render\_template, request

from config  import key, location, endpoint

app = Flask(\_\_name\_\_)

@app.route('/', methods=['GET'])

def translate():

    return render\_template('translate.html')

# code

@app.route('/', methods=['POST'])

def index\_post():

    original\_text = request.form['text']

    target\_language = request.form['language']

    path = '/translate?api-version=3.0'

    target\_language\_parameter = '&to=' + target\_language

    constructed\_url = endpoint + path + target\_language\_parameter

    headers = {

    'Ocp-Apim-Subscription-Key': key,

    'Ocp-Apim-Subscription-Region': location,

    'Content-type': 'application/json',

    'X-ClientTraceId': str(uuid.uuid4())

    }

    # Create the body of the request with the text to be

    # translated

    body = [{'text': original\_text}]

    # Make the call using post

    translator\_request = requests.post(

    constructed\_url, headers=headers, json=body)

    # Retrieve the JSON response

    translator\_response = translator\_request.json()

    # Retrieve the translation

    translated\_text = translator\_response[0]['translations'][0]['text']

    # Call render template, passing the translated text,

    # original text, and target language to the template

    return render\_template(

    'results.html',

    translated\_text=translated\_text,

    original\_text=original\_text,

    target\_language=target\_language

 )

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug=True)

Config.py

from starlette.config import Config

config = Config(".env")

key: str = config("KEY")

endpoint: str = config("ENDPOINT")

location: str = config("LOCATION")

Результат работы

