FastAPI Server for DietFit

Overview

App Name: fastapi-server

Description: A FastAPI server for managing user signup, login, diet plans, BMI, calorie calculations, and exercise plans.

Version: 1.0.0

Base URL

Localhost: https://0.0.0.0:7000

Docs URL: /docs

Endpoints

User Management:

1. Signup a New User

   URL: /signupCheck

   Method: POST

   Request Body:

   {

     "firstName": "John",

     "lastName": "Doe",

     "email": "john.doe@example.com",

```
  "password": "password123"

}
```

Response:

- Success: {"success": true, "message": "User signup is successful"}

- Error: {"success": false, "message": "User already exists"}

2. Login

URL: /loginCheck

Method: POST

Request Body:

```
{

  "email": "john.doe@example.com",

  "password": "password123"

}
```

Response:

- Success: {"success": true, "message": "login successful"}

- Error: {"success": false, "message": "incorrect password"}

3. Get First Name

URL: /getFirstname

Method: POST

Request Body:

```
{

  "email": "john.doe@example.com"

}
```

Response:

- Success: {"firstName": "John", "success": true}

- Error: {"firstName": "User not found", "success": false}

Health Calculations

4. Calculate BMI

URL: /calculate_bmi

Method: POST

Request Body:

{

  "gender": "male",

  "age": 25,

  "height": 180,

  "weight": 75

}

Response:

- Success: {"bmi": 23.15, "success": true}

5. Calculate Daily Calorie Intake

URL: /calculate_calories

Method: POST

Request Body:

{

  "gender": "female",

"age": 30,

"height": 165,

"weight": 60,

"activity_level": "moderately active"

}

Response:

- Success: {"calorie_intake": 1900.5, "success": true}

Diet and Exercise Plans

6. View Diet Plan

URL: /viewDiet

Method: POST

Request Body: JSON representing diet filters.

Response: Returns a structured meal plan for 7 days.

7. Get Exercises

URL: /getExercises

Method: POST

Request Body:

{

"difficulty": "beginner",

"type": ["cardio"],

"muscle": ["legs"]

}

Response:

- Success: Structured exercise data for 7 days.

- Error: {"message": "No data found for this combination filter", "success": false}

Static Pages

- Login Page: /login

- Signup Page: /signup

- Home Page: /home

- About Page: /about

- BMI Page: /bmi

- Calorie Page: /calorie

- Diet Plan Page: /dietplan

- Exercise Plan Page: /exerciseplan

Testing Endpoints

8. Test GET Route

   URL: /test_route

   Method: GET

   Response: Debugging data.

9. Test POST Route

   URL: /test_route_post

FastAPI Server for DietFit - API Documentation

Method: POST

Request Body: Any JSON payload.

Response: Echoes the body.