**API Documentation**

**Overview**

This API provides authentication services using email-password authentication and Google OAuth2 login. The API is built using Flask and JWT for secure authentication.

**Base URL**

http://yourdomain.com/api

**Endpoints**

**1. Google Login**

**POST /google-login**

Authenticates users using Google OAuth2.

**Request Body**

{

"token": "GOOGLE\_OAUTH2\_TOKEN"

}

**Response**

**Success (200):**

{

"status": "success",

"message": "Google login successful",

"access\_token": "JWT\_TOKEN",

"user": {

"email": "user@example.com",

"name": "User Name"

},

"timestamp": "2024-03-10T12:00:00Z"

}

**Error (401):**

{

"status": "error",

"message": "Invalid Google Token",

"details": "Error message",

"timestamp": "2024-03-10T12:00:00Z"

}

**2. User Registration**

**POST /register**

Registers a new user with email and password.

**Request Body**

{

"email": "user@example.com",

"password": "securepassword",

"name": "User Name"

}

**Response**

**Success (201):**

{

"status": "success",

"message": "User registered successfully",

"timestamp": "2024-03-10T12:00:00Z"

}

**Error (400):**

{

"status": "error",

"message": "Email already exists",

"timestamp": "2024-03-10T12:00:00Z"

}

**3. User Login**

**POST /login**

Authenticates user with email and password.

**Request Body**

{

"email": "user@example.com",

"password": "securepassword"

}

**Response**

**Success (200):**

{

"status": "success",

"message": "Login successful",

"user": {

"name": "User Name"

},

"timestamp": "2024-03-10T12:00:00Z"

}

*(JWT token is stored in an HttpOnly cookie.)*

**Error (401):**

{

"status": "error",

"message": "Invalid credentials",

"timestamp": "2024-03-10T12:00:00Z"

}

**4. Logout**

**POST /logout**

Logs out the user by clearing the authentication cookie.

**Response**

**Success (200):**

{

"status": "success",

"message": "Logged out successfully",

"timestamp": "2024-03-10T12:00:00Z"

}

**Authentication**

* The API uses JWT tokens for authentication.
* JWT tokens are stored in HttpOnly cookies with secure=True and samesite=Strict settings.

**Error Handling**

* All error responses contain a status field with error and an appropriate message.
* If applicable, errors also include a details field for additional information.

**Timestamp Format**

All responses include a timestamp in ISO 8601 format (YYYY-MM-DDTHH:MM:SSZ).