**SkillSwap User Authentication (register, login) API Documentation  
  
User Data Format:**{ “email”: “String” (required, must be unique),

“role”: “String” (required, “admin” || “Basic”, default: ”Basic”),

“username”: “String” (required),

“password”: “String” (required),

“description”: “String”,

“isAvailable”: “Boolean”,

“swapPreference”: [“String”] (“in-person” and/or “online” and/or “hybrid”),

“langPreference”: [“String”] (“English” and/or “French” and/or “German” ….),

“location”: {  
 “type”:“String” (must be “Point”),  
 “coordinate”: [Number] (e.g. [-73.856077, 40.848447] },

“skillsOffered”: [{  
 “type”: “Schema.Types.ObjectId”,  
 “ref”: “Skill” }],

“skillsWanted”: [{  
 “type”: “Schema.Types.ObjectId”,  
 “ref”: “Skill” }]

}

**Base URL**

The base URL for all API requests is **https://ws24-skillswap.onrender.com**

**Endpoints**

All endpoints are prefixed with **/api/auth**

**1. Register**

Allows new users to register.

* **URL:** **/api/auth/register**
* **Method:** **POST**
* **Body Parameters:**
  + **username**: String (required)
  + **email**: String (required)
  + **password**: String (required)
* **Success Response:**
  + **Code:** 201 (Created)
  + **Content:** **{ message: "User successfully registered", user: { id, username, email } }**
  + **Token Delivery:** The JWT token is sent as an HTTP-only cookie named **jwt**. This cookie is not accessible via JavaScript and is automatically sent with subsequent requests to the server.
* **Error Response:**
  + **Code:** 400 (Bad Request)
  + **Content:** **{ message: "Error message" }**

**2. Login**

Authenticates a user and returns a session token.

* **URL:** **/api/auth/login**
* **Method:** **POST**
* **Body Parameters:**
  + **email**: String (required)
  + **password**: String (required)
* **Success Response:**
  + **Code:** 200 (OK)
  + **Content:** **{ message: "Login successful", user: user.\_id }**
  + **Token Delivery:** The JWT token is sent as an HTTP-only cookie named **jwt**. This cookie is not accessible via JavaScript and is automatically sent with subsequent requests to the server.
* **Error Response:**
  + **Code:** 400 (Bad Request) / 401 (Unauthorized)
  + **Content:** **{ message: "Login not successful", error: "User not found" or "Invalid password" }**

**3. Logout**

No API Endpoint, should be done on Frontend by deleting/destroying the Token/Cookie.