

API Endpoint: Update Password

Endpoint Details

- **URL:** `http://localhost:5000/api/user/updatepassword`
- **Method:** POST
- **Description:** This endpoint updates the user's password. It takes `old_password` and `new_password` as form data and requires the user to be logged in.

Request Parameters

Parameter	Type	Required	Description
old_password	string	Yes	User's current password
new_password	string	Yes	User's new password

Request Headers

- **Cookie:** `token=<authentication_token>`

Test Cases

1. Successful Password Update

- **Description:** Verify that the user's password is updated with valid old and new passwords.
- **Input:**
 - **Headers:**
 - Cookie: `token=<valid_token>`
 - **Body:**
 - `old_password`: validoldpassword
 - `new_password`: validnewpassword
- **Expected Response:**
 - **Status Code:** 200 OK
 - **Body:** JSON object containing a success message (e.g., `{ "message": "Password updated successfully" }`)

2. Missing Old Password

- **Description:** Verify that the API returns an error when the old password is missing.
- **Input:**
 - **Headers:**
 - Cookie: `token=<valid_token>`
 - **Body:**
 - `new_password: validnewpassword`
- **Expected Response:**
 - **Status Code:** 400 Bad Request
 - **Body:** JSON object containing an error message about the missing old password

3. Missing New Password

- **Description:** Verify that the API returns an error when the new password is missing.
- **Input:**
 - **Headers:**
 - Cookie: `token=<valid_token>`
 - **Body:**
 - `old_password: validoldpassword`
- **Expected Response:**
 - **Status Code:** 400 Bad Request
 - **Body:** JSON object containing an error message about the missing new password

4. Incorrect Old Password

- **Description:** Verify that the API returns an error when the old password is incorrect.
- **Input:**
 - **Headers:**
 - Cookie: `token=<valid_token>`
 - **Body:**
 - `old_password: invalidoldpassword`
 - `new_password: validnewpassword`
- **Expected Response:**
 - **Status Code:** 401 Unauthorized

- **Body:** JSON object containing an error message about the incorrect old password

5. User Not Logged In

- **Description:** Verify that the API returns an error when the user is not logged in or the authentication token is missing/invalid.
- **Input:**
 - **Headers:**
 - Cookie: `token=<invalid_or_missing_token>`
 - **Body:**
 - `old_password: validoldpassword`
 - `new_password: validnewpassword`
- **Expected Response:**
 - **Status Code:** 401 Unauthorized
 - **Body:** JSON object containing an error message (e.g., `{ "error": "Not authorized" }`)

Test Results

Test Case	Status	Response Code	Response Body	Remarks
Successful Password Update	Pass	200	<code>{ "message": "Password updated successfully" }</code>	Password successfully updated
Missing Old Password	Pass	400	<code>{ "error": "Old password is required" }</code>	Appropriate error message shown
Missing New Password	Pass	400	<code>{ "error": "New password is required" }</code>	Appropriate error message shown
Incorrect Old Password	Pass	401	<code>{ "error": "Incorrect old password" }</code>	Appropriate error message shown

User Not Logged In	Pass	401	{ "error": "Not authorized" }	Appropriate error message shown
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