

Django Task - Profile Management System

Hi Team,

Today's task is to implement a **Profile Management System** using Django and integrate it with Postman and frontend.

Please complete this task within today (approx. 8 hours).

Task Details:

1. Extend the existing UserData model with fields: first_name, last_name, phone_number, address, profile_picture.
2. Create API endpoints (using Django REST Framework):
 - GET /profile/ → Fetch logged-in user details.
 - PUT /profile/ → Update profile details.
 - PATCH /change-password/ → Change password.
 - DELETE /delete-account/ → Delete account.
3. Protect all routes with authentication.
4. Test all endpoints in Postman and document input/output.
5. Create a Profile Page (frontend) with forms for updating details, changing password, and deleting account.
6. Submit backend code, Postman collection, and screenshots of frontend.

Postman Input/Output Examples:

1. GET /profile/

Request	GET http://127.0.0.1:8000/profile/ (with Authorization token)
Response	{ "id": 1, "username": "john_doe", "email": "john@example.com", "first_name": "John", "last_name": "Doe", "phone_number": "9876543210", "address": "Chennai, India"} }

2. PUT /profile/

Request	PUT http://127.0.0.1:8000/profile/ Body (JSON): { "first_name": "Johnny", "last_name": "Smith", "phone_number": "9876500000", "address": "Bangalore, India"} }
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Response	<pre>{ "message": "Profile updated successfully" }</pre>
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3. PATCH /change-password/

Request	PATCH http://127.0.0.1:8000/change-password/ Body (JSON): <pre>{ "old_password": "test123", "new_password": "newpass456" }</pre>
Response	<pre>{ "message": "Password changed successfully" }</pre>

4. DELETE /delete-account/

Request	DELETE http://127.0.0.1:8000/delete-account/ (with Authorization token)
Response	<pre>{ "message": "Account deleted successfully" }</pre>

Submission Checklist:

- Backend code with working APIs
- Postman collection with tested requests
- Frontend profile page (screenshots)
- Final ZIP folder submission

Best Regards,
[Your Name]