

# 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 | <pre>{   "id": 1,   "username": "john_doe",   "email": "john@example.com",   "first_name": "John",   "last_name": "Doe",   "phone_number": "9876543210",   "address": "Chennai, India" }</pre> |

### 2. PUT /profile/

|         |  |
|---------|--|
| Request | <pre>PUT http://127.0.0.1:8000/profile/ Body (JSON): {   "first_name": "Johnny",   "last_name": "Smith",   "phone_number": "9876500000",   "address": "Bangalore, India" }</pre> |
|---------|--|

|          |  |
|----------|--|
| Response | <pre>{   "message": "Profile updated successfully" }</pre> |
|----------|--|

### 3. PATCH /change-password/

|          |   |
|----------|---|
| Request  | PATCH http://127.0.0.1:8000/change-password/<br>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]