### **Question: Create a Django Application for Student Database Management with JWT Authentication**

#### **Objective:**

Create a Django application where students can enter their details through a web form. The application should have proper database normalisation, JWT-based user authentication, and an admin interface to manage and search student records.

#### **Requirements:**

1. **Database Tables**:
   * tbl\_personal
   * tbl\_college
   * tbl\_courses
   * tbl\_work\_experience
2. **Functionality**:
   * Students can enter their details through a web form.
   * When a student is added to the database, an entry should be made in the auth\_user table, making each student a normal user of the system.
   * Students should be able to log in (JWT authentication required).
   * After login, students can view their details.
   * Admin area where admin can:
     + See all users.
     + Search users using at least four fields from the "Fields Required" list.
3. **Data Requirements**:
   * No data duplication.
   * Data normalisation should be maintained.

#### **Fields Required:**

* Enquiry no
* Enquiry date
* Name
* Gender
* Qualification (dropdown)
* Address
* College/Institute
* Contact no
* WhatsApp no
* DOB
* Have any work experience (dropdown) - if "Yes", collect experience details.

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1. **Setting Up the Django Project**:
   * Install Django and create a new project and app.
2. **Define Models**:
   * Create models for tbl\_personal, tbl\_college, tbl\_courses, and tbl\_work\_experience in students/models.py.
3. **Create User Registration and JWT Authentication**:
   * Implement user registration that adds entries to auth\_user.
   * Implement JWT authentication and profile viewing.
4. **Admin Area**:
   * Create an admin interface to manage and search users.
5. **API**:
   * Create an API to display student details.