

## Django Project Question

Project Title: School Management System

### Objective:

Build a Django web application with custom user authentication and role-based access, supporting two user types: Admin and Teacher. Implement full authentication and CRUD functionalities based on user roles.

### Features to Implement:

#### 1. Authentication

- Signup (with role selection: Admin or Teacher)
- Login
- Logout
- Change Password

#### 3. Teacher Model

If you need additional information for teachers beyond the User model:

##### Model: Teacher

Field Name	Field Type	Description
user	OneToOneField(User)	Linked to User model
subject	CharField	Subject taught
phone	CharField	Contact number (optional)
hire_date	DateField	Date of hiring

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#### 4. Student Model

##### Model: Student

Field Name	Field Type	Description
teacher	ForeignKey(Teacher)	Linked to a teacher

Field Name	Field Type	Description
first_name	CharField	Student's first name
last_name	CharField	Student's last name
age	PositiveIntegerField	Age of the student
grade	CharField	Class/Grade of the student
enrollment_date	DateField (auto_add)	Date of enrollment

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## 5. Access Control & CRUD Functionality

### Admin Capabilities:

- Manage Teachers (CRUD)
- View all Students (Read-only)

### Teacher Capabilities:

- Manage their own Students (CRUD)