

Django Task: School Application

Application Name: **school**

Models to Create:

1 **School** Model

- **Fields:**
 - **name** (CharField) – Name of the school.
 - **number_of_classes** (IntegerField) – Total number of classes in the school.
 - **area** (FloatField) – Total area of the school (single field, not separated into length & width).
 - ⚠ **Note:** Float fields may have precision issues
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2 **Classroom** Model

- **Fields:**
 - **school** (ForeignKey) – Reference to the related **School** (Each classroom belongs to one school).
 - **name** (CharField) – Name of the classroom.
 - **area** (FloatField) – Area of the classroom (same float issue applies here).
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Django Components Required:

✓ **Forms**

- Create forms for both **School** and **Classroom** models to handle user input.

✓ **Viewsets (Django)**

- Implement viewsets for both **School** and **Classroom** providing full CRUD support:
 - **GET** (Retrieve all schools/classes or specific ones)
 - **POST** (Create a new school/classroom)

- PUT (Full update of school/classroom)
- PATCH (Partial update of school/classroom)
- DELETE (Delete a school/classroom)