

# EdTech Assignment Tracker

A role-based assignment submission system for teachers  
and students



# Overview

- Simplified system for EdTech platforms
- Teachers can post assignments
- Students can submit them
- Built with Django, DRF, and SQLite
- Role-based API access (teacher/student)

# Core Entities & Relationships



Entity	Fields	Relationships
User	id, username, email, password, is_staff	A user can be a teacher or student
Assignment	id, title, description, due_date, created_at, created_by (FK)	Created by a User (Teacher)
Submission	id, assignment (FK), submitted_by (FK), submitted_at	Submitted by User (Student) for an assignment



# API Endpoints - Auth



## AUTHENTICATION

`POST /api/signup/` → Register user

`POST /api/login/` → Login and return token

## API Endpoints - Teacher

Only for teachers (`is_staff=True`):

`POST /api/assignments/create/`

Add new assignments

Requires title, description, due date



# API Endpoints - Auth



## API ENDPOINTS - STUDENT

ONLY FOR STUDENTS (IS\_STAFF=FALSE):

POST /API/ASSIGNMENTS/SUBMIT/

## API - VIEW SUBMISSIONS

ONLY FOR TEACHERS:

GET /API/ASSIGNMENTS/{ID}/SUBMISSIONS/

VIEW ALL STUDENT SUBMISSIONS

AUTHENTICATED TEACHER REQUIRED



# Tech Stack

Component	Tool/Tech
Backend	Django + DRF
Auth	Token Auth (DRF)
DB	SQLite
Frontend	HTML, CSS, JS



# Conclusion

A SIMPLE SYSTEM TO MANAGE ASSIGNMENTS FOR TEACHERS AND STUDENTS.

TEACHERS CAN POST ASSIGNMENTS, AND STUDENTS CAN SUBMIT THEM.

ROLE-BASED LOGIN ENSURES SECURE ACCESS FOR BOTH USERS.

BUILT USING DJANGO REST FRAMEWORK WITH STRUCTURED APIS.

EASY TO USE, AND READY FOR FUTURE IMPROVEMENTS.

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