# EdTech Assignment Tracker

A role-based assignment submission system for teachers and students



## <u>Overview</u>

- •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:

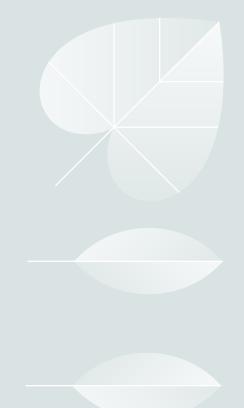
GET /API/ASSIGNMENTS/{ID}/SUBMISSIONS/

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.