



Department of Computer Engineering

Name of the Student: Diksha Sunil Jadhav

Roll Number: C206

SAP ID: 60004240043

Class: S.Y. BTech

Division: C

Batch: C3-2

Subject: Python Programming Laboratory (DJS23CLPC403)

Topic: Mini-Project Report

1. Problem Statement: Project Tracker

Educational institutions often face challenges in managing and tracking student assignments effectively. Majority Faculty members lack a centralized system to create, schedule, monitor, and grade assignments, while students need a streamlined interface to manage, prioritize, and submit their work on time. Current manual or scattered systems lead to inefficiencies, miscommunication, missed deadlines, and grading delays.

There is a need for a unified **Project Tracker** platform that enables:

- Faculty to efficiently assign, manage, and evaluate assignments.
- Students to view, prioritize, and submit assignments seamlessly.
- Real-time updates, grading, reminders, and report generation.

2. Proposed Solution:

The proposed solution is a user-friendly platform designed to simplify assignment management for both students and teachers.

For **students**, the platform allows easy access to all assignments, where they can view details, set completion priorities (high, medium, or low), and filter assignments based on deadlines and status. Students can upload their completed assignments in PDF form, which will be submitted directly to the teacher for grading.

For **teachers**, the platform provides tools to add assignments with relevant details (subject, title, description, grades, deadline, and PDF upload). Teachers can manage and edit assignment deadlines, view student submissions, and grade them efficiently.

This solution streamlines the process of assignment tracking, submission, and grading, making the experience more organized and less time-consuming for both students and teachers.

3. Tech Stack Used:

Frontend:

- HTML5 & CSS3 – UI structure and styling
- JavaScript – Basic interactivity and navigation
- Custom CSS – For button and form design

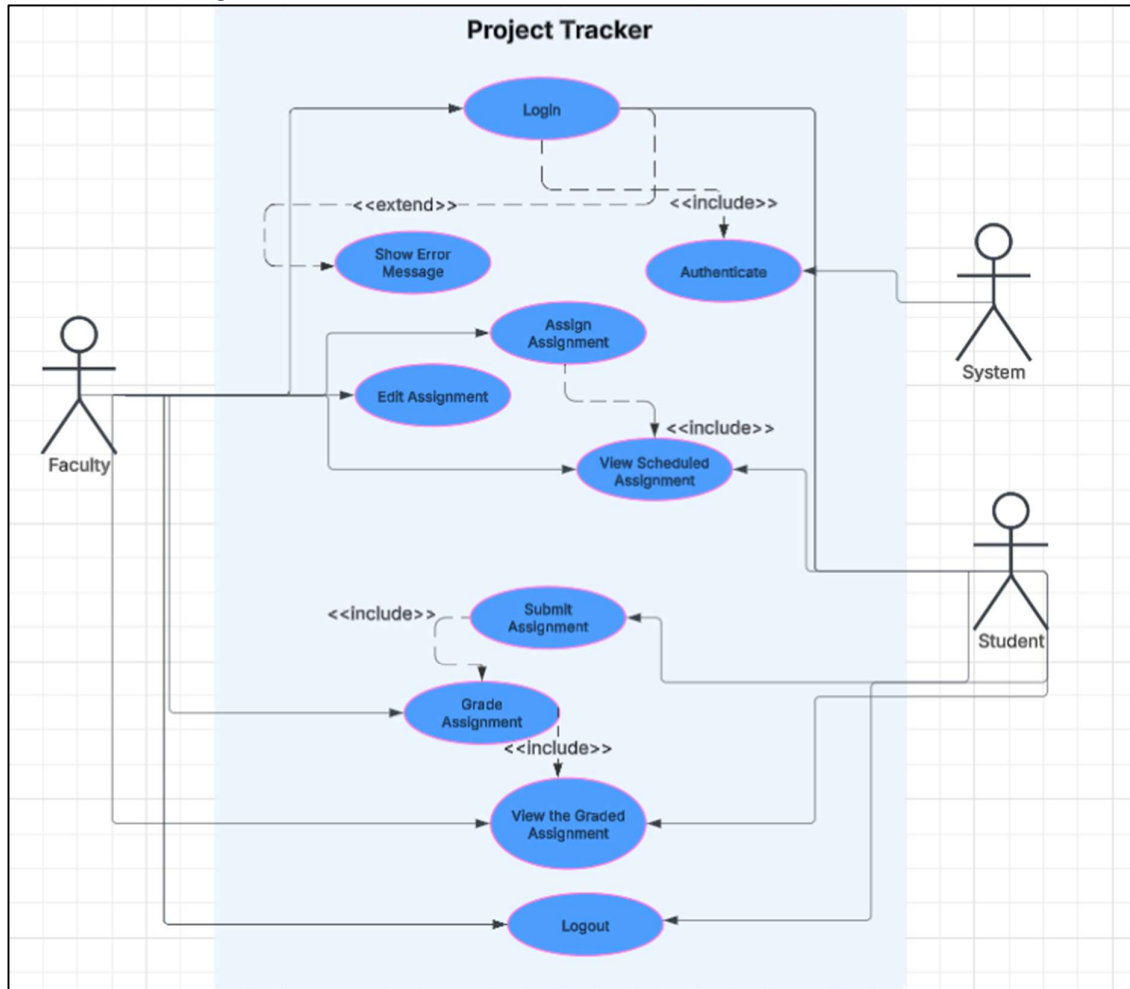
Backend:

- Python – Core programming language



- Django – Handles URLs, views, templates, forms, and ORM
- **Database:**
- SQLite3 – Stores assignments, users, and login data
- **File Handling:**
- Django Media – For uploading and serving PDF files

4. Use Case Diagram:





5. Output Screenshots:

A screenshot of a web browser showing a login page. The browser's address bar displays "127.0.0.1:8000/accounts/login/". The login form is centered on a light blue background. It has a title "Login" in blue. Below the title, there are two input fields: "Username:" with the value "fac1" and "Password:" with masked characters "*****". At the bottom of the form is a blue button labeled "Login".

Faculty:

A screenshot of a web browser showing a faculty dashboard. The browser's address bar displays "127.0.0.1:8000/tracker/dashboard/". The dashboard has a "Welcome" header. Below the header, there are two main sections: "Add a New Assignment" (yellow background) and "Scheduled Assignment" (blue background). The "Add a New Assignment" section includes a description: "Create and assign new work to your students with our easy-to-use form. Design engaging tasks with clear instructions and deadlines." and an "Add Assignment" button. The "Scheduled Assignment" section includes a description: "View all assignments. Monitor upcoming deadlines and student progress." and a "View Scheduled" button.



127.0.0.1:8000/tracker/scheduled_assignments/

Welcome Prerna

Scheduled Assignments

Title	Description	Subject	Action
Mini Project	TO any project	Python	View
fdvfdsv	fefe	pyhton	View

Welcome Prerna

Assignment Details

Mini Project
Subject: Python
Description: TO any project
Possible Grades: 20
Deadline: May 9, 2025, 12:20 p.m.
Assignment PDF: [Download](#)

Student Submissions

Student Name	Status	Grade Status	Grade	Action
Diksha	submitted	pending	0	View
Krishna	not submitted	not submitted	0	View

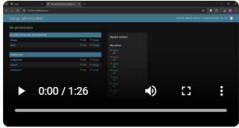
127.0.0.1:8000/tracker/submission/13/

Welcome Prerna

Submission Details

Mini Project
Student: Diksha
Status: submitted
Grade Status: pending
Grade: 0

Submitted Files:
PDF: [Download](#)



Video: [Download](#)

Zip File: [Download](#)



127.0.0.1:8000/tracker/add-assignment/

Add New Assignment

Subject
Java

Title
Mini Project

Description
Implement OOPs concepts

Possible Grades
19

Assignment PDF
[Choose file](#) No file chosen

Deadline
30-05-2025 08:10 PM

[X Cancel](#) [Submit Assignment](#)

Student:

EduTrack [Messages](#) [Logout](#)

Welcome, Diksha Jadhav

Priority: [All Priorities](#) Status: [All Statuses](#) [Apply Filters](#)

Sr. No.	Assignment Name	Subject	Faculty	Grade	Deadline	Status	Priority	Action
1	Mini Project	Python	Prerna	-	May 09, 2025	submitted	Medium	View
2	fdvfdsv	pyhton	Prerna	-	May 16, 2025	submitted	Medium	View
3	Mini Project	Java	Prerna	-	May 30, 2025	not submitted	Medium	View

127.0.0.1:8000/tracker/student/assignment/1/

Mini Project

Subject: Python

Description: TO any project

Deadline: May 09, 2025 12:20

Assignment Resources

[Download Assignment PDF](#)

Your Submission

Submitted on: May 08, 2025 05:51

Status: Submitted

PDF Report: [Download](#)

Video Demonstration: [Download](#)

Source Code (ZIP): [Download](#)



Mini Project

Subject: Java

Description: Implement OOPs concepts

Deadline: May 30, 2025 20:10

Assignment Resources

[Download Assignment PDF](#)

Submit Your Work

Submitted pdf: [Choose file](#) No file chosen

Submitted video: [Choose file](#) No file chosen

Submitted zip: [Choose file](#) No file chosen

[Submit Assignment](#)

Admin:

127.0.0.1:8000/admin/tracker/assignmentsubmission/

Django administration

WELCOME, DIKSHA. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Tracker > Assignment submissions

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

- [Groups](#) [+ Add](#)
- [Users](#) [+ Add](#)

TRACKER

- [Assignment submissions](#) [+ Add](#)
- [Assignments](#) [+ Add](#)

Select assignment submission to change

[ADD ASSIGNMENT SUBMISSION](#) +

Action: ----- Go 0 of 6 selected

<input type="checkbox"/>	ASSIGNMENT SUBMISSION
<input type="checkbox"/>	Mini Project - stud2
<input type="checkbox"/>	Mini Project - stud1
<input type="checkbox"/>	fdvfdsv - stud2
<input type="checkbox"/>	fdvfdsv - stud1
<input type="checkbox"/>	Mini Project - stud2
<input type="checkbox"/>	Mini Project - stud1

6 assignment submissions

127.0.0.1:8000/admin/tracker/assignmentsubmission/15/change/

Django administration

WELCOME, DIKSHA. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Tracker > Assignment submissions > fdvfdsv - stud1

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

- [Groups](#) [+ Add](#)
- [Users](#) [+ Add](#)

TRACKER

- [Assignment submissions](#) [+ Add](#)
- [Assignments](#) [+ Add](#)

Change assignment submission

fdvfdsv - stud1 [History](#)

Assignment: fdvfdsv - python [+ Add](#) [+ Edit](#)

Student: stud1 [+ Add](#) [+ Edit](#)

Student name: Diksha

Faculty: fdv1 [+ Add](#) [+ Edit](#)

Faculty name: Pooja

Submitted pdf: [Currently submissions/Tras_Visualization...Diksha_Jadav_0006410560.pdf](#) [Over](#)
[Change](#) [Choose file](#) No file chosen

Submitted video: [Currently submissions/VideoProjectSubmission_Tracker_2025.mp4](#) [Over](#)
[Change](#) [Choose file](#) No file chosen

Submitted zip: [Currently submissions/pps_OreOreka_1,1-1-2025_Sd42RXV.zip](#) [Over](#)
[Change](#) [Choose file](#) No file chosen

Submission time: [Date](#) 2025-05-09 [Time](#) 06:06:31 [New](#) [+ Add](#)
Note: You are 53 hours ahead of server time.

Status: Submitted [v](#)

Grade status: Pending [v](#)

Grade: 0

Priority: Medium [v](#)



127.0.0.1:8000/admin/tracket/assignment/14/change/

Django administration

Home - Tracker - Assignments - Mini Project - Java

Start typing to filter...

Authentication and Authorization

- Groups + Add
- Users + Add

TRACKER

- Assignment submissions + Add
- Assignments + Add

Change assignment

Mini Project - Java HISTORY

Faculty: fac1

Faculty name:

Title:

Description:

Subject:

Possible grades:

Upload path:

Deadline:

6. Public GitHub Repo Link : <https://github.com/DikshaJadhav3110/Project-Tracker>