Study Tracker — Smart Learning Companion

# Project Distinctiveness

This Study Tracker web application stands out for its practical value, user-focused design, and integration of multiple advanced Django features to create a seamless experience for students who want to take control of their academic goals.

What makes this project distinctive is how it moves beyond a basic CRUD (Create, Read, Update, Delete) system to provide:

# Key Distinctive Features

1. Full User Authentication System

- Built using Django’s secure authentication system.

- Includes registration, login, logout, and session expiration on browser close.

- Styled, modern login/register forms with clear instructions and password validation feedback.

2. Custom Goal and Log Tracking

- Users can create specific study goals, set target hours, deadlines, and even a reminder time.

- A study log system allows users to record daily study progress, linking directly to goals.

3. Visual Feedback via Graphs

- Interactive charts display progress toward each goal, offering a clear view of performance.

- Uses AJAX to fetch dynamic data and update charts without page reloads.

4. Automated Email Reminders

- Sends email reminders to the user if the current time matches the reminder time set for any goal.

- Utilizes Django’s SMTP email backend and time-based trigger logic.

5. Dark/Light Theme Toggle

- Provides users the option to switch between light and dark modes.

- The site dynamically adapts its background, form, and text colors based on the theme.

6. Styled UI with Instructional Feedback

- Modern, responsive design using custom CSS.

- Features include:

- Instruction boxes

- Help texts for fields (e.g., password tips)

- Centralized, clean form layouts

# Technical Distinctiveness

- Utilizes Django models, forms, views, template inheritance, and static file handling.

- Integrates AJAX for charts, dynamic email logic, and contextual rendering (e.g., user-based filtering).

- Implements CSRF protection, session handling, and custom redirect logic for improved security and UX.

# Why This Project Matters

Unlike generic task managers or to-do lists, this Study Tracker is tailored for students, helping them:

- Define meaningful study goals

- Stay accountable with progress logs

- Visualize efforts via charts

- Receive reminders at the right time

- Switch between night/day themes for eye comfort

It combines practicality, clean UI/UX, and backend automation — demonstrating full-stack capability using Django in a real-world context.