ASSIGNMENT 02 - Week 3 – Enhance "TechLearn Academy" System

Objective:
This week (Week 03), you learned **Django CRUD, Authentication, Authorization, Decorators, Permissions, Groups, Django Forms, and ModelForms**.
This assignment will extend the project you built last week (Week 02) and make it more functional and realistic.

IMPORTANT NOTE:
If you have not completed last week's assignment, you must complete it first before starting this new assignment. This week's task continues directly from the previous project, so completing the earlier assignment is compulsory.

Before you start writing any code, think about what you're trying to build. Understand the requirements below clearly, plan your approach, and then start coding. This will save you a lot of time and help you build better solutions.

Project Continuation: training_portal
You will continue working on the same project:
Project: training_portal
App: academy

PART 1 — User Authentication
1. Implement Registration
    a. Use Django's default User model.
    b. Use UserCreationForm.
    c. After successful registration, redirect the user to the login page.
2. Implement Login
    a. Use AuthenticationForm
    b. After login, redirect the user to **/academy/courses/** (or home).
    c. Do not show the login/register page to logged-in users.
3. Implement Logout
    a. Add a logout button/link.
    b. After logout, redirect to login page.

PART 2 — PART 2 — Navigation Bar Update
Add a simple navbar visible to everyone:
- Home

- Courses
- Trainers
- Students
- Login / Logout
- Register

PART 3 — Add Action Column

You already built:

- Courses List
- Trainers List
- Students List

Now modify **Trainers List** and **Students List** to include an **Action** column:

- View
- Edit
- Delete

These pages must be created in the frontend (not default Django admin).

PART 4 — User Roles & Restrictions

1. Admin User
   a. Can add/edit/delete/view:
      i. Courses
      ii. Trainers
      iii. Students
2. Trainer User
   a. Can view Students list
   b. Can view Student details
   c. Cannot add/edit/delete students
   d. Cannot modify trainers or courses
3. Student User
   a. Can view Trainers list
   b. Can view Courses list
   c. Cannot add/edit/delete trainers
   d. Cannot add/edit/delete courses
   e. Can view Students list
   f. Cannot view Student detail page (students should not see each other's personal info)

PART 5 — Page Accessibility Rules

- The following pages are public (no login required):
  - Home
  - Course List (only view)
  - Trainer List (only view)
  - Student List (only view, but no student details)

- The following pages must be protected (login required):
  - Add/Edit/Delete Course
  - Add/Edit/Delete Trainer
  - Add/Edit/Delete Student
  - Trainer detail page
  - Student detail page (optional, but if created → protected)

MANDATORY:

Scenario:
A local doctor in your city approaches you and says:

"I want a simple web system to manage my clinic. I should be able to see all patients and their medical history. My receptionist should be able to add new appointments, but must not be able to see medical history. Patients should be able to log in and see only their own appointments and medical history, not anyone else's."

Explain in your own simple words, how you would design this system? No ChatGPT.
Do not write code, just explain your approach as a software developer.

SUBMISSION INSTRUCTION

Please submit your assignment in two parts:

PART 1 — Project Link (Choose ONE)

You can submit your project in any one of the following ways:

Option A: GitHub Link (If you already know GitHub)
Upload your project files to GitHub and share the public link.

Option B: Google Drive Link (If you don't know GitHub)
Upload your full project folder to Google Drive and share the view-only link.

PART 2 — Upload a ZIP File on Tech With Rathan

Upload one ZIP file in the LMS that contains:
A folder named "screenshots"

Inside it, include the screenshots of various pages.

Important Notes:

Do NOT upload the full project on Tech With Rathan

Make sure all screenshots are clear.

Your ZIP file must be small and only contain the files required.

Example screenshot:

https://snipboard.io/N0cUTS.jpg

All the best,

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Tech With Rathan