Daffodil International Professional Training Institute

Demonstration – 04

Qualification: Web Application Development with Python

Batch: WADP-L4-B5

Time: 2 hours   **Marks:** 100

Question:

Build a Django project named student_todo_system, where students can register, log in, and log out. After authentication, students will be able to perform CRUD operations on both: Student and To-Do Model.

- After run the server open Registration Page. From this page student can register their account. This data store on the User Model
- Then, form the login page then can logged in their account using the username and password.
- After that, student can CREATE, READ, UPDATE and DELETE on the both Student and ToDo model.

Project Setup:

- **Project Name:** student_todo_system
- **App Name:** student
- **Model:** User Model, StudentModel and ToDoModel

User Model:

This is the Django authentication model. Used following fields to register the user:

- username
- email
- password

Student model:

- **name:** To store the student's full name.
- **roll_no:** To store a unique roll number.

- **department:** To store the student password.
- **student_image**
- **created_at:** To store the creation timestamp.

To-Do model:

- **title:** A CharField to store the title of the tasks.
- **description:** A TextField to store the description.
- **status:** A CharField to store the status of the task. Like: Completed, Pending.
- **due_date:** A DateField to store the due_date. The deadline or date by which the task should be completed.
- **created_at:** A DateTimeField to automatically store the task creation time.

Templates and Navigation:

Create a master layout using HTML and CSS that includes the following links:

- **Home:** Welcome page or dashboard after login. Display all the tasks in a table with these columns: Title, Description, Status, Due Date.

- **Register:** To register user, used all the fields of the User Model.

- **Login**

- **Logout**

- **Add Student**

- **Student List**

- **Add Task:** From this page user can create their task
- **Task List:** Show the task as Card wise.

**Note: Also create details view page for the task and student. Don't create the User Model This is the Djnago build in model.