Assessment: To-Do Application Development

Objective

Develop a full-stack To-Do application with user authentication and CRUD operations using:

- **Backend:** Django or FastAPI
- **Database:** SQLite or PostgreSQL
- **Frontend:** React / Next.js / HTML-CSS-Bootstap/Tailwindcss
- **API:** RESTful

Note: Use any additional libraries as needed .

Duration

2 Days

Deliverables

1. Source code (backend + frontend)
2. API documentation (Swagger/Postman collection or Markdown)
3. Screenshots or screencast showing app functionality
4. Deployment steps (README)

Functionality

Authentication

- Register
- Login

Tasks (CRUD)

- Create, Read, Update, Delete task

- Only authenticated users can manage their own tasks

- Tasks must show: title, description, status, due date

Frontend

- Register/Login form

- Task creation form

- Task list view (with status toggle, delete/edit buttons)

- Task detail view (optional)

Bonus (Optional)

- JWT Authentication

- Task filtering (completed/incomplete/upcoming)

- Drag-and-drop ordering

- Dockerized setup