

Comsats University Islamabad



Lab Assignment 4

Submitted By:	Muhammad Danyal Rana
Registration No.	FA22-BCS-057
Course Title:	CSC-336
Submitted To:	Mam Sadia Maqbool
Date:	17 December 2024

To-do List Management Application

Router and Routing Table Entries:

METHOD	URI	RESOURCE
GET	/	Show Home Page (All To-Do Tasks)
POST	/add	Add New Task
PUT	/edit/:id	Edit Task with ID
DELETE	/delete/:id	Delete Task with ID
GET	/tasks/all	View All Tasks
GET	/tasks/active	View Active Tasks
GET	/tasks/completed	View Completed Tasks

Explanation:

1. **GET /**: The main route shows the To-Do list home page displaying all tasks.
2. **POST /add**: Adds a new task to the to-do list.
3. **PUT /edit/:id**: Updates an existing task using its unique ID.
4. **DELETE /delete/:id**: Deletes a task based on its ID.
5. **GET /tasks/all**: Retrieves and displays all tasks.
6. **GET /tasks/active**: Filters and displays only active tasks.
7. **GET /tasks/completed**: Filters and displays only completed tasks.