



COMSATS University Islamabad, Vehari Campus

Department of Computer Science

Lab Mid Term Exam

Fall-2025

CSC337 Advanced Web Technologies

Class: BSSE

Instructor: Yasmeen Jana

Marks: 25

Submission Date: 24/10/2025

Name: _____

Reg. No: _____

CLO NO	Course Learning Outcome	Blooms Taxonomy Learning Level
CLO 5	Design REST API based web server for web application.	Creating

Note: You are required to submit a ZIP file that includes the source code, along with a Word or PDF document containing the code and a demonstration video.

Q1: Design and implement a RESTful API for a topic of your choice using Node.js, Express.js, and MongoDB, applying key course concepts.

Category	Criteria	Marks
A. Design (8 marks)	Problem Statement & Requirements	2
	Resource Model & URIs	2
	HTTP Methods & Status Codes	2
	JSON Structure & Schema	2
Subtotal (A)		8
B. Implementation (14 marks)	Project Structure & Code Quality	2
	Endpoints (CRUD)	4
	Validation & Error Handling	2

	Authentication / Security	2
	Database Integration	2
	Documentation / Testing	2
Subtotal (B)		14
C. Viva (3 marks)	Understanding of Design & Implementation	2
	Q&A	1
Subtotal (C)		3
TOTAL MARKS		25