

Advanced Programming with .Net

Project Submission Details:

- Each student is assigned an individual project. Your task is to develop the project following these specifications:
- Implement a 3-tier architecture, where the Application Layer is developed using ASP.NET Web API.
- Perform all database operations using Entity Framework, either through Database First or Code First approach.
- Ensure proper implementation of SOLID principles throughout your codebase.
- **Projects that include only basic CRUD operations will be eligible for an average grade (C to B+, depending on database design and code quality).**
- **To achieve an A or A+, you must implement at least three additional features beyond CRUD that demonstrate your understanding of modern web application development (e.g. analytical reports, file upload, complex search/filtering, notification, emailing etc).**
- **Also be prepared for a viva to judge the overall knowledge you gain in this course.**
- **Don't try to copy or include any code that you can't answer.**
- Submission Deadline: 26th June, 10:30 AM.

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Student Id	Project Title	Short Description
18-39121-3	Library Management System	Handle books, borrowers, and loan transactions.
20-42618-1	Employee Leave Management	Track leaves, employees, and leave approvals.
20-42748-1	Inventory Management System	Manage products, categories, and stock levels.
20-42965-1	Online Voting System	Create and manage elections, candidates, and votes.
20-43206-1	E-commerce Backend	Product catalog, cart, order, and user management.
20-43248-1	Hospital Appointment System	Book doctor appointments and manage schedules.
20-44278-3	Task Management API	Create and assign tasks with project tracking.
21-44523-1	Blog Management System	CRUD operations for users, posts, and comments.
21-44713-1	Online Exam System	Manage questions, students, exams, and results.
21-44979-2	Issue Tracking System	Track bugs and feature requests with statuses.
21-44983-2	Restaurant Menu API	Manage menu items, orders, and tables.
21-45016-2	Vehicle Service Booking	Service scheduling for vehicles and customers.
21-45389-3	Course Registration API	Enroll students into courses and manage availability.
21-45390-3	Clinic Patient Records	Track patients, prescriptions, and diagnoses.
21-45400-3	Hotel Booking System	Manage room availability, bookings, and guests.
21-45445-3	Online Learning Platform	Manage courses, modules, and enrollments.
21-45658-3	Parcel Tracking API	Track parcels, delivery status, and sender/receiver info.
21-45688-3	Job Portal API	Post jobs, apply, and manage candidates and recruiters.
21-45863-3	Event Management System	Create and register for events, manage attendees.
21-45887-3	Gym Membership System	Track members, plans, and attendance.
21-45890-3	Fitness Tracker API	Log workouts, goals, and progress tracking.
21-45891-3	Real Estate Listing API	List properties, filter, and manage inquiries.
21-45909-3	Budget Planning API	Manage personal or business income/expenses.
21-45940-3	CRM System	Handle leads, contacts, and sales tracking.
22-46331-1	Donation Management System	Track donations, donors, and causes.
22-46608-1	Document Management System	Upload, tag, and search documents.
22-46620-1	School Timetable Scheduler	Generate and manage class schedules.
22-46678-1	Attendance Tracker	Track and report student/employee attendance.
22-46773-1	Bookstore API	Manage book inventory, sales, and orders.
22-46824-1	Customer Feedback System	Submit and manage reviews or support tickets.
22-46827-1	Warehouse Management	Track inventory, shipments, and locations.
22-47074-1	News Aggregator API	Fetch and categorize news articles.
22-47078-1	Clinic Appointment Scheduler	Schedule patient appointments and notify.
22-47118-1	Loan Management System	Track loans, payments, and interest.
22-47226-1	Online Grocery API	Browse products, manage cart, place orders.
22-47325-1	Transport Booking API	Manage bus/train schedules and reservations.
22-47384-2	Insurance Claim Management	Track claims, policies, and approvals.
22-47478-2	Pet Adoption API	List adoptable pets, manage applications.
22-48248-2	Pharmacy Inventory System	Track medicines, sales, and restocking.