

.NET Week 6 Coding Challenge - C#.NET Programming Assessment.

Date: 16-10-2023

Duration: 4 Hours.

Section - 1

Choose any 1 problem statement from the given problems.

Problem 1: Online Inventory Management System

You are tasked with creating an Online Inventory Management System for a retail store. The system should allow users to add new products to the database, update existing product details, view the current inventory, and generate reports on product sales. Design and implement the ADO.NET data access layer to interact with the database, perform CRUD (Create, Read, Update, Delete) operations, and retrieve data for generating sales reports.

Problem 2: Student Enrollment System

You are developing a Student Enrollment System for a university. The system needs to handle student registration, course assignments, and grading. Implement the ADO.NET components to manage student records, enroll students in courses, and record and retrieve their grades. Ensure that the system maintains referential integrity between the student, course, and grade tables.

Section - 2

Complete the following problem statement.

Problem 1: E-Commerce Website with Inventory Management

You are tasked with building an e-commerce website for a retail business that sells various products. To implement the inventory management, you need to use Entity Framework Core to store and update product availability in a database. Use the new Scaffolded Item to create automation of the code for CRUD operations.
