

Group Project Overview

Group Project Introduction

In this module we will cover various C# .NET integration with database approaches, including ADO.NET datasets, entity framework, entity framework core, classes, object-oriented, n-tier applications, test-driven development , as well as various testing types, including UNIT, SYSTEM, GUI and performance using Visual Studio IDE with Windows programs.

Your assignments related to this topic are the Final Project deliverables where you will be assessed on your ability to develop a C# .NET Windows program based on your understanding of the provided program requirements. The students will be evaluated as a group based on their scores on the assignment.

Learning Objectives

This module supports the following Course Learning Objective(s):

- CLO 1: Integrate the Application Framework, Message Passing and Event Handling
- CLO 2: Use the graphics interface using Colors, Pens, Brushes, Fonts for Text and Shapes
- CLO 3: Employ Modal and Modeless Dialog Windows
- CLO 4: Use Menus, Keyboard Accelerators, Toolbars and Status Bars
- CLO 5: Construct Document and Dialog based applications
- CLO 6: Use Common Controls and Dialogs
- CLO 7: Use Database Connectivity, Serialization, Drag and Drop, and Multithreaded Programming
- CLO 8: Analyze programming for a visual environment

At the end of this module, students should be able to:

Assignment(s) Learning Objective(s)	
Group Project	MLO1: Relate program requirements. (CO 1, CO 2, CO 3, CO 4, CO 5, CO 6, CO 7, CO 8) MLO 2: Construct n-tier design. (CO 1, CO 2, CO 3, CO 4, CO 5, CO 6, CO 7, CO 8)

MLO 3: Develop and test C# .NET Windows program using GUI controls and logic.
(CO 1, CO 2, CO 3, CO 4, CO 5, CO 6, CO 7, CO 8)

Learning Objective and Assignment Table

Task List

1. Complete and submit final group project phase 4.
2. Complete Team Assessment Form.