



# *Module 7*

# Practical Case Study

## I. Real-World Scenarios

- Case studies of data structures and algorithms in various applications
- Group discussions and problem-solving exercises

## II. Developing Your Project

- Creating a project using data structures and algorithms in C#
- Setting goals and milestones

## III. Assessment:

- Quizzes and assignments at the end of each module
- Group projects and presentations
- Final project: Develop a comprehensive application using data structures and algorithms in C#

## IV. Materials Needed:

- Course textbook and supplementary readings
- Access to a computer and internet for online resources
- Integrated Development Environment (IDE) for C# (e.g., Visual Studio)

This outline provides a detailed structure for a 45-hour course on Data Structures and Algorithms in C#. Feel free to adjust the content and timing based on your specific needs and audience. If you need further assistance, just let me know!

