

## **C# Skill Assesment Project**

### **Project Title: Todo List Console Application**

The objective of this project is to create a console application for managing a todo list. The application should allow users to perform the following tasks:

1. Add a task:
  - Prompt the user to enter the task's title, description, and due date.
  - Store the task's information in memory.
2. Display task information:
  - Allow the user to view the details of a specific task by searching for it by title.
  - Display the task's title, description, and due date.
3. Mark a task as complete:
  - Prompt the user to enter the title of the task to mark as complete.
  - Update the task's status and display a confirmation message.
4. Display all tasks:
  - Display the information of all tasks, including the title, description, due date, and status (complete/incomplete).
5. Delete a task:
  - Prompt the user to enter the title of the task to delete.
  - Remove the task from the todo list and display a confirmation message.
6. Exit the application:
  - Provide an option to exit the application gracefully.

### Project Requirements:

- Use appropriate classes and objects to model tasks and their properties.
- Implement error handling to handle invalid user inputs.
- Utilize loops and conditional statements for user interaction and program flow control.
- Write clean and readable code with meaningful comments where necessary.
- Avoid the use of external libraries or frameworks.
- Use a version controlling tools like GitHub.

### Evaluation Criteria:

- Correctness of the implemented features.
- Proper use of C# language constructs and syntax.
- Code organization and readability.
- Error handling and input validation.
- Efficient implementation and algorithm design.
- Effective utilization of classes and objects.