SECJ2013 DATA STRUCTURES AND ALGORITHMS

SEMESTER 1 2020/2021

MINI PROJECT AND DEMO PRESENTATION - GROUP (10%)

Objectives

1. Develop medium-scale programs as a group assignment by applying data structure concepts in problem-solving (CLO3).
2. Ability to design and construct computer programs using standard approaches (PLO2).
3. Ability to work effectively in a team (PLO7).

The title of the case study (project) that you have been started from Assignment 1 (using Sorting) and Assignment 2 (using Searching and Linked List), then now continue for Mini Project (using Stack, Queue, Tree). All are developed in C++.

Group	**Inventory Management**
1 Ruhul Quddus Tamim (Leader) Md Yusuf Bin Forkan Shafi Ahmed	**Book**
2 Syafiq Ibnu Ramadhan (Leader) Muhammad Uzair Fahimie Bin Muhammad Nordin @ Norodon Fadly Maulana Nasution	**Welcome to The Biggest Baddest International Sport Event!**
3 Syed Farqaleet Bukhari (Leader) Eyad Reda Abdallah Mohgoub Almabrouk Alhamli Guma Khalleefah	**Library**

Tasks

Implement Stack, Queue, Tree into mini project in order to improve from assignment 1 and assignment 2 to make the system completely.

Demo Presentation (Week 15)

Prepare PowerPoint slides consists of:

- Introduction and design for Assignment 1, Assignment 2, and Mini Project.
- Demo the Prototype.

Provide Report consists of:

- Objective for Assignment 1, Assignment 2, and Mini Project.
- Synopsis for Assignment 1, Assignment 2, and Mini Project.
- Design:
    - Use case diagram for Assignment 1, Assignment 2, and Mini Project.
    - Use Case description for Mini Project.
    - Flow chart for Mini Project.
- Appendix – Data Files, Source Codes for Assignment 1, Assignment 2, and Mini Project.