TeamWork

Synthesis Report

1. Description

Work in groups to synthesize learned data structures and algorithms. From there, develop new data structures, algorithms, or application contexts.

2. Requirements

The group's goals to accomplish include the following:

- Representing learned knowledge
- Provide more illustrative examples
- Explore new application contexts (not included in the theoretical and lab work), and implement and explain the solution. An application context is a combination of many structures and algorithms to solve a real-world problem.
- Search for new structures, new algorithms.

You can reference materials on the internet to synthesize knowledge but must rewrite them in your own words. Copy and paste will be considered plagiarism. Images are reusable without redrawing.

Programs only need to be executed in console mode without a graphic user interface (GUI).

Should not represent the algorithms that are too simple or trivial.

3. Assessments

No.	Criteria	Scores
1	Representing learned knowledge	30%
2	Provide at least three illustrative examples for each topic	10%
3	Present at least ten applications	20%
4	Explore at least five new structures, and new algorithms	20%
5	The report has a clear structure, reasonable presentation, thorough explanations and lots of illustrations.	10%
6	Complexity, completeness, as well as a large number of studies	10%
Total		100%

4. Notices

- This is a **GROUP** assignment. Each group has a maximum of 5 members.
- Duration: about 4-5 weeks.
- The report can be written in English (recommended) or Vietnamese.
- The report and other materials are submitted on Moodle. If the total size is larger than 20 MB, you upload your work to a cloud, open share mode, and submit the link to Moodle.
- Besides the above requirements, the report must also give the following information:
  - Your detailed information (Student Id, Full Name)
  - Assignment Plan
  - Report your work
  - Estimating the degree of completion level for each requirement.
  - References (if any)
- Any plagiarism, any tricks, or any lie will have a 0 point for the COURSE grade.