

CSCI 5308 Assignment 3

Due date: 11:59pm, Friday, Jul 26, 2021, submitted via Brightspace

Objectives:

Relate the topics studied in class with the practice in developing the group project.

Preparation:

Use your group project source code.

Problem Statement

You have three main tasks in this assignment:

- Describe the use of SOLID principles in your project.
- Describe the use of layers in your project.
- Describe the opportunities for refactoring and improvements in your project using design patterns.

Task

1. **[45 marks]** Describe three (3) SOLID principles applied in your project. Provide:
 - a) A description of the functionality or part of the code where this principle is applied (method, class, or statement).
 - b) A description of why such SOLID principle was applied in this part of the code (method, class, or statement).
 - c) A description of what problems would be triggered in your project if the SOLID principle is not applied.
2. **[30 marks]** Describe how your project is organized in layers. Give:
 - a) A description of the presentation layer.
 - b) A description of the business logic layer.
 - c) A description of the database layer.
3. **[25 marks]** Describe five (5) design patterns that are applied in your code now or that can be applied in your code in the future. Provide:
 - a) A description of the functionality or part of the code where the pattern is applied/will be (method, class, or statement).
 - b) A description of why such pattern was/can be applied in this part of the code (method, class, or statement).
 - c) A description of what problems are avoided in your code by applying such pattern.

Submission

1. Edit this document with your written answers.
2. Submit your answers to Brightspace.

Answers

Add your written answers here.