

Object Oriented Analysis and Design (SS ZG514)

Assignment – Phase 2

Last Date for Submission: 20th November 2018 (Tuesday)

1. Objective:

The aim of this assignment is to develop the capabilities of the students to be able to apply various design patterns to a given case study.

2. Tasks to be performed:

For the already chosen case study in Phase 1,

- Identify at least **two GOF Design Patterns** that can be used. Provide details of how these patterns can be applied in order to improve the Object-Oriented design of the system. Also provide implementation (Java code or pseudo code) of at least one of them.
- Identify at least **two GRASP Design Patterns** that can be used. Provide details of how these patterns can be applied in order to improve the Object-Oriented design of the system.

Note:

- You must work with the same group as Phase 1.
- No change of groups would be allowed.

3. Expected Deliverables

- Design diagrams to explain how the selected design patterns can be applied in the case study.
- Properly documented code (written in Java or pseudo code) to explain how the pattern would be implemented.