CSE 460: Software Analysis and Design

Directory Management System Phase I Submission

Directions:

Complete your work for Phase I Parts 1 and 2 in this document. Save and submit as a **single** PDF titled "Last Name_First Name_Directory Management System Project_Phase I_Submission".

Phase I, Part 1

Use the Astah tool to draw the class diagram for the current implementation of the university system. Use correct UML notations. When you have completed the diagram, take a clear screenshot and paste it in the space provided.

Phase I, Part 2

In the code, identify object-oriented concept violations, content coupling, common coupling, control coupling and stamp coupling situations. Copy and paste the code segments that shows each coupling situation in the space provided. *You may use additional space as necessary.*

1. **Object-Oriented Concept Violations**
   [paste code segments here]

   How would you fix these violations?
   [Write your answer in this space.]

2. **Content Coupling**
   [paste code segments here]

   How would you fix this?
   [Write your answer in this space.]

3. **Common Coupling**
   [paste code segments here]

   How would you fix this?
   [Write your answer in this space.]

4. **Control Coupling**
   [paste code segments here]

   How would you fix this?
   [Write your answer in this space.]

5. **Stamp Coupling**
   [paste code segments here]