

Lab Assignment

Week 5

Download the latest VPP file, **Week5-assignment.vpp**

Objectives: We want to apply the **creator, information expert, low-coupling, high-cohesion** design patterns to the classes given in the model in order to implement the use-cases shown.

Steps:

1. Study the use cases provided plus the notes
2. For each use case, create a new sequence diagram and model the object interactions.
3. You may see from step 2 that the class has some deficiencies, such as missing methods etc. Add the methods and iterate back to the sequence diagram,
4. Make sure at all times to apply the **creator, information expert, low-coupling, high-cohesion** design patterns to your work. (this impacts both dynamic and static models)
5. Be sure to fix all quality problems as you proceed. At the very beginning, the use case view has quality problems. Identify and fix these first.
6. Generate the Java code frequently to ensure the model is correct.
7. Please save your work as you proceed. Occasionally the tool has been known to freeze so take regular backups.

Lab Artifacts:

At the end of this lab you should have a completed class diagram, a glossary of terms, FIVE sequence diagrams (one for each use case).

You must now upload the file using the link provided