

Software Engineering 2 Assignment

Construct UML diagrams (thru ArgoUML or similar tool) for the Accounts Receivable example in Design by Contract notes.

Build detailed USE model for this example. You are expected to write invariants, preconditions and postconditions and test them. Use the SOIL Action language where you can for method bodies. The !openter !opexit test is important for pre and post conditions. SOIL code changes how testing is done. Look up the USE documentation on this and lecture demonstrations.

Alternatively you can do the above for a system of your own choice.

All the above must be put in a report along with a discussion and analysis, i.e. copy diagrams and screen captures to your Word document.

Report is expected to have class diagrams and any other relevant UML diagrams as well as diagrams/screen captures from USE.

Demoing in Lab

The .use model must be demoed in the lab where it will be marked. It should include invariant pre and post condition testing of OCL constraints.

Submission

Report and USE files (.use .clt and .soil) to be submitted thru Webcourses. **Do not submit** compressed files like zip, rar etc.