Software Engineering with Objects and Components Practical Work: Tutorial 5

This is your fifth tutorial. At this point you commence work on the second deliverable for SEOC. In this part of the practical you begin to work towards creating an implementation for your system. The goals of the practical are:

- 1. To begin preparation for creating deliverable 2.
- 2. To practice creating activity diagrams.
- 3. To consider how to integrate more than one activity diagram.

Team Instructions

You have 50 minutes to create an activity diagram for your system.

Tutorial Outcomes

By the end of this tutorial your group should

- 1. Gained some experience of creating an activity diagram to document the workflow in a use case.
- 2. Gained some experience in merging activity diagrams.
- 3. Have a preliminary activity diagram for your part of the system.
- 4. Your team should also take this opportunity to discuss how to organise for the creation of the second deliverable.

Tutorial Activities

An Activity Diagram [50mins]

The activity is structured in the following way (note that this is very tightly timed – your tutor will enforce these so the activity fits in the available time). For deliverable 2 you will work in the same teams as for deliverable 1. Your group should decide on two (related) use cases that you will work on. The aim of this practical is to gain experience of creating an activity diagram that captures the workflow of a use case and to gain experience of merging two activity diagrams to create a composite activity diagram merging the activity of two use cases.

The team should consider the two use cases (and any relevant ones) selected. Note that your choices need to take into account requirements priorities with respect to main functionalities and team interactions.

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Draw Activity Diagram	
Draw Activity Diagram	
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Collectively The whole team should attempt to merge the two activity diagrams you have created to produce an activity diagram that captures the workflow of both use cases you are considering. Draw your ideas together to create an agreed activity diagram for your chosen use case.
Draw Activity Diagram