

# COMP 3111: Software Engineering

## Lab Activity: Use-case Modeling Using Rational Software Modeler Create the *HKInvest* Use-case Model Use-case Diagram



If you have not attended the tutorial or read the tutorial and lab notes for *Use-case Modeling Using Rational Software Modeler*, you may not know how to complete this lab activity. Attending the tutorial will help ensure that you are able to complete the lab activity during the lab session.

### LAB OBJECTIVE

In this lab activity you will use Rational Software Modeler (RSM) to create the use-case diagram for the *HKInvest* securities portfolio management system.

### CREATE THE *HKINVEST* USE-CASE MODEL USE-CASE DIAGRAM

1. Start Rational Software Modeler and open the “HKInvestModels” workspace that you created in the previous lab.
2. Create a new use-case model using the following settings (see page 11 of the notes).  
First UML Model – Create Model window  
Create model from: Standard template  
Second UML Model – Create Model window  
Categories: Requirements  
Templates: Blank Use Case Package  
File name: Use Case Model

**Note:** You should create your use-case diagram using a “Blank Use Case Package” rather than a “Use Case Package”.

3. Create the use-case diagram for the *HKInvest* securities portfolio management system use-case model from the requirements given in the course project problem statement.

**Note:** It is expected that you will make a real effort to construct an accurate and complete use-case diagram. If it is determined that you have not made such an effort, you will get no credit for this lab.

### HOW TO GET THE CREDIT FOR THIS LAB

To get the full credit for this lab, you must submit, by 5 p.m. March 22 via Canvas, a screenshot of your use-case model use-case diagram for the *HKInvest* securities portfolio management system. To submit your screenshot, click on “Lab 7” in the Assignments section of Canvas, and then click the “Submit Assignment” button to upload the screenshot file. To check your submission, click the “Submission Details” button on the right side. For help, click the “Help” button at the top-right of Canvas.

Besides the actors and use cases needed for the *HKInvest* web shopping system, your use-case diagram should also contain one additional “special” actor in the top right corner of the class diagram showing your name and your student number as the actor name as shown in Figure 1. (Delete this actor from your use-case diagram after the lab.)

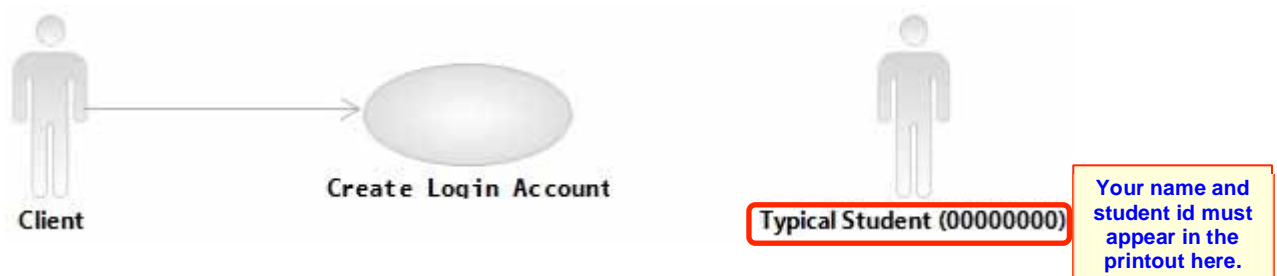


Figure 1: Example of part of the use-case diagram showing your “special” actor.