

# ITSS SOFTWARE DEVELOPMENT/ SOFTWARE DESIGN AND CONSTRUCTION

## Lab 01-Use case diagram

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### 1. SUBMISSION GUIDELINES

You are required to push all your work to the valid GitHub repository complying with the naming convention:

“<MSTeamName>-<StudentID>.<StudentName>”.

For this lab, you have to turn in your work twice before the following deadlines:

- **Right after class:** Push all the work you have done during class time to Github.
- **10 PM two days after the class:** Create a branch named “*release/lab01*” in your GitHub repository and push the full submission for this lab, including in-class tasks and homework assignments, to this branch.

### 2. IN-CLASS TASKS

In this section, we will get familiar with the requirement modeling process and practice with use case diagram for the Case Study.

You are asked to work individually for this section, and then put all your work (.astah files) and exported file(s) to a directory, namely “*Requirement Analysis*”. After that, push your commit to your repository before the announced deadline.

#### 2.1. USE CASE DIAGRAM WITH ASTAH

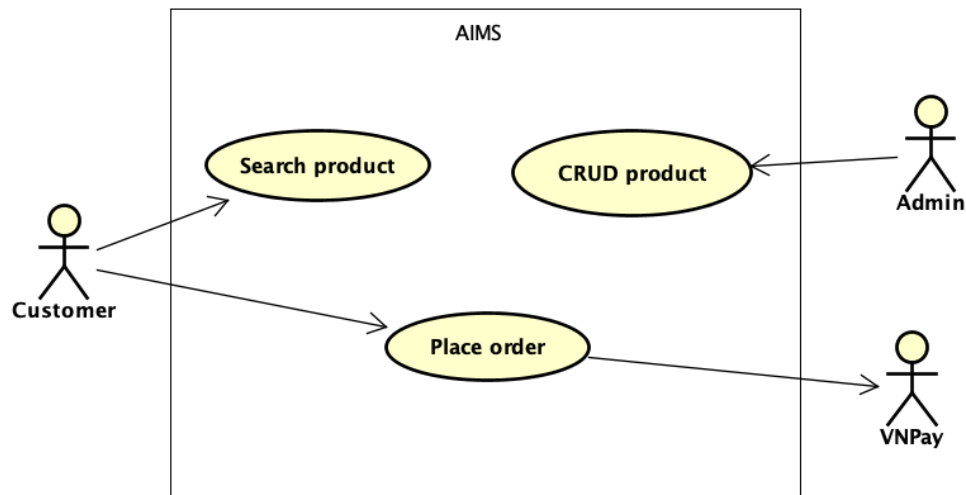
Please see the following link to know how to make a use case diagram with Astah.

<https://astah.net/support/astah-pro/user-guide/usecase-diagram/>

#### 2.2. USE CASE DIAGRAM FOR THE CASE STUDY

**In this part, you are asked to draw the Use case diagram for AIMS Project by using Astah.** When you finish drawing the diagram, export your diagram to a PNG

file. Please create a directory named ***“Use case diagram”*** inside the directory **“Requirement Analysis”** to store your diagram (include both .astah file and exported PNG file).



*Figure 1-An Example of (a portion of) Use Case Diagram for AIMS.*

Figure 1 is merely an example of a portion of a use case diagram for AIMS. Please refer to the problem statement of AIMS for further details, and proceed to complete the use case diagram accordingly.

### 2.3. OUTLINING USE CASES

**In this part, you are asked to outline use cases in the AIMS Project.** Specifically, you have to write the outline for all the use cases to place an order, including:

- Basic flow of the event
- Alternative flows of the event

Please name the outline file ***“PlaceOrder\_Outline.md”*** and create a folder named ***“Use case outlines”*** inside the **“Requirement Analysis”** folder to store the outline.