

# ITSS SOFTWARE DEVELOPMENT/ SOFTWARE DESIGN AND CONSTRUCTION

## Assignment 3. Software requirement specification

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### 1. SUBMISSION GUIDELINES

When you want to submit your individual work for the Case Study, you have to push your work to your individual GitHub repository, complied with the naming convention “TeamName-StudentID.StudentName” (e.g. “ISD. 20232-20202012.HoangNghiaPhu”).

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 the day before the next class:** Create a branch named “*release/lab03*” in your GitHub repository and push the full submission for this lab, including in-class tasks and homework assignments, to this branch.

### 2. ACTIVITY DIAGRAM

#### 2.1.1. Activity diagram with Astah

Please see the following link to know how to make an activity diagram with Astah.

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

#### 2.1.2. Activity diagram of UC “Pay Order”

In this part, you are asked to draw the following activity diagram for UC “Pay Order” by using Astah. When you finish the task of this part, please export your work to a PNG file, namely “Activity Diagram – Pay order,” and save your work in a directory, namely “Activity diagrams.”

#### 2.1.3. Activity diagram(s) of UC “Place Order” with “Place Rush Order”

In this part, you are asked to draw activity diagram(s) of UC “Place Order” with “Place Rush Order” by using Astah. If you consider “Place Rush Order” as an extension use case, you need to two activity diagrams: one for UC “Place Order”, another for UC “Place Rush Order”. Otherwise, one activity diagram is enough.

When you finish the task of this part, please export your work to a PNG file, namely “Activity Diagram – Place order” and “Activity Diagram – Place rush order”, save your work in a directory, namely “Activity Diagrams”.

### **3. SOFTWARE REQUIREMENT SPECIFICATION**

Complete the Software Requirement Specification for the AIMS Project following the template including:

- Use case diagram(s) for AIMS: A general use case diagram and lower-level use case diagrams (if any).
- Business processes of AIMS, e.g. the process to place an order, from searching media items until making the order successfully or the process to manage the order.
- Use case specification for all use cases related to place order starting when the user ask to place an order until the order is made successfully.
- Supplementary requirement (non-functional requirements)
- Glossary.