ITSS SOFTWARE DEVELOPMENT
Lab 04-Analysis Class Diagram

Lecturer: NGUYEN Thi Thu Trang, trangntt@soict.hust.edu.vn

1. SUBMISSION GUIDELINE

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 the day after the class**: Create a branch named "***release/lab04***" in your GitHub repository and push the full submission for this lab, including in-class tasks and homework assignments, to this branch.
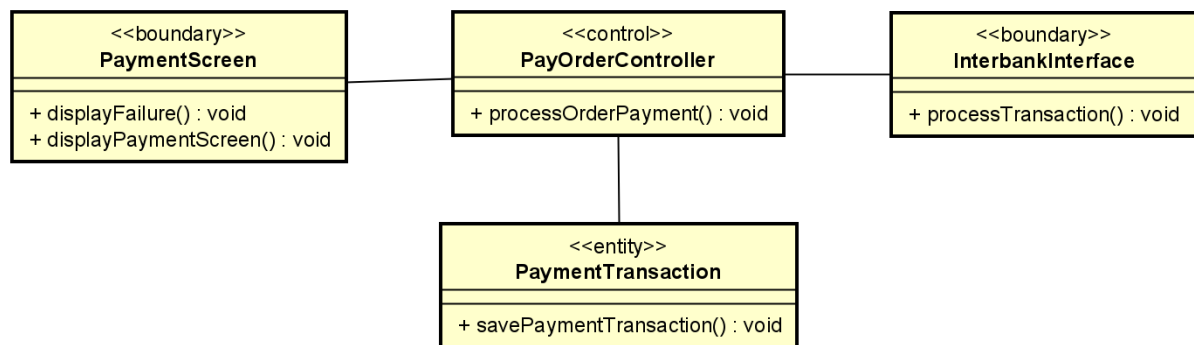
2. IN-CLASS ASSIGNMENT

In this section, we will get familiar with the architecture design process and practice with analysis class diagrams and the unified analysis class diagram for the Case Study.

You are asked to work individually for this section, and then put all your files (including both .astah files and exported PNG files) and sub-directories in a parent directory, namely "***Architectural Design***". After that, push your commit to your individual repository before the announced deadline.
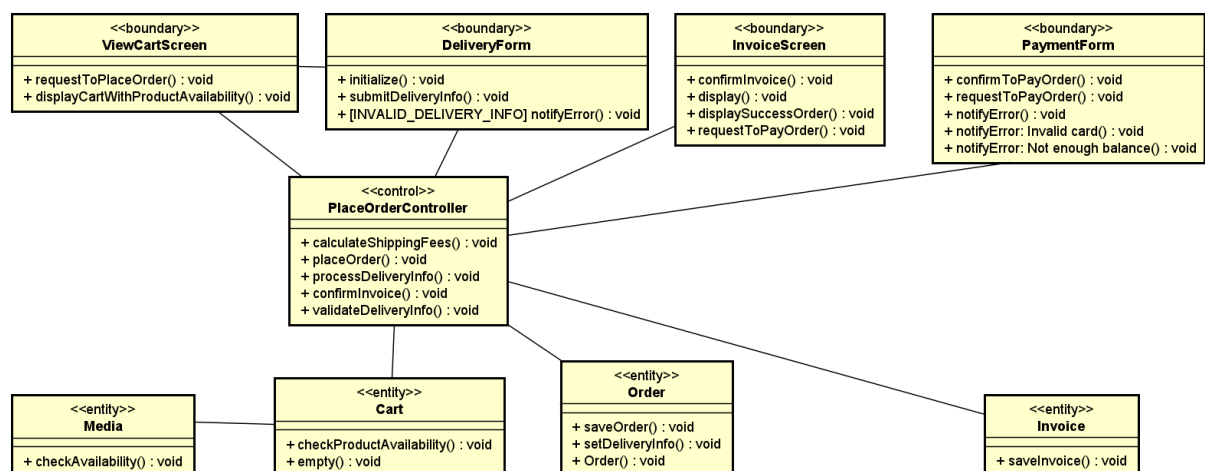
2.1. ANALYSIS CLASS DIAGRAM OF UC "PAY ORDER"

From either the communication diagram or the sequence diagram of UC "Pay Order" made in the previous lab, we can achieve the analysis class diagram as follows. Please remember to add necessary attributes for classes, based on the input/output data specifications.
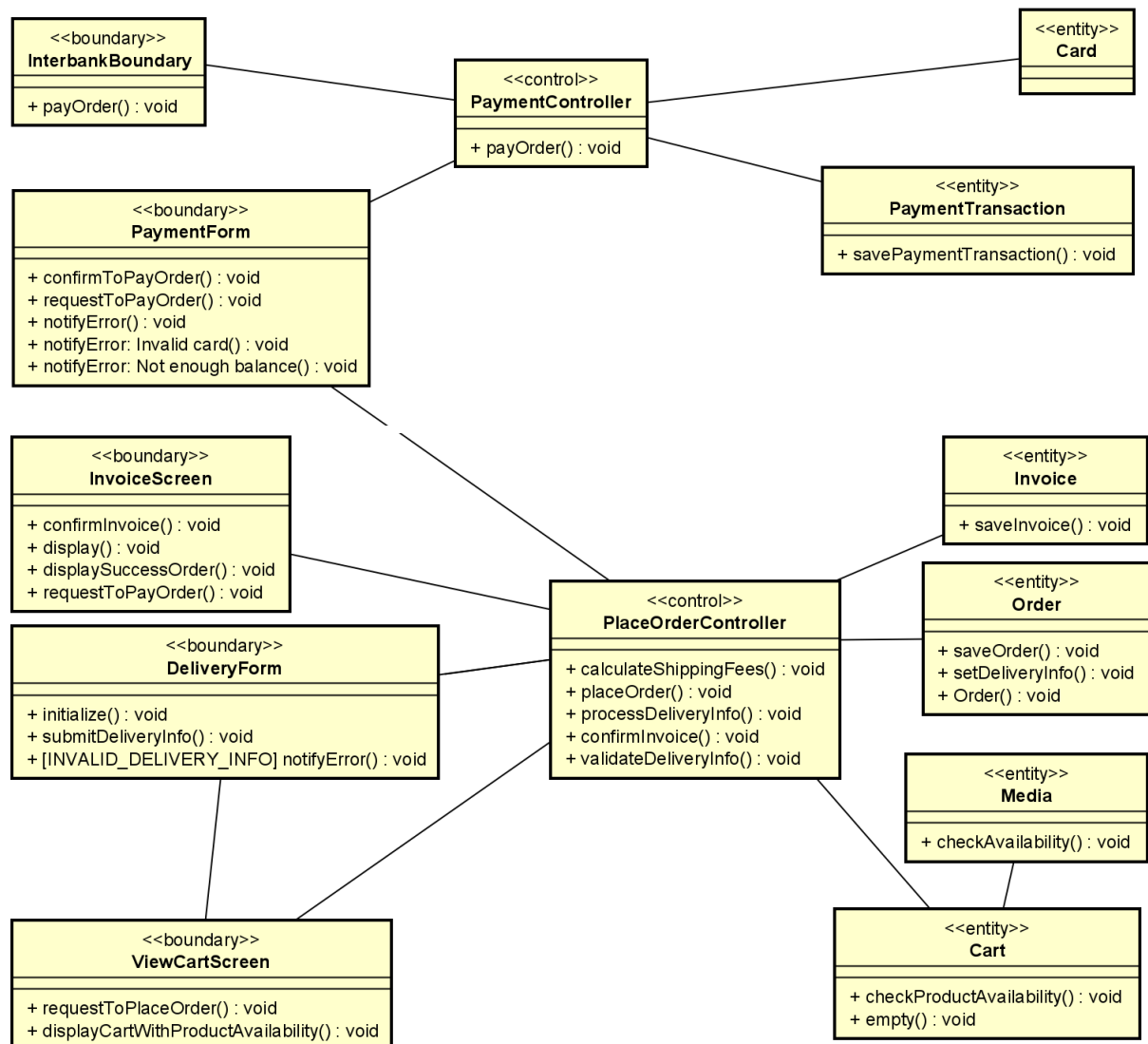
2.2. ANALYSIS CLASS DIAGRAM FOR UC "PLACE ORDER"

From either the communication diagram or the sequence diagram of UC "Place Order" made in the previous lab, we can achieve the analysis class diagram as follows. Please remember to add necessary attributes for classes, based on the input/output data specifications.

2.3. MERGED ANALYSIS CLASS DIAGRAM FOR UC "PLACE ORDER" WITH "PAY ORDER"

You are asked to design the analysis diagram for UC "Place Order" merged with UC "Pay Order."

When you complete the tasks, please export your work to PNG files and push them to GitHub. Do not forget to add necessary attributes for classes, based on the input/output data specifications.

3. HOMEWORK ASSIGNMENTS

Merged Analysis class diagram: In this assignment, **you are asked to draw the analysis diagram for UC "Place rush order", and then the merged diagram of "Place order", "Place rush order" and "Pay order".**

When you complete the assignment, please export your work to PNG file and push it to GitHub. Do not forget to add necessary attributes for classes, based on the input/output data specifications.