# Seminar requirements – Design of Informatic Systems

# Economic Informatics, 3rd year

## I. Project requirements

The project should follow the steps needed to build a system that supports the activities of an organization. For modeling the system, the UML and BPMN languages will be used. The project will contain the items specified below:

**1. Presentation of the computer system**

1.1 General description of the information system- 0,25p

1.2 Requirements specification

1.2.1 General + detailed Use case diagrams -1p

1.2.2 Textual description of use cases -0,25p

**2. Analysis of the system**

2.1 Activity diagrams - at least 3 diagrams – 0,5p

2.2 Class diagram – 0,75p

2.3 State diagrams – at least 2 diagrams – 0,25p

2.4 Interaction diagrams – at least 3 diagrams – 0,75p

2.5 Refining UML diagrams -0,25p

2.6 Processes and collaboration diagrams in BPMN – (1 process diagram, 1 collaboration diagram) -1p

**3. Design of the system**

3.1 Detailed Class diagram -0,5p

3.2 Database design -1p

3.3 User interface design-0,5p

3.4 Component diagram -0,5p

3.5 Deployment diagram -0,5p

**4. System implementation – 1p**

4.1 Technologies used in implementation

4.2 Summary of system functionality

## II. Evaluation

The project is developed individually, and its theme will be communicated in week 4. Insofar as possible, it is recommended that the project's theme coincides with the theme of graduation paper.

The first deadline is in week 7. You will load on the *online.ase.ro* platform, in the dedicated section, the documentation that will include the entire first chapter of the project (1.1 + 1.2) and points 2.1 + 2.2+ 2.3 from the second chapter. ***Deadline: March 31st***. The granting of the grade for this part is subject to uploading the documentation on time. In case of failing to submit the documentation until the deadline, these points cannot be recovered in the final evaluation.

The final evaluation will take place in the last 2 weeks of the semester. Grading the project is conditioned by uploading the documentation on time, in the dedicated section of the platform **as well** as personal presentation of the project at the seminar, according to the announced schedule. Students will load a library named following the template: *GROUP\_LastName\_FirstName* that will contain the full documentation (.docx format) and the Visual Paradigm Project (.vpp format).

***Deadline final upload: May 19th***