

**Labs**

*First Lab Deliverable*

**Sessions 1 -4  
Business Logic &  
Persistence Layers**

**Software Engineering**

CS School  
DSIC – UPV

**Year 2024-2025**

**DELIVERABLE INSTRUCTIONS:**

The deliverable will include the activities indicated in the lab bulletins for sessions 2, 3 and 4:

- Sessions 2 and 3: Business logic layer, design of classes and constructors.
- Session 4: Persistence layer with Entity Framework.

In the Azure DevOps repository:

- There will be a commit named "Deliverable 1" with the final version of the implemented system.
- The previous commits must reflect the work done by all the members of the team.

Delivery process:

- Each lecturer Will create a task in poliformat.
- One member of the team will attach a compressed file with all the VStudio solution corresponding to the last commit in Azure and indicating the team members and team name.

Delivery deadline:

- Within 24 horas since session 4 started.

Team work evaluation:

- Each team member will fill in an evaluation document that will be given by the lecturer. Evry team member must fill in this evaluation document.

**EVALUATION GUIDELINES:**

<b>Classes and constructors design</b>	All unit tets are successful and the design instructions given in the bulletins have been followed  (4 points)	Some unit tests fail. Or some implementation rules have not been followed  (1 to 3 points)	All unit tests fail.  (0 points)
<b>Persistence: Tests</b>	All unit tets are successful and the design instructions given in the bulletins have been followed  (2 points)	Some unit tests fail.  (1 point)	All unit tests fail.  (0 points)
<b>Persistence: Objects creation</b>	All required objects are created and stored in the DB  (3 points)	Objects are partially created/stored in the DB  (1 to 2 points)	The code has compilation errors or no object is stored in the DB.  (0 points)
<b>Answering questions*</b>	The student answers all questions correctly.  (1 point)	The student shows a partial understanding of the knowledge  (0.5 points)	The student does not answer any questions properly  (0 points)

\* **NOTE:** If there are evidences that the student has not participated in the assigned tasks the student will fail the evaluation.

**EVALUATION:**

In **session 5**, the lecturer will check and give comments on each submission. This session is an **evaluation act** and **attendance is mandatory**. The lecturer may ask any questions about the deliverable to each team member individually to verify the work carried out.