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| **Review Form** | | | |
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|  | **Document Title:** | **Lab 1 Homework Review Form – Design Phase** | |
|  | **Reviewer Name:** | **Higyed Erik, Goian Sergiu, Ioana Gabor** | |
|  | **Review date:** | **15.03.2025** |  |
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| **Crt. No.** | **Checked Item** | **Doc. page/line** | **Comments/ improvements** |
| 1 | D\_02 | Page 3, bullet 3 | The use case diagram reflecting the architecture is missing FR2.3 and does not account for the use case of updating the delivery date of an existing subject. |
| 2 | D\_02 | Page3, bullet 3 | FR2.4 is not reflected by the use case diagram, adding a grade to a student for a lab theme. |
| 3 | D\_03 | Bullet 3.8 | The error handling strategy is not coherent since it does not account for the case when the student or assignment does not exist or when an incorrect data type is provided for any of the fields. |
| 4 | D\_03 | Bullet 3.9 | Error Handling should be specified for cases when the field does not exist or when the data type of the field provided is incorrect. |
| 5 | D\_05 | Bullet 3.9 | The use case is too broad, should be divided into filtering for each entity (students, assignments, themes, grades). |
| 6 | D\_07 | Bullet 4.1 | The “theme” entity is not specified |
| 7 | D\_01 | Bullet 4.3 | Bad architecture, “date” and “deadline” should have data type Date. |
| 8 | D\_07 | Bullet 5 | The function names are not sufficiently clear: getStudent and setStudent should be getStudentId() and setStudentId() since they return a String data type not a Student data type. |
| 9 | D\_07 | Bullet 5 | The function names are not sufficiently clear: getAssignment and setAssignment should be getAssignmentId() and setAssignmentId() since they return a int data type not an Assignment data type. |
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|  | **Effort to review document (hours):0.5 hours** | |  |

Coding Phase Defects

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| 1 | D\_02 | Ui.java/41-52 | The if-else logic inside run() can be improved with a switch-case statement. |
| 2 | D\_01 | Ui.java/40 | The updateStudent(), meniuTeme() function does not declare that it can throw an exception when the user introduces data with wrong data type (ex: string for the group which expects int) |
| 3 | D\_02 | Ui.java/201-220 | The if-else logic inside meniuTeme() can be improved with a switch-case statement. |
| 4 | D\_01 | StudentValidator.java/25-35 | Email and Name checks are invalid since they are not checked to have the proper data type and can be empty strings. |
| 5 | D\_07 | AbstractXMLRepository.java | There are comments with unused code fragments which should be removed to have a cleaner project. |
| 6 | D\_01 | UI.java | The scanner object is created multiple times, which causes redundancy. Define a global scanner object to avoid creating new instances in every function. |
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