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| --- | --- | --- | --- |
| **Grade** | **Rubric** | **Grade** | **Rubric** |
| A | - Problem description is clear and sufficient.  - Assumptions are *clearly* and *sufficiently* stated.  - Functional requirements are complete.  - Additional requirements are formulated.  - Non-functional requirements are complete.  - User interface requirements are discussed.  - Infrastructure requirements are discussed.  - Use case diagram is complete.  - Detailed descriptions are provided for all use cases.  - Use case ranking is presented and *discussed*.  - Implementation plans for all use cases are given.  - Class diagram is complete.  - All use cases can be realized in the class diagram.  - All classes are properly documented.  - Sequence diagrams for use cases are presented.  - Operation contracts for use cases are presented.  - Glossary of terms is provided.  - Motivations are *sufficiently* provided. | B | - Problem description is clear and sufficient.  - Assumptions are *partially* stated.  - Functional requirements are complete.  - Additional requirements are *not* formulated.  - Non-functional requirements are complete.  - User interface requirements are discussed.  - Infrastructure requirements are discussed.  - Use case diagram is complete.  - Detailed descriptions are provided for all use cases.  - Use case ranking is presented.  - Implementation plans for all use cases are given.  - Class diagram is complete.  - All use cases can be realized in the class diagram.  - All classes are properly documented.  - Sequence diagrams for use cases are presented.  - Operation contracts for use cases are presented.  - Glossary of terms is provided.  - Motivations are *partially* provided. |
| C | - Problem description is clear and sufficient.  - Assumptions are *partially* stated.  - Functional requirements are complete.  - Additional requirements are *not* formulated.  - Non-functional requirements are complete.  - User interface requirements are discussed.  - Infrastructure requirements are discussed.  - Use case diagram is complete.  - Detailed descriptions are provided for all use cases.  - Use case ranking is *partially* presented.  - Some use case implementation plans are *unclear*.  - Class diagram is complete.  - All use cases can be realized in the class diagram.  - All classes are documented.  - Sequence diagrams for use cases are presented.  - Operation contracts for use cases are *partially* presented.  - Glossary of terms is provided.  - Motivations are *partially* provided. | D | - Seven or more items are compelte and clear.  - Use case diagram is complete.  - Class diagram is complete.  - Assumptions are *partially* stated.  - Motivations are *partially* provided. |
| E | - Seven or more items are *incomplete* or *unclear*.  - Use case diagram is *incomplete* or *unclear*.  - Class diagram is *incomplete* or *unclear*.  - Assumptions are *not* stated.  - Motivations are *not* provided. | F | - One or more items are missing. |

**Items:**

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| 1. Problem description | 8. Use case ranking |
| 2. Functional requirements | 9. Implementation plan for use cases |
| 3. Non-functional requirements | 10. Class diagram |
| 4. User interface requirements | 11. Class documentation |
| 5. Infrastructure requirements | 12. Sequence diagrams for use cases |
| 6. Use case diagram | 13. Operation contracts for use cases |
| 7. Detailed use case descriptions | 14. Glossary of terms |