
EVALUATION GUIDELINES

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These guidelines should be used to evaluate each team's submission. The whole project has now culminated, so we do want to see some type of completeness. In terms of features, completeness means that there is a minimal collection of features that make the application viable. Completeness also refers to the other activities on the project (domain description, requirements prescription, software architecture, design, testing, ...). For example, does the team document the requirements of the features that are implemented? Are the phenomena from the domain that the requirements refer to fully described? Does the team use automated tests for their features? The guidelines and examples are more detailed than what would easily fit into the format of rubrics, so the guidelines are stated separately and the rubrics then are quite generic.

- Changes to the previous submission must be clearly visible. Use a different background color, change bars in the page margin, or other ways to clearly indicate the changes.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the exactly guidelines concerning change tracking.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

- The log book gives an overview of the changes (but not the full changed content) since the last submission.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the exactly guidelines concerning	Does not follow the guidelines	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

change overview. or missing.

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- The actual changes, new developments, etc are integrated into the overall document.
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performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the guidelines concerning integration of changes.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows exactly the guidelines.
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- All the criteria where the previous submission did not follow the guidelines have been improved.
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performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the guidelines concerning improvement of criteria.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows exactly the guidelines.
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- Any additions and changes follow the guidelines already established for the previous submissions.
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performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the guidelines concerning addition of new content.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows exactly the guidelines.
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- Completeness of the implementation: there is at least a minimal collection of completed features that are implemented end-to-end and that have a high value to the users, making a viable product. The completion of the feature is evidenced by passing acceptance/end-to-end tests.
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performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the guidelines concerning complete and evidenced, valuable features.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows exactly the guidelines.

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- Completeness of the other development phases: domain description, requirements prescription, design, ... For example, requirements for all the features that have been implemented are also documented. All the terms that are used to formulate the requirements are clearly defined in a terminology, ...
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performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the exactly guidelines concerning completeness on all phases of development.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

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- Application of topics, techniques, tools, methods, ... from the lectures:
 - domain engineering and domain facets
 - stakeholders

The team identifies and describes (domain and requirements) stakeholder groups that are relevant for the project.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the exactly guidelines on stakeholder identification and documentation.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

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- personas

The team has developed personas that are detailed beyond merely their user-stories, so the persona really comes alive.

	performance indicator	unsatisfactory	satisfactory	proficient	exemplary
exactly guidelines. on developing and describing personas.	Follows the guidelines	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

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- domain facets

The team has explored relevant domain facets. For example, in a project concerned with supermarket checkout a team might want to talk about scanning devices (support technology). But that team might not have anything to say concerning the scripts facet. Relevance needs to be considered in the assessment. Teams should demonstrate that they can judge relevance and not create filler.

	performance indicator	unsatisfactory	satisfactory	proficient	exemplary
exactly guidelines. on applying and documenting relevant domain facets.	Follows the guidelines	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

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- business processes

The team describes at least one relevant and substantial business process from the domain for each stakeholder group.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the exactly guidelines on describing relevant business processes.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

- Petri nets

The team uses Petri nets (place transition nets) to model competing processes that access common resources. It's not necessary to have a complete model but we want to see at least some are competing activities.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the guidelines on modeling competing processes with Petri nets.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows exactly the guidelines.

- requirements
 - domain requirements

The team identifies domain requirements from domain properties. For example, in a project concerned with libraries, books, borrowing, ... there is a domain property that every book has an owner. When the team then moves on to determine requirements and the focus is only on libraries (not e.g. the books a patron might otherwise own), we get a domain requirement: the system-to-be must associate with each book exactly one library as the owning library.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the exactly guidelines. on formulating domain requirements connected to domain properties.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the
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- interface requirements

The team analyzes and documents the shared data initialization and update requirements, the man-machine and the machine-machine dialog requirements, and the physiological requirements.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the exactly guidelines. on formulating interface requirements.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the
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- machine requirements

The team identifies and documents relevant machine requirements (performance, availability, accessibility,...).

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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Follows the exactly guidelines. on formulating machine requirements applying relevant machine	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the
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requirements
facets.

- software design

The team analyzes the requirements and identifies and documents components that collaborate to satisfy the requirements. There is at least one major business process that the team uses as a scenario to validate the design.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the exactly guidelines on developing a software architecture and design.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the

- risks not included: too late before submission