EVALUATION GUIDELINES

Marko Schütz-Schmuck

These guidelines should be used to evaluate each team's submission. The whole project is still in process, so we still do not need to see any type of _completeness_. However, we do want to see some progress (not necessarily the same amount) on each of those aspects. By now we do want to see at least some fruits on all of the branches, e.g. from domain description to implementation and verification and validation. 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
Follows the guidelines concerning change tracking.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the guidelines exactly

- 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
Follows the guidelines concerning change overview.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows the guidelines exactly

- The actual changes, new developments, etc are integrated into the overall document.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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.

- All the criteria where the previous submission did not follow the guidelines have been improved.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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.

- Any additions and changes follow the guidelines already established for the proposal submission.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
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.

- Progress in the implementation has been made: there are completed features that are implemented end-to-end and that have a high value to the users. The completion of the feature is evidenced by passing acceptance/end-to-end tests.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the guidelines	Does not follow the	Follows the guidelines	Follows the guidelines	Follows exactly the guidelines.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
...concerning complete and evidenced, valuable new features.	...guidelines or missing.	a little.	mostly.	

- Progress has been made in all phases of development: domain description, requirements prescription, design, …

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the guidelines concerning progress on all phases of development.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows exactly the guidelines.

- Application of topics, techniques, tools, methods, … from the lectures:
  - Algebras and closure under operations

    The team presents at least one case where they have modified a function to make it more closed. This can be from the implementation as well as from their domain functions. For example, in the domain of banking we might initially have thought of a transfer as `transfer(from: Account, to: Account, money: Amount): (Account, Account)' and after lots of thought and several rewrites, we might arrive at `transfer(TransferSpecification): (TransferSpecification, Result)' which not only covers the same scenarios as the initial function signature, but even accommodates failures (in the `Result') or partial transfers where the resulting `TransferSpecification' could then either represent the part of the transfer that still remains to be done or alternatively the part of the transfer that was actually carried out.

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

  - Time management, scheduling, planning

The team explains how they conduct time management, show examples of estimated task effort, comparison with actual task effort, and planning.

performance indicator	unsatisfactory	satisfactory	proficient	exemplary
Follows the guidelines concerning time management, scheduling, and planning.	Does not follow the guidelines or missing.	Follows the guidelines a little.	Follows the guidelines mostly.	Follows exactly the guidelines.

- Agile

The team shows how they use sprints to structure the project, use a product backlog and sprint backlogs, maintain the backlogs feature-oriented, and do sprint review and planning.

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