**Criteria for each review!**

**Quality assurance.**

We decided that the person executing the quality assurance tasks will be a scrum master that changes each sprint. The quality assurance audits are scheduled to be performed weekly at the end of each sprint.

**Quality Plan**

1. Quality of the project work (teamwork, scrum, communication)

To insure the quality of the project work we will use team work patterns and team communication roles such as support and press, that also come with the evaluation criteria. Also bending different viewpoints for ideas of for example what the project should consist of and which features and functionalities it should have to set up a quality attributes. We will also use evaluation criteria

for teamwork.

1. Quality of the report (artifacts)

To ensure the quality of the report, the status report will be prepared in the end of each week. Scheduled meeting with the teachers are also going to be held to get feedback and to coordinate and manage different sections of the report.

Also constant feedback between working teams within the group will be assured.

1. Quality of the IT system
2. We will start with setting the code standards we should follow, and which will be subjected to quality control.
3. For classifying the areas of the system that should be tested we will use FURPS+ model.
   * 1. Functionality –

Features will be tested for result correctness, interoperability, security, and reusability.

The tests for these qualities will be performed in two stages – alpha and beta. In alpha testing we will test functionality using automated tests. We will also perform white box tests such as incremental integration tests, and security tests.

Tests in this stage will be an ongoing process, and the people involved will be the team members.

* + 1. Usability

Usability will be tested in beta stage by both external testers and the product owner himself using black box tests. We will aim to assess qualities such as: efficiency of use, learnability, memorability, errors/safety, satisfaction. The test will be performed with the use of test scenarios and predefined test data.

* + 1. Reliability

Reliability will mainly be assessed during the beta stage of the feature development cycle.

It will be process of gathering reports of usage of the system, and assessing if the results are within the required.

* + 1. Performance

Due to requirements of the system, performance is not a priority, but some checks will be made regarding resources consumption. Checks will be made during beta test.

* + 1. Supportability

Supportability will be assessed along with the code standard compliance checks.

* + 1. Design constraints
    2. Implementation requirements

**Functionality**

|  |  |  |
| --- | --- | --- |
| Correctness, interoperability, secutiry | High | Some description |
| reusability | Low |  |
|  |  |  |

**Usability**

|  |  |  |
| --- | --- | --- |
| efficiency of use, learnability, memorability, errors/safety, satisfaction | high | … |
|  |  |  |
|  |  |  |

**Reliability**

|  |  |  |
| --- | --- | --- |
| Availability, | high |  |
| stability | high |  |
|  |  |  |

**Performance**

|  |  |  |
| --- | --- | --- |
| Speed, Efficiency, | Low |  |
| Resource Consumption | medium |  |
|  |  |  |

**Supportability**

|  |  |  |
| --- | --- | --- |
| Serviceability, Maintainability, Sustainability, Repair Speed | high |  |
|  |  |  |
|  |  |  |