# Requirements

## Functional requirements:

**Critical priority:**

1. As a product owner, I want to have an IT project management system, such that I can efficiently manage my projects.
2. As a project creator, I want to be able to create projects.

1. As a product owner, I want my system to have a GUI, such that the users could easily navigate through the system.
2. As a project creator, I want to be able to assign team members, so that there are people working on projects.

**High priority:**

1. As a project creator, I want to be able to assign roles to the team members so they know what responsibilities they have.
2. As a product owner, I want the GUI implemented with Java/JavaFx, such that it would be easy to modify.
3. As a product owner, I want to be able to mark the projects as started, not started or ended, such that the team members know what tasks are done and which are still to be worked on.

1. As a product owner, I want to be able to add or remove requirements, so that in case of a new or bad idea for the project, I can add or remove it from the list of requirements.

1. As a product owner, I want to have my requirements described as user stories in who, what, why template such that project is more understandable for the rest of the team.
2. As a product owner, I want to be able to approve or reject requirements, such that the team members do not waste their time working on the requirements which are not going to be useful for the project.

1. As a scrum master, I want each task to contain all information (Requirement ID, task ID, title, time estimation, deadline, responsible team member, status, hours spent and by who) such that I can track their progress more effectively.
2. As a team member, I want to be able to access the system without having to login, because the system can only be used by one team member at a time.
3. As a team member, I want to be able to give a status report daily to the scrum master, about which task i am working on and if it has ended or not, because he needs this information to be able to manage the requirements.
4. As a scrum master, I want to see each team member responsible for a specific requirement/task, so I know who is responsible if it falls behind schedule.
5. As a scrum master, I want to verify the status of each requirement in the form of: started, not started, finished; such that I can send this information to the product owner for further verification.

1. As a project creator, I want to have the possibility to change the roles of the team members, so that they could work on tasks suitable for them.

**Low priority:**

1. As a product owner, I want to have a website for the customers, so that they can check the status of their ordered projects.

1. As a product owner, I want to be able to search information regarding the projects by ID, responsible team members, deadlines, such that I can have an overview of the progress on a current project.
2. As a customer I want to be able to view my project on a website, so that I can easily access it.
3. As a customer, I want to be able to have all the information displayed about my project (Description, Requirements and their status) on a website, so that I can stay updated on its progress.

As a customer, I want to be able to have all the information displayed about my project (Description, Requirements and their status), so that I can stay updated on its progress.

1. As a project creator, I want to be able to add/remove new team members in case the team is not able to cover all the tasks. When it comes to removing participants, this should take place, if necessary, so that the work flow of others is not compromised.

## Non-functional Requirements:

1. As a customer, I want the system and website to be easy to use.

Missing requirements?

Who should be able to assign team members to tasks, when dealing with an iterative approach. Using the waterfall approach all tasks are specified when the project is created, and all tasks should already have team members assigned to them.

Should all the reporting done by team members be handled inside the system, or does it take place outside the system?