# EAR semestral project: Agile Management Tool

## Software Requirements Specification

### 1. Introduction

The aim of this project is to develop a backend application for an Agile team. The software will be used for task management and progress tracking.

### 2. Users

Developers will be the primary users of the system. They will create and manage tasks, plan sprints, and monitor progress.

Scrum Masters/Project Managers will use our tool for management of the Agile process, including planning and monitoring sprints.

Users are defined with permissions. Depending on the permission for specific project user can add, remove, and change stories and task management in project, delete or change project or can manage sprints.

### 3. System Functions

Agile Management Tool offers tools for Task Hierarchy Management for teams using Agile practices.

Users can create projects add stories to them that can consist of tasks. Teams can develop stories in sprints. With sprint they have option of two types of sprints: Kanban sprint or Scrum sprint, where Kanban sprint ends on all tasks being done.

According to permissions user can add users to projects and assign permissions, change stories, sprints, and tasks.

Backlog serves to store list of stories ready for implementation in project. Each story has story points, promoting efficient resource allocation.

Story points offer estimation of effort needed to complete them. This metric is useful for scrum masters and project managers.

The system manages task states such as READY, IN PROGRESS, and DONE, supporting state changes. Tool also manages state of sprints as WAITING, RUNNING and FINNISHED.

### 4. System Limitations

Our work will only support core Agile features mentioned in system functions.

Tool will not have integrations with external tools.

# Model UML diagram

Obsah obrázku text, snímek obrazovky, diagram

Popis byl vytvořen automaticky