



UNIVERSITY OF GOTHENBURG

MiniProject: Distributed Systems Software Architecture Document

Group 8

SAD Report

Munatsir Adam

Mila Mehrvarz

Leila Bencheikh

Ramzi Abu Zahra

Maab Mohammedali

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The project management practices used

We have used Agile development methodology for our project management. We have identified the project requirements and broke them down into tasks which we included in the sprint backlog. Furthermore, in our project development process we had sprint planning and sprint review meetings to consolidate the team's efforts by unifying our vision and demonstrating our results to each other. In addition to defining the nature of our meetings, the team members have been assigned to different roles such as Scrum master, Developers and Product owner (TA) which helped us in organizing our contributions more clearly. During each sprint we set deadlines for the tasks that need to be completed individually, as a subgroup and as a team. The communication between team members has been conducted via Discord, Zoom and Slack. In this project, Trello was the main management and planning tool that has been used. Moreover, we decided to use software which allows online collaboration such as Draw.io for creating various software diagrams, and Google drive for easy collaboration on project documents and assignments.

Important project management decisions regarding schedule and scope

We have come to some project management decisions. First of all, we decided the scope of the project which was defining four milestones and dividing each requirement to specific milestones. According to agile program management methodology, we selected a scrum master and defined the roles for each member in the group-8-project component. In order to complete specific requirements, each task is assigned to different members or to subgroups in our sprint planning meetings. In the first two sprints the main goals was to just come up with a Minimal Viable Product, which meant that all suggestions to improve the looks of the UI, or add features that enhance the experience were postponed to the end of the project. Each task defined by the group had a specific deadline which was usually set to be done before the scrum Review meeting, the reason is that we wanted to give ourselves time to find if there were issues such as conflicting codes or even codependent codes between subgroups. And at the sprint review meeting we presented to each other the tasks to the group.

There would then be two possibilities; If the task was successfully accomplished it would move to the *"Solved"* section on Trello. But if there were some places for modification of the tasks it would be replaced in the *"Needs Improvement"* section on Trello . The assessment of tasks that need to be completed is based on the criteria that we defined on the checklist in

each Trello card, which defines exactly what is needed to be accomplished so that it is considered Done. To prioritize tasks visually we used different colored labels for each card, as an example red was the color that refers to a task which has a high priority to be completed whereas blue is for less urgent tasks.