

Software Engineering Fall 2023-2024

VALUNI First Sprint Review

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1 Retrospective

Sprint was met with hurdles mainly from the delay of sprint deadline, leading to eagerness or hesitancy to add more tasks. More tasks were added but some were not finished completely. Mainly the work that needed to be done is Integration work integrating backend functionalities with the frontend UI. Overall We'd Consider the Sprint a success despite the hurdles a lot of Tasks were done in a short timeframe.

2 Sprint Objectives

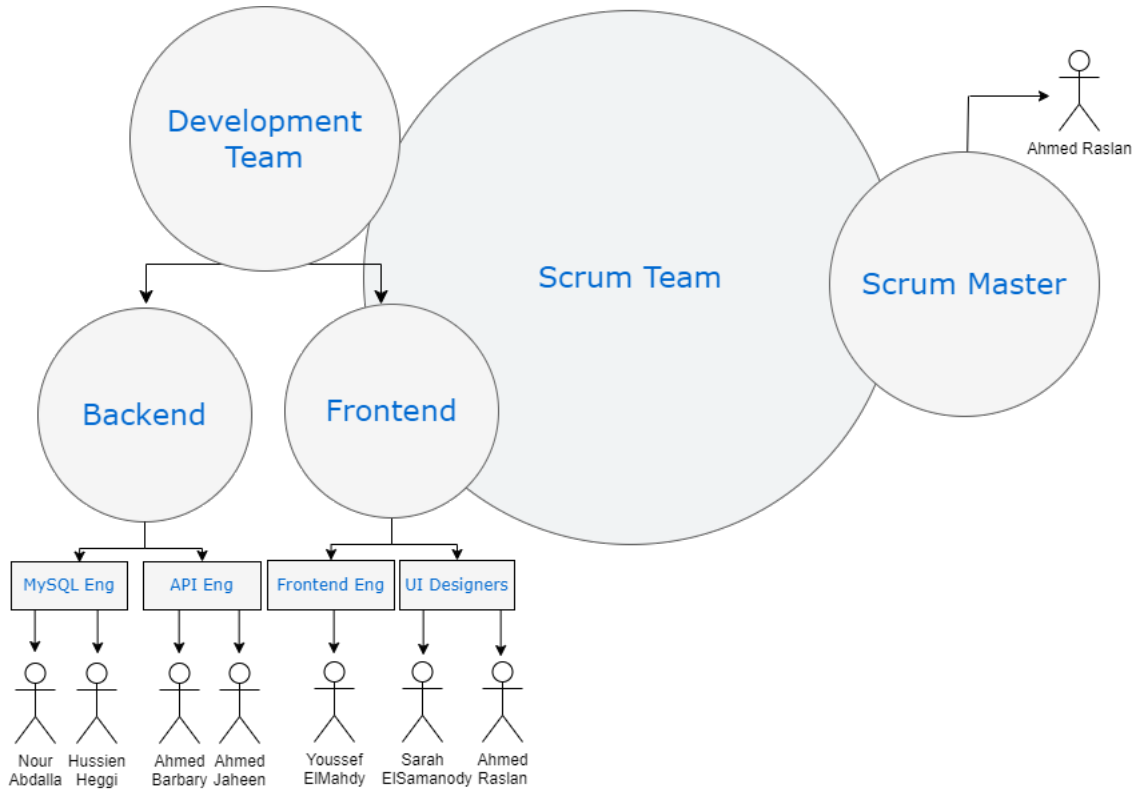
Initially the sprint was concerned with authentication and login page. As delays loomed over, we found ourselves in need to add more features in first sprint mainly Homepage functionality and DB formation and integration.

2.1 Sprint Board

Title	Assignees	Status
create project template	Ahmed-Waseem77, elbarbary, Hussein-Heggi, nouryasser1, SamanodyJr	Done
Dark Mode initial design	Ahmed-Waseem77, SamanodyJr	Done
login email and password prompts	SamanodyJr	Done
Login page	Ahmed-Waseem77, SamanodyJr, youssef-S-Elmahdy	Done
Setup for a functional user authentication (Firebase)	elbarbary, mego74	Done
Light Mode initial design	Ahmed-Waseem77, SamanodyJr	Done
Brand Manual	Ahmed-Waseem77, SamanodyJr	Done
Homepage course list	SamanodyJr	Done
Homepage topbar	youssef-S-Elmahdy	Done
login page background, splash screen	Ahmed-Waseem77	Done
login buttons	youssef-S-Elmahdy	Done
Connect the application to the local server database	Hussein-Heggi, nouryasser1	Done
Masking firebase API keys	elbarbary, mego74	In Progress
Valuni Presentation	nouryasser1, SamanodyJr	In Progress
Integrating authentication to the frontend	elbarbary, youssef-S-Elmahdy	In Progress
Documentation Diagrams for various methodologies	nouryasser1	In Progress
Creating the SQL Database on the local server	Hussein-Heggi, nouryasser1	Done
Database schema design	elbarbary, Hussein-Heggi, mego74, nouryasser1	Done
Home Page/ Landing page	Ahmed-Waseem77, youssef-S-Elmahdy, SamanodyJr	Done
Merging Backed functionalities and resolving resulting conflicts	Ahmed-Waseem77	Done

3 SWE methodologies implemented

3.1 SCRUM



In the development of Valuni, the team was divided into two parts: frontend and backend. When each team started working on their tasks, it was decided that the teams should be further divided to implement the idea of pair programming, working in a more effective and efficient way. Each sub-team had their own tasks and responsibilities which were all merged together at the end of the sprint. The scrum master, Ahmed Raslan, continuously communicated with both ends of the team to ensure that everything was in place.

3.2 Pair Programming

Most of the Tasks were done in pairs to increase cooperation between teams. Even found ourselves having 3 team members working together in some rare cases. This made our team more aware of the code and the hurdles we are facing.

3.3 Tri-Weekly Meetings

Implementing Daily stand-up meeting was unrealistic to say the least, but we found ourselves communicating at least 3 times a week which increased our cooperation and grasp of the work being done.

4 Finishing Remarks and Plans for Other Sprints

Overall we think we need more careful planning of the sprints, and the first sprint was a benchmark of what we can achieve in a given timeframe.