

Sprint 1 Retrospective Document

GetGuru

Team 12

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What went well ?

We managed to complete all the tasks that were delegated to sprint 1. The team coordinated well and were able to meet at the scheduled meeting hours without any conflicts. We were also able to keep each other updated through github while working independently.

Successful user stories :

- **As a user, I'd like to create an account**

The users were successfully able to sign up. We hadn't accounted for duplicate accounts at first, but with a little tweaking, we managed to set that up.

- **As a user, I'd like to toggle between student and tutor views**

Toggling between tutor and student views was easily implemented. However, in the next sprint we plan to make some changes to the UI and allow the user to explicitly 'register' as a tutor the first time he tries to toggle.

- **As a tutor, I'd like to add my subjects of expertise**

The users who were registered as tutors were able to add the subjects they were willing to teach. However, the tutor couldn't see his subjects after adding them, which we plan to take care of in the next sprint.

- **As a developer I'd like to explore the functionalities within Android Studio**

A few of our team members already had some experience with Android studio, which helped with other members learning it.

- **As a developer, I'd like to set up a back-end server and respond to basic HTTP Requests.**

The team members managing the backend had to learn the python syntax, which didn't take that long. With some online tutorials, we were also able to learn a lot about the Flask framework and implementing the RESTful API. We

managed to set up the server to communicate with the client and the database.

- **As a developer, I'd like to setup the MySQL database and access it using the SQLAlchemy module**

Setting up the MySQL database wasn't that challenging. Similarly, using the SQLAlchemy module wasn't that challenging either since it's an extension of the Flask framework. We managed to learn quickly and setup the MySQL database with ease.

What did not go well?

Even though we were satisfied about completing all the tasks which we mentioned in our Sprint 1 planning document, there were a few things which we fell short in. For example, in one of the meetings with our project coordinator, we failed to connect an android device with our server, despite meeting the previous night to ensure it was working properly. This problem caught us unexpected, and we were not too sure how to proceed. In our forthcoming meetings with the project coordinator, we have to come up with a back up plan in case our main device does not work as expected.

There were no such user stories which were unsuccessful but we felt we could improve for a few of them :

- **As a user, I'd like to create an account**

We did not check for duplicate accounts. We should've prompted an error message when the email was already registered in our database.

- **As a tutor, I'd like to add my subjects of expertise**

We were slightly short of time to implement the feature where the tutor could see the subjects he had listed. We plan to incorporate this in the next sprint.

How could we improve ?

Although we managed to complete all the tasks for this sprint, we believe there is still room for improvement. For this sprint, we did not assign specific tasks to the team members ahead of time. We could have divided the work more efficiently so that the tasks were assigned equally. Additionally, for future sprints, we can strive for better communication among the group members.. The members working on the frontend and the backend should not be completely segregated.

Additionally, as mentioned before, we plan to take care of minor and implicit functionalities in future sprints.