Sprint 2 Retrospective Document

GetGuru

Team 12

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What went well ?

We managed to complete all the tasks that were delegated to sprint 2. 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 from home. As described in the previous sprint retrospective, the backend and frontend were not totally segregated this time. People working on each end were able to gain more knowledge of how things work in the other end. To add on this, we were able to get a head start on some features from sprint 3 as well (searching by location).

Successful user stories

As a student, I'd like to rate and review tutors

The student was able to rate and review the tutors. However, the student would only be able to do this once. Any other attempts to re-rate the tutor will be ignored, although we could change the implementation as needed. Also, the tutor was not able to rate himself. This would make the ratings more reliable as it will purely be based on what the students rate the tutor as.

As a tutor, I'd like to view my own ratings and reviews

This user story wasn't completely implemented. The tutor was able to view his own profile, but he couldn't view his ratings and reviews. The backend server provided this functionality, but the this feature wasn't implemented by the front-end in this sprint. We plan to complete this in the following sprint.

As a student, I'd like to search for tutors with respect to subjects

The student was able to search for tutors based on subjects. We first implemented searching by just one subject. However, we upgraded our function to search on tutors based on multiple subjects.

As a student, I'd like to shortlist tutors for future reference

The student was able to see his favorite tutors by short listing them.

As a student, I'd like to view tutor profiles

The student was able to see a tutor's profile by clicking on the tutor's name.

As a developer, I'd like to store the ratings and reviews of the tutors in the database

The developers in charge of the back end are more familiar now with how python and mysql works. We created two new columns in the TUTOR table - the avgRating and ratingCount. The ratingCount will increment every time a student rates a tutor. Then the avgRating was calculated and updated immediately. We also created a RATING table with tutID stuID ratingCount and reviews. The primary key was a composite primary key consisting of tutID and stuID. This prevented a student from re-rating the tutor. This user story was implemented easily.

As a developer, I'd like to store the location of each tutor

Neither of us had any prior experience with geolocation. Luckily, we found a very good library online which helped us parse the the coordinates into zipcodes. For this sprint, we only saved the tutor location by what zipcode is entered by him. In the next sprint, we plan to allow the tutor to add his location based on his current coordinates (location).

As a developer, I'd like to return the list of tutors matched by search criteria given by the student

The developers had no problem in returning the tutors if only one subject was given as a search condition. When multiples subjects were given, we had to find the intersection of all the subjects put together, and then return just the tutors in that intersection. Finding the intersection took us some time as we had to do some research on how mysql works.

As a student, I'd like to rate and review tutors

By making sure a student could not re-rate a tutor, we prevented the student from editing his rate/review. In the next sprint, we plan to implement the edit feature, which will allow the students to edit their previous rating and review.

What did not go well?

Even though we were satisfied about completing all the tasks which we mentioned in our Sprint 2 planning document, there were a few things which we fell short in. We did not manage our time as well as we should have and that cost us a little in the end. Moreover, we did not create a very good sprint 2 planning document and were slightly confused about functional and non-functional requirements. The unsuccessful user stories were :

As a tutor, I'd like to view my own ratings and reviews

This functionality was provided by the backend but the front end didn't implement it well enough.

As a student, I'd like to view the ratings and reviews of various tutors

Again, this functionality was lacking as the frontend didn't implement this during the sprint.

How could we improve ?

Although we managed to complete most of the tasks for this sprint, we believe there is still room for improvement. There are only a few features left to implement. We have to make sure we divide the workload equally. Moreover, communication between team members is always vital for a successful project. We need to finish off the unfinished user stories for this sprint before we start working on sprint 3 as well. Additionally, as mentioned before, we plan to take care of minor and implicit functionalities as well as some unexpected inputs from the user in the last sprint.