ScheduSmart

Sprint 2 Retrospective

Team 30

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What went well?

During this sprint, we did a much better job of planning and selecting our user stories. Every team member was responsible for a whole user story instead of just a part of it. This caused each member to be able to work on their tasks without waiting for other members to complete features. Overall, most user stories and tasks were completed. In addition, our communication has improved. We have more discussion in the discord, make more detailed git commit messages, and have more in depth discussion during weekly sprint meetings which highly boosts the whole working efficiency.

User Stories Completed

User Story #1

As a user, I would like to have the calendar automatically schedule time to complete homework.

Completed: We successfully created a system to compile task information, and create an event out of it. It logs the amount of time scheduled, and prevents the user from over-scheduling time.

User Story #2

As a user, I would like to attach documents/files to my tasks.

Completed: We successfully created a system to attach files to tasks. When creating a task, users can upload files, malicious files are rejected from the system and are not uploaded. Files are stored securely on the server, and can be downloaded from the main page with ease.

User Story #3

As a user, I would like to track progress on my assignments and see how much time I have planned to work on them.

Completed: We successfully created a system that visualizes the amount of work that is required to finish a task. Users are able to break down the workload required for a task and as a result are able to check off subsidiary tasks in order to increment a progress bar. The amount of time scheduled is also visualized.

User Story #4

As a user, I would like to be able to navigate the schedule with keyboard shortcuts without using the mouse.

Completed: We have completed the user story where users can utilize different shortcuts to switch between calendar formats, seamlessly toggle the opening and closing of the event adding popup form, and change dates.

User Story #5

As a student, I would like to be able to take notes.

Completed: For this user story, users can effortlessly add notes, edit their content by clicking a pencil icon for modification, and delete notes by pressing a trash icon.

User Story #6

As for maintainability, developers have to use Jenkins and Git to do version control and CI/CD allowing us to efficiently maintain our web.

Completed: We have successfully established a Jenkins pipeline wherein upon pushing changes to GitHub, Jenkins will start to run a three-stage process. The initial stage involves building Docker images for both the backend and frontend. Following this, the pipeline proceeds to the testing stage, where unit tests are executed. Finally, in the deployment stage, the Docker images are pushed to our Docker repository, enabling users to easily access and utilize our application by pulling the images and running docker-compose.

User Story #7 + User Story #9

As a user, I would like to have a consistent style throughout the web application.
As a user, I would like to have access to a complete settings page and a create-account page with a consistent style.

Completed: We make all pages in our system with a consistent style.Therefore, when users browse, they will be presented with an attractive interface where all components function smoothly.

User Story #10

As a user, I would like to change my time zone.

Completed: The timezone changing feature now works as originally intended, and is stored and saved in the database when appropriate.

User Story #11

As a user, I would like to be able to track daily habits.

Completed: The daily habits page was successfully created and is navigable, with appropriate error checking precautions in place. The calorie tracker component was also implemented with base functionality.

User Story #12

As a user, I would like to be able to track my eating habits via the Habits page

Completed: The eating habits tracking was completed, with data visualization capabilities, data saving, and even context-dependent options. The entire calorie tracker supports CRUD and database saving.

User Story #13

As a student, I would like to manage time schedules before the start of a semester to smooth the course enrollment procedure, such as scheduling class times and breaks.

Completed: We completed the system for users to create courses and breaks for a semester. There is a page that allows users to set these up and see a list of what they have added. When done, users can save and the semester will be added as a calendar.

User Story #14

As a user, I would like to invite other users to my events and see events I am invited to.

Completed: The system for users to invite other users to events is complete. Users can also click a button to see events that they are invited to and accept or decline them.

User Story #15

As a user, I would like to be able to create, read, update, and delete (CRUD) events and tasks.

Completed: Users are able to create, update, and delete events. That is the only part of the user story that is fully completed without bugs.

User Story #17

As a user, I would like to see statistics on my productivity at certain times.

Completed: This user story is working better than I expect it to be. Thanks to the task manager built by my teammates, I pretty much have a perfect design where I could implement my work in it. I'm confident that this user story is fully functional and it is easy for users to use.

What did not go well?

Overall, our time management was not great for this sprint leading to some issues in the final presentation. Due to rushing to complete many of the features, there were still some bugs in the final product. Although we did a better job of planning dependencies, most of the team worked separately throughout the sprint, which caused some issues when combining the features. Additionally, we did go over our time limit during our sprint review due to lack of preparation and some bugs that occurred during the presentation.

User Stories Not Complete

User Story #8

As a user, I would like to add locations to my events using text or a map feature (i.e., Google Maps).

Not completed: The Google Maps implementation is nearly complete, but there are still some bugs and warning messages that need to be addressed.

User Story #15

As a user, I would like to be able to create, read, update, and delete (CRUD) events and tasks.

Not Completed: The implementation of CRUD is not done for tasks. Also, there are some bugs with reading events. The task to store events and tasks on the server was also not completed, so database calls are still frequent.

User Story #16

As a user, I would like the calendar home page to be simple and not overwhelming while including pertinent information, such as the date and time.

It’s completed a long time ago, but due to multiple decisions being changed such as the stored method in the database, multiple bugs in creating events, weird render issues that I wasn’t able to fix, etc, I wasn't able to confirm that it’s 100% correct. Mostly, it will fail because of other reasons, but despite that it works pretty good. This user story really takes me way too much time fixing bugs and matching other people's preference changes, which is a disaster.

User Story #18

As a user, I would like to add other account as my friends and able to manage my friend list

Not quite complete. This user story is the victim from User Story #16. I pretty much design the entire system and network for this user story to works, but I got no time to implement it since I spent entire week fixing and changing #16. In Sprint 3, this user story will reappear and have a better performance.

How should you improve?

One thing we can do to improve is plan our time more efficiently. During this Sprint, we worked slowly at the beginning causing us to rush to complete user stories during the end of the sprint. This was partially due to spring break which interrupted the sprint. We did a much better job of selecting user stories for this sprint than sprint 1, however we could use improvement on our time management and planning.

Also, we should talk about things that we are planning to change such as storage method, style design, etc, as soon as possible (like for the first week or something) because it will affect how other team members implement the function and schedule. During this sprint, multiple changes were made during the last week, which is breaking multiple methods that are already implemented, which causes some of us to try to fix and update the code at the last second. If we plan all of our user stories and talk about it at the beginning of the spring, this should improve the productivity of the sprint.