OCaml-Chat Progress Report: MS2

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Vision:

In one paragraph, what is your current vision for the system you are building? How has it evolved from previous sprints?

Our current vision for our instant messenger is to be able to have a messenger that allows users to login to their own account, send messages to specific users, make chatrooms, and format messages. We also try to do all this without using bloated libraries, such as curses or lambdaterm -- we try and avoid high level packages and do everything ourselves (the only high level package we have is probably ANSITerminal and Lwt).

Summary of progress:

Write a one or two paragraph description of what your team accomplished during the previous sprint. What functionality did you work on? What did you show off in your demo?

This sprint, we worked on being able to send messages across clients, being able to store chat logs and retrieve them upon reconnecting, a basic login system that allows different clients to set their own usernames, and a visual panel that allows you to choose who to send messages to. We demoed all of the above functionality in section. We also worked on getting the text formatting of messages, but was not completely functional and was not demoed.

Activity breakdown:

For each team member, give a bulleted list of the responsibilities that team member had and the activities in which they participated during the sprint.

Attilus - usernames and multi-client functionality
Jasper - chat log storage and retrieval implementation
Colin - formatted messages and parsing functionality

Productivity analysis:

As an entire team, how productive were you? Did you accomplish what you planned? Were your estimates of what you could do accurate, or far off? Write a paragraph addressing those questions.

Since A6 took up a big chunk of our time during this sprint, we had less time to work with to implement our desired functionality. We still managed to accomplish up to our Excellent scope

that we defined in the previous progress report, so our estimates of what we could do were still fairly accurate.

Scope grade:

Give your team a scope grade for this sprint—Satisfactory, Good, or Excellent—based on your experience of those levels of scope in the assignments thus far in this course. Write a paragraph or two providing a detailed justification of why you gave yourself that grade. Please be honest: we want you to reflect candidly on your progress. Your sprint grade is not going to be based on what you self-assign here.

Our scope grade for this sprint should be Excellent, as we accomplished nearly everything that we set out to do in our previous progress report. We were able to implement sending messages between clients - our server can now bounce messages to the appropriate clients based on the strings it receives through the channels. Different clients can now have different usernames, and their messages are timestamped appropriately. The 'read' statuses can now be implemented fairly easily because of this. We have also implemented a new panel that shows the statuses of current users, and we have keyboard shortcuts that allows us to navigate between panels.

Goals for next sprint:

Set three goals for your next sprint, corresponding to what you believe would constitute Satisfactory, Good, and Excellent scope for that sprint. (You may omit this section in your final report.)

Satisfactory: Login with passwords
Good: Chat logs
Excellent: Chatrooms + Formatting