

## **OCaml-Chat Progress Report: MS3**

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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?*

While time constraints have made it necessary to cut some of our original planned features from the final product, we still managed to implement many of the features that we originally planned. After completing three sprints, we now have a chat program that is capable of running on a remote server, storing chat logs between users, and formatting text. We have also implemented logins with usernames/passwords, which allows a user to create a new account or log into an existing account.

### **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?*

In our previous sprint, we managed implement a login system that allows clients to create a username and password that is stored for future logins. We implemented the status bar that will show which users are online at the moment, and users can switch between users to switch between conversations. Our chat logs are now properly stored for each individual's conversations and are retrieved when users log back in with their username and password. Users can now format their text when they send messages, allowing for red, green, yellow, bold, or underlined messages to be sent. Finally, all of our functionality works remotely now, so users on different computer systems can communicate through a remote server. All of this was shown off in demo.

### **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/passwords, remote server, documentation

Jasper - chat log storage and retrieval, testing, documentation

Colin - formatting 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.*

We were productive during the times that we spent working on our system, of course taking a break during the Thanksgiving break. We accomplished everything that we determined feasible, which included finalizing the text formatting logic to output properly, being able to login with usernames and passwords and messaging different users, and getting remote server communication to work. Our estimates for what we could accomplish were fairly accurate from last sprint.

**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 team accomplished everything up to Good scope, and half of Excellent scope based on our previous sprint. Over the course of this sprint, we finalized a lot of features that we had either partially implemented or wanted to implement differently, such as chat logs, the status bar, and text formatting. In doing so, we managed to de-jank a lot of our system's features, which required a good amount of work to do. We also managed to circumvent the remote server communication issues with WSL this sprint, so that cross-platform communication now works. We think what we accomplished in this sprint should warrant an Excellent scope grade.