

Milestone 4

Changes

There have been no more changes to my project since my last milestone update.

Accomplishments Since Last Update

Since my last update, I have made various updates to the conference management system to make it more usable for the program chairs. I also have begun the process of understanding how queries are generated in Yesod. It seems to be relatively straightforward, but it is not ideal for our use case. See “Looking Ahead” for more information on that.

Meeting Milestones

I have met my milestones for this week. As far as I know, there are no more changes required for the conference management system to be used for SIGBOVIK. Additionally, all of the necessary test cases have been written. The only test that remains is load testing, but that is for the purpose of testing to see if we need to upgrade our servers for SIGBOVIK, as opposed to testing the actual performance of the conference management system.

Looking Ahead

Over the next two weeks, I will be rereading the [Jeeves](#) and [LIFTY](#) papers to familiarize myself with the policies we will need to be able to express in Liquid Haskell. As well, it seems that it is not straightforward to add refinement types to the database queries. Although this is beyond my current understanding of Liquid Haskell, our collaborators, Nikki Vazou and Ranjit Jhala (owners of the Liquid Haskell project), are working to make sure that this will be possible.

Resources Needed

I require no additional resources to continue working on my project.