Protocol Extension Report

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August 6th 2017

Total time spent: (combined)

Category 1: 60 hours 20 minutes
  - Mostly bughunting and coding
Category 2: 3 hours
  - Getting familiar with the protocol & looking into integration with our system
Category 3: 4 hours

We had a lot more trouble with the extension than previously expected, there turned out to be a couple of big obstacles:

  - Our system was, as far as customers are concerned, completely based around customerIDs, with of course support for usernames, but not as an identifier within the system. Due to the chain of communication between the services, this took some time to rework.
  - The library we used for our internal JSON traffic was initially incompatible with the test suite, due to different internal encoding types, this took a while to figure out and fix.
  - In our original system, the error handling was done quite different, and largely incompatible with the test suite, which forced us to rework most of the communication infrastructure.
  - Some API methods were not exactly in line with our original system, though this was more of a minor obstacle compared to the ones listed above.

We originally expected to just have to edit a couple of internal methods and then simply connect our existing JSON communication infrastructure, though as mentioned above, this proved way more difficult than anticipated. This was largely due to the machinations of the library we used, but also because of design decisions pertaining to the error management system.