

1 Projected Status in One Month

In one month I hope to have fully generated test data. As it currently stands, the database is populated with data that's about 70% true-to-life; the records are missing addresses, as well as randomly-generated diseases and tests that have been done.

Additionally, in one month I hope to have a website where a user can search for donors based on first name, last name, or ID, which will then show a list of matching results. Provided no issues arise, I would additionally like the website to enable a user to click on a donor and to do a "search for compatible donors" search, that would find a list of all donors who could give blood to the selected donor/patient. I do not anticipate any filtering to be available, i.e. no filtering for donors known to have herpes, HIV, tuberculosis, etc.

2 Problems I'm Having

The only issues I'm having are grappling Javascript, Node.js, and this stack I'm choosing to use. The state of the market is that most of the Node.js stacks use MongoDB for their backend, which does not support SQL statements. There exist converters from SQL to MongoDB, but they are simple transliterators and not true converters. As such, I was forced to use Postgres. The interaction between Node.js, the website at large, and Postgres is complicated. Not helping is that I do not have much (read: any at all) experience developing web applications, and as such I am bootstrapping my own knowledge here as well. I do not expect this to be a major stumbling block, though, as what appears to be sufficient documentation exists for me to build a minimally-functioning website.