Iteration Three:

The Plan

- Finish signup page(email, username, token, device, etc.).
- Abandon Interact.js, remake network view.
- Refactor code to make it more modular.
- Move activity log to its own page.
- Give the user the ability to log out.
- Add persistent storage.
- Previous network states.

Signup:

As of now we have a signup page that isn't fully functional, however we intend to finish the implementation. A user will be able to register their username and password as well as an email address to send their personalized token to. They will then use that token to register to a device.

Refactor code:

Our code right now isn't fully optimized, we coded for functionality. We can develop more modular and reusable code to reduce redundancy.

Persistent storage:

In this iteration we did not have any persistent storage. Due to time constraints, we didn't implement a database, and realized it wasn't worth the trouble to learn nodepresist. By the end of iteration 3 we expect to add persistent storage. The decision for a database will be made by the client. If they require no database, we will use nodepresist.

Log out:

We currently have no way for a user to log out of their current session, which is currently saved using a cookie. We plan to create a logout button which will allow the user to log out, however saved states will also be handled using persistent storage.

Activity Log Page:

As of now our activity log is shown on the same page as the login screen. We intend to move this function to its own page so that a user or admin can view it at any time.

Abandon Interact.js:

We have learned that Interact.js does not meet the functionality that it needs to for us to implement our network view, so we intend to abandon that library and we will make our new network view from scratch.

Previous Network States:

We have an activity log in this iteration, but we did not begin to implement the feature of viewing states of the simulation at an earlier time. Using persistent storage, we will save states of the simulation so that a user or admin can view what the network was like at any given time.

Summary:

To conclude, by the end of iteration three we intend to have a finished signup page as well as a working network view. We will also refactor our code to make it more modular, as it is always good practice to have modular code . We also intend to move activity log to its own page and give the user the ability to log out. Adding persistent storage is also necessary for this iteration which will make it easier to have the ability to access previous network states which is another function we intend to implement.