In part II of the project, you need to do:

1. Finish the distributed protocol

2. Implement a simulation with at least 100 participants in which coins get mined and transacted.

3. Implement a web interface using the Phoenix that allows access to the ongoing simulation using a web browser (need to use the matching JavaScript library that allows Phoenix messages to be received in the browser). For charting, you can use [Charts.js or any other charting library. As part of the simulation, capture various metrics and send them via Phoenix to the browser. (Links to an external site.)Links to an external site.](http://www.chartjs.org/docs/latest/)

4. Implement various mining/transacting scenarios and describe them and their results in your README.

Bonus

1. Implements more bitcoin "features" for part I (+20%)

2. Implement an interface for "transacting" bitcoins using Phoenix and make it part of the simulated network (+20%). The public key crypto signing must happen in the browser (you can use [package elliptic (Links to an external site.)Links to an external site.](https://github.com/indutny/elliptic) for that.