Sprint 1 Plan

Product: Decentralized Internet
Team: The Distributors
Sprint end: 04/25
Revision: 1
Date: 04/22

Goal:

Create a program that would allow users to create and join a network for private and decentralized data sharing.

Tasks:

1. As a user, I want to be able to instantiate a network between myself and other users without having to rely on a centralized third party through which all of the network's data would pass.
    1.1. Create a Flask server which is capable of inviting nodes to a network and accepting invitations.
    1.2. Create a barebones UI using React that allows users to interact with the Flask server connected to the network.
2. As a user, I want to be able to save data to the network and access that data later so that I can use the network for storage.
    2.1. Create a key-value-store that is replicated on each node.
    2.2. Create functionality for nodes to write to the kvs.
    2.3. Ensure that writes to the kvs are causally consistent.
    2.4. In the UI, add a form where the data can be inputted and a button that writes to the kvs.
3. As a user, I want other users in the network to be able to access data that I have written so that I can use the network for sharing data.
    3.1. Data written to the kvs should be broadcasted across the network.
    3.2. Create functionality for nodes to read from the kvs.
    3.3. Ensure that no stale reads occur.
    3.4. In the UI, add a form where a key can be inputted and a button that sends a read request to the kvs.
    3.5. Add a place for where the response to the read request can be displayed.

Team Roles:

Product Owner: Artie
Scrum Master: Ivan
Engineers: Ronan, Pav, Ray

Task Assignment:

Artie: 2.3, 3.3
Ivan: 1.2, 2.4, 3.4, 3.5
Ronan: 1.1, 2.1, 2.2, 3.1, 3.2
Pav: 1.2, 2.4, 3.4, 3.5
Ray: 2.3, 3.3

Scrum Times:

1. Tuesday 2:40 pm
2. Thursday 2:40 am
3. Sunday 8:30 pm

Scrum Board:

https://app.asana.com/read-only/Sprint-1-Plan/758852180640843/08b9961a3f7f7549d2c5c7ec6f363942/board

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