

Status Report for Team Phiquest for Week # 4

What were the goals for this week?

1. Implement oAuthentication into the app through Google's APIs.
2. Develop a demonstrable system of hashing a PDF and its metadata into an express-based blockchain.
3. Create a block diagram to illustrate the data path for a form transaction in DocBridge.io, including the blockchain implementation.

What goals were accomplished this week?

1. Implement oAuthentication into the app through Google's APIs.
2. Develop a demonstrable system of hashing a PDF and its metadata into an express-based blockchain.

Reflect critically on any goals not accomplished.

We failed to accomplish goal #3, creation of a complete block diagram that illustrates the data path for a form transaction in DocBridge.io, including the blockchain implementation. While we are not afraid of taking accountability for team failures, this missed goal primarily comes from an open discussion with PhiQuest to fully understand their vision for the blockchain's role. Because the blockchain is a peripheral to the existing DocBridge.io extension for Chrome, the exact step in the signature process was still being decided. We decided the official process on February 11th, 2022, so the block diagram will be completed next week.

What are the goals for next week?

1. Create a block diagram that illustrates the data path for a form transaction in DocBridge.io, including the blockchain implementation.
2. Alter the current blockchain implementation to commit a document's initiator, receivers, timestamp, and the document's hash.
3. Implement the existing blockchain explorer into the administration dashboard. This blockchain explorer allows an administrator to search by sender, receiver, document ID, and document hash.
4. Develop a wireframe of the planned administration dashboard that covers the blockchain explorer, transaction log, DocBridge.io metrics, and user/account administration.

How many hours were spent on each goal noted above?

Allen Cheng – 6 hours on goal 1, 1 hour on goal 2

Ethan Wuitschick – 2.5 hours on goal 1, 1.5 hours on goal 2, 2 hours on goal 3

Arnaldo Barea – 6 hours on goal 2, 1 hour on goal 3