

**The Approach:**

The idea was to make the scripts as simple and easy to set up and follow as possible. It would be best if people using this software wouldn't have to edit the source code at all (not even in the main function). Instead, all they would need to do is put their info/content in a .env file and run a couple scripts. I split up the original index.js script from the getting started guide into smaller scripts to allow users to publish and verify content as many times as they want from the same pair of wallets without editing the main function in index.js, since registering the root and intermediate wallets only could be run once without returning an error per pair of wallets. The new scripts would then be registerR.js (for registering the root wallet), registerI.js (for registering the intermediate wallet), and publish.js (for publishing and verifying content). This would make it a lot easier for users to verify and publish data, since instead of going and changing the main function in index.js by commenting and uncommenting snippets of code, they just run the script they need to use at the moment.

**What Went Well:**

- The setup for the assessment went well, since I've already used MetaMask, Pinata, and ethers on other projects.
- Was able to find a couple bugs in the getting-started repo.
- The assignment allowed me to really dig deep and familiarize myself with the Verify documentation.

**Problems Encountered:**

- Bridge didn't work originally (had to be fixed).
- When using gen-wallet.js to make wallets, you need to remove the 0x from the beginning of the private key. Had to remove the + "0x" from gen-wallet.js.
- When whols runs right after you register the intermediate wallet, it returns the null address instead of the root address like it's supposed to. However, if you run whols later, it returns the root address with no issues. Registering the intermediate wallet works correctly as well, even when it returns the zero hash as the root wallet.