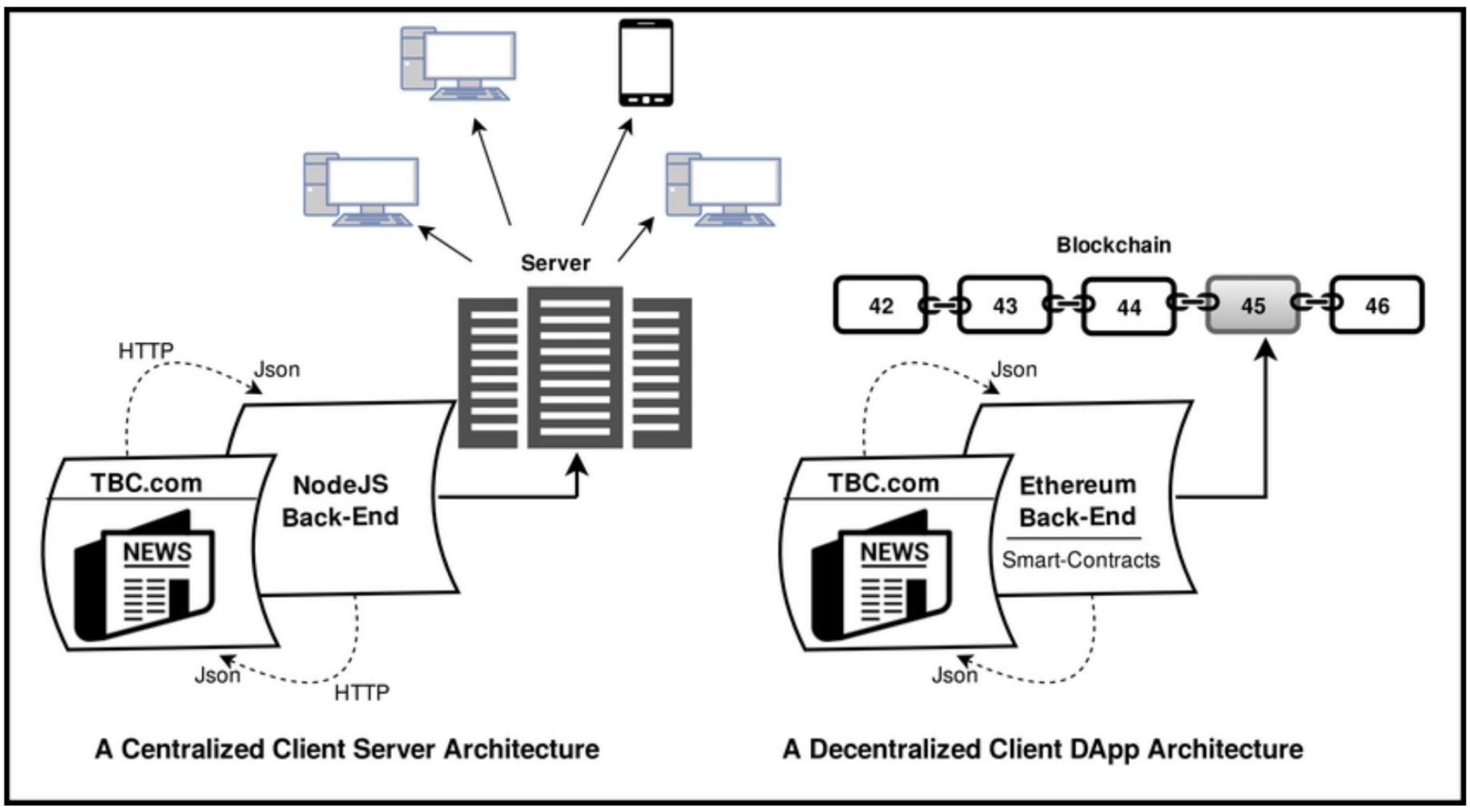
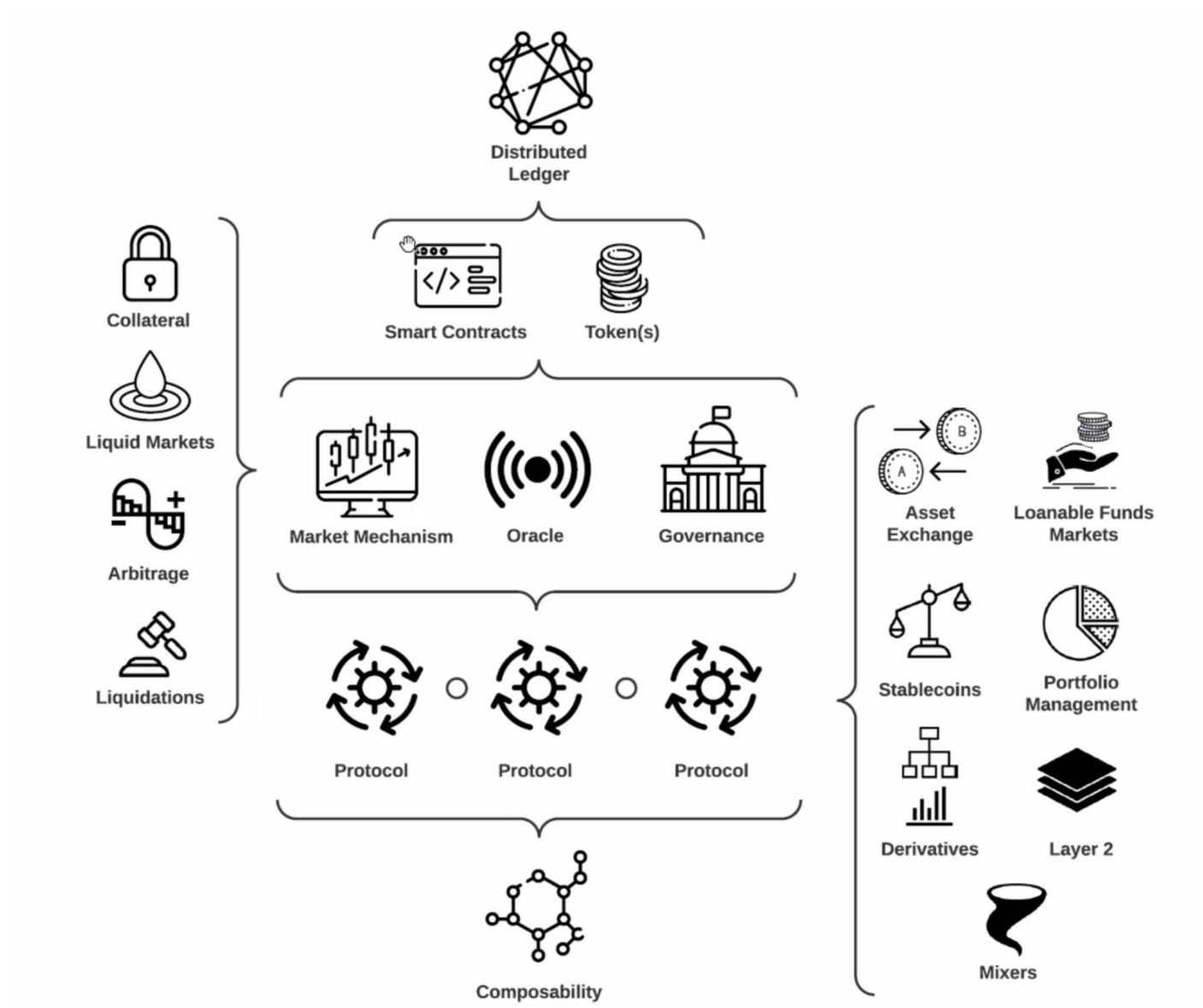
dApp Assignment Overview

- This Learn assignment page serves as an overview and introduction across the gradual steps we will be taking together as a group as we embark to deploy our first Decentralized Application (dApp) into the wild.



Dapp is a small town in the middle of nowhere. But dApps are Decentralized Applications - typically composed of one or more Smart Contracts running on a blockchain - and are at the core of much of the excitement around Decentralized Finance and many of the protocols that make it up.

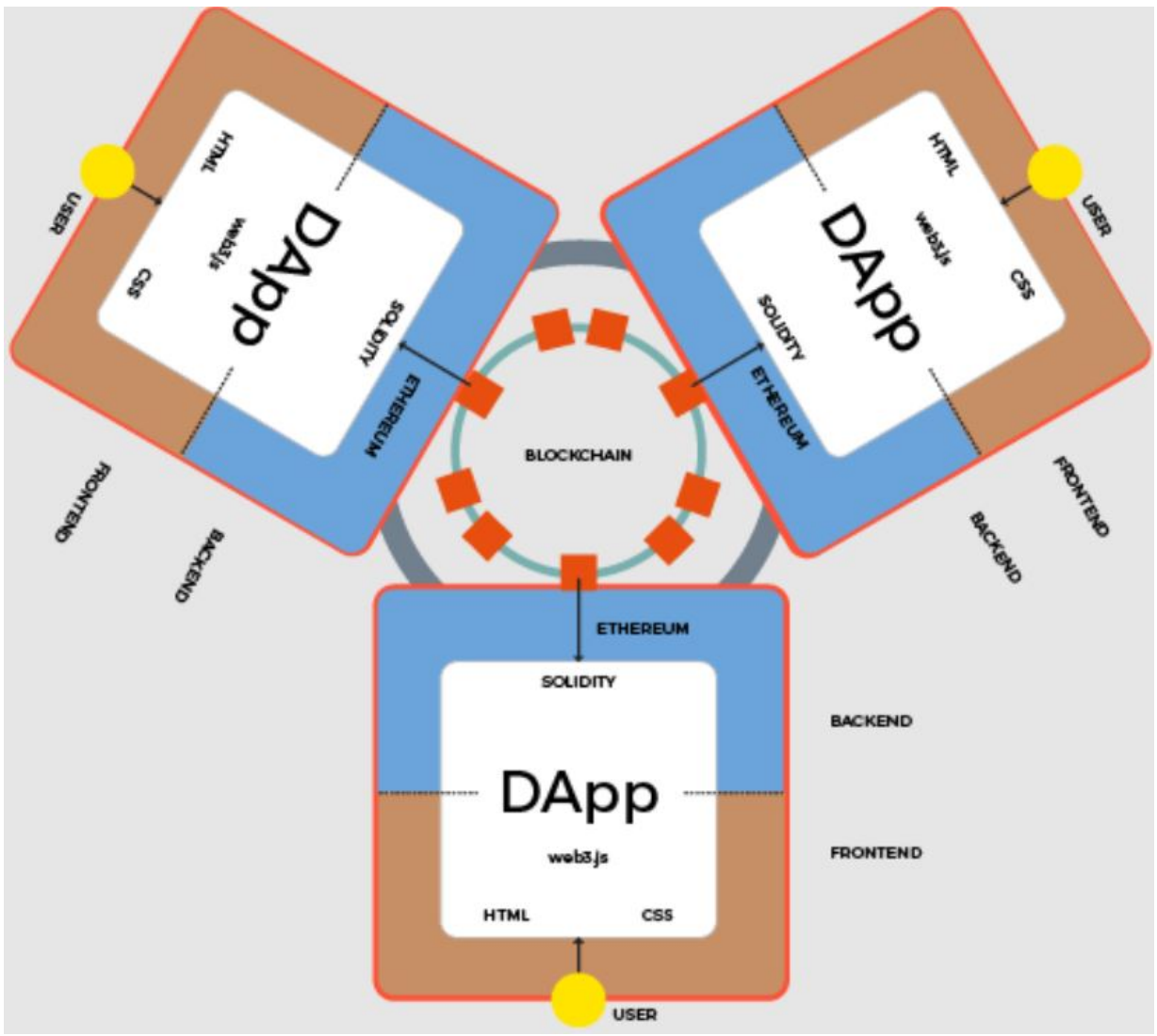


This week we will endeavour to start putting together our first dApp! Not only that, we'll deploy it into the wild. There are a few steps along the way, and many tools we'll make use of. To keep things tractable and bite-sized we've split up the learning and application processes into a few steps. You'll see these in our assignments through Learn this week. Once you're all done, head back to this page and resubmit your GitHub Repo so we can mark everything as done.

As an outline, we will need a Smart Contract to build our dApp around. This is Part 1, and we should begin it as-soon-as-possible.

Part 2 is pretty straight forward, we'll need a place to host our dApp. GitHub pages will do great. So we'll learn a tiny bit about HTML and GitHub pages, and launch a Hello World static HTML page.

Once that is out of the way. For Part 2 we will want to replace our Hello World page on GitHub with the simplest dApp we can imagine. We'll deploy a lightly modified super-simple storage contract and a super-simple interface to interact with it. Here the real fun begins, working with Web3 in JavaScript (JS) to connect to MetaMask, and use our ABI to link some HTML to our Smart Contract we'll deploy on Kovan.



With that under our belt we can move onto bigger things. Getting our an extended Bank contract up and running on the Kovan test network. This will be Part 4.

We'll make good use of branching this week - more about that later. So we'd ask that you only create one GitHub repository for all four parts of this assignment.

Have fun and happy programming!

- [ ] Upload your Github Link to complete this assignment once finished Parts 1 through 4.