an embedded js-ipfs node and any remote IPFS node without having to change the code. RMC makes use of this library for every IPFS related functionality such as writing data and fetching it back.

For AQP and ALP, as it is expected that the array of curated questions is subject to change, the application relies on IPFS's Mutable File System (MFS) which is a virtual file system on top of IPFS to be able to manipulate the state of input questions.

Vue

Vue is an open-source, progressive JS framework for building user interfaces. (Vue.js 2018a) Its non-monolithic character allows incremental adoption and scalability. As it favors a component based approach it brings substantial modularity and reusability in the project. Vue has been the main expressive tool to compose and communicate between different elements of RMC.

For the implementation of non-custom, generic HTML components such as tables or buttons RMC employs Element as UI Library on top of Vue which improves consistency and efficiency greatly.

RMC also uses Vue's state manager Vuex as a central store for all the components, variables, and data objects ,with rules ensuring that the state can only be mutated in a predictable fashion'.

Nuxt

Nuxt is a higher-level framework that builds on top of Vue. It simplifies the development of universal or single page Vue apps. Nuxt abstracts away the details of server and client code distribution so you can focus on application development (Medium 2018).

As RMC deals with different APIs that require asynchronous requests be it for Ethereum blockchain or IPFS, the response time had to be compensated. To achieve this, Nuxt has been employed in order for the applications' components and pages to be rendered on the server-side (SSR) whenever it is possible. Consequently SSR allows substantial decrease in render time (time-to-content) which is crucial for the user