**Introduction**

The idea of the project is to implement a fully online DMV blockchain system in Virginia. Currently DMV system is based on traditional systems in databases. In order to authenticate documents and people, the customer agent is required to supply or approve any service. DMV offers its customers several services, such as drivers, vehicle owners, police services, car dealers, etc. Different features were requested.

**Features**

Online services

1. vehicle registration renewal,
2. address change,
3. DL renewal,
4. report a vehicle sold/traded.

Driver/ ID services

1. Practice exams,
2. Real ID,
3. obtaining a vital record

Vehicle services

1. Selling/donating a vehicle,
2. Titling a vehicle in Virginia

Environment Setup

Dependency

1. Node.js: It is an open-source, cross-platform back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside of a web browser. Node.js allows developers to use JavaScript to create command line tools and server-side scripting, which involves running scripts on the server to generate dynamic web page content before the page is sent to the user's web browser.
2. Ganache CLI
3. Remix Browser
4. Web3.js
5. Visual Studio Code

Setup