**OS Requirement: Ubuntu(recommended), Windows**

**Steps to run:**

1. Install ganache-cli, truffleJS and web3js globally via using npm(node package manager).
2. Add MetaMask wallet as a plugin in Chrome browser.
3. After that, open a terminal and execute ganache-cli. This will give you 10 test accounts and their private keys.
4. Login to Metamask, then click on custom RPC, Enter the URL address of ganache-cli which usually is <http://127.0.0.1:8545> and click on save.
5. Import the first account using their private keys to receive the Test Ethers. Each of the accounts will have 100 test ethers for testing your smart contracts deployment.
6. Now, navigate to your directory where your contracts, migrations etc folders are located (or in other words the code directory).
7. Open a terminal in this directory.
8. Compile the contracts using “truffle compile” command.
9. Then deploy or migrate the contacts using the command “truffle deploy” or “truffle migrate”.
10. Now, Open a new terminal in the directory where this code is located and execute the command **“npm run dev”**. This will open the **index.html** page, the page for adding the farmer’s and retailer’s details.
11. After successful execution, Add the data using the Farmer’s page into the Blockchain. Now, there will be a Metamask transaction confirmation check, only after you confirm the transaction the ether will be deducted and the logs along with alert will show **“Data Sent Successfully”**.
12. Then navigate to the customer’s page using the link provided next to the Submit button called Customer. (This is just a temporary solution. A separate login will be provided for the customers and the Farmers.)
13. In the customer form, enter the details previously entered in the Customer’s form for testing. You will get the quality of seeds and fertilizers used for growing the crop.

**Note: This is just a prototype of the final product. A lot of features are yet to be integrated.**