

A Grocery Application with supply chain

A grocery application with supply chain. The application should have multiple roles, such as buyer, vendor, transporter, farmer etc.

Functional Requirements

- The application has the following roles:
 - Farmer/manufacturer
 - Should be able to add produce to the ethereum network along with details such as
 - Date of harvest/produce
 - Temperature or conditions of storage
 - Cost
 - Transporter
 - Should be able to buy from farmers and manufactures and sell to vendors and log details
 - Date of purchase
 - Date of sale
 - Price of purchase
 - Price of sale
 - Vendor should be able to enlist all products he owns on the application with custom pricing
 - Buyer who buys from vendor
 - Should be able to see the supply chain history of the product.

Tech Stack

- **Solidity** (Smart Contract)
- **Ganache** (Local ethereum test blockchain for testing)
- **Truffle** (DApp Framework)
- **Web3.js**
- **Metamask**
- **Ethereum Network OR HYPERLEDGER FABRIC**
- **HTML, CSS, JS/Angular/React**