

MTX Hackathon Submission

#HackOlympics



**BUILDING
BLOCKS FOR
SUPPLY CHAIN**

This is a Proof of Concept
of Product Supply Chain & Tracking
based on Hyperledger Fabric for the
MTX Blockchain Hackathon 2020

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PERISHABLE GOODS – TRUST & TRANSPARENCY



CONTENTS

- To every problem...
- **There is a Simple Solution** All it needs is a confident thought process.....
- **Architecture** Final outcome of our draw board.....
- **Playing Around** We saw our ray of satisfaction here.....



Problem

Because of the perishable nature of products and limited shelf life, **Perishable food supply chains (PFSCs)** are characterized with rising food quality and safety concerns, alarming food wastages and losses, and poor economic sustainability.

Examples of **perishable goods** include fast food, meat, vegetable, fruit, medicine

Inspiration & References:

- [The need of Transparency in Perishable Goods](#)
- [Perishable Inventory Challenge](#)

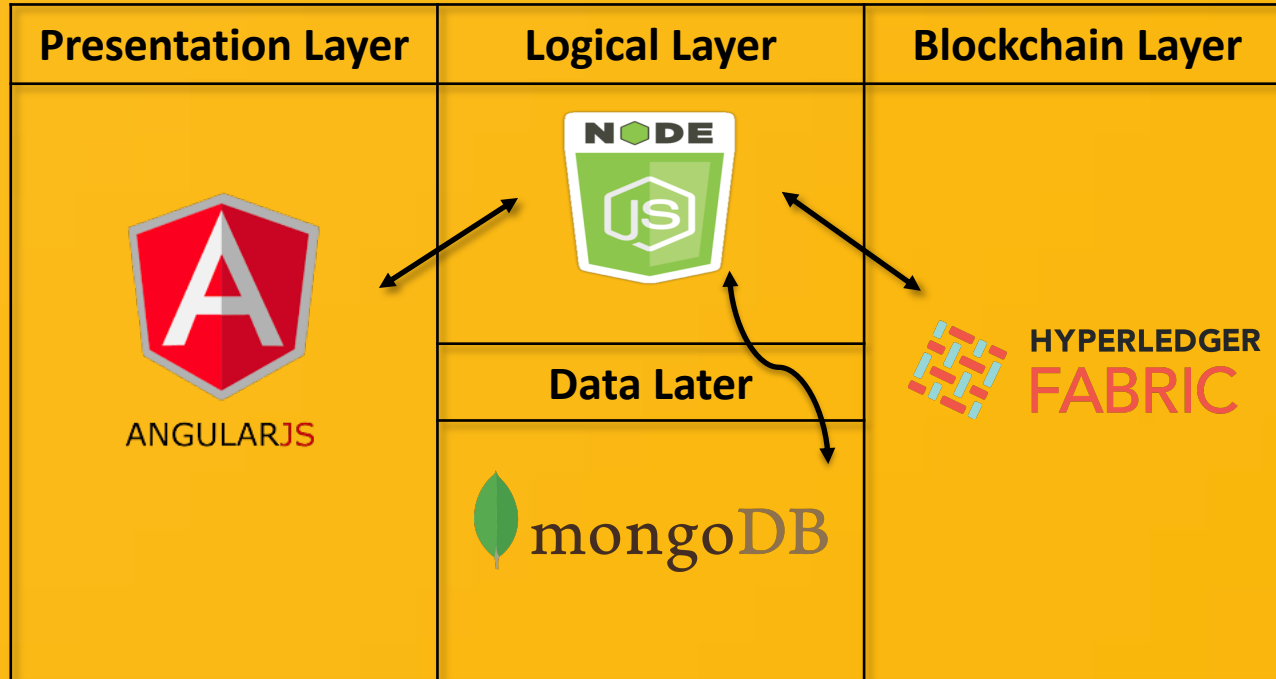
Our Approach

Our approach tries to eliminate the hiccups in the supply chain of perishable goods that exist in the trade industry by using new blockchain technology. Immutable tracking of the origin and ownership of products. A permissioned blockchain network contribute in increasing trust among people who are involved in the common lane of business and trade with the product stature and expiry lane

The solution includes

- Listing of Product
- Trading of Product
- Reliability
- Expiry Date Timestamp

Process Flow Architecture



DEMO

Instructions on how to run is extended in the GitHub Readme file of this project and the same is demonstrated





THE GOAL WAS TO GAIN INSIGHTS AND GET IN THE JOY OF BUILDING

There there there we are.....

Day 01: Lets build something for the competition

Day 09: Let's build build build build it.....and submit what it comes out

THANKS