Pharma Supply chain Trading Platform

Requires: UX screens with Dummy Data and actions
Prototype of 4 pages (Full Stack knowledge and with CSS and JS skills must)

We would be good with showing and proving a business between manufacturer and distributor at this stage to curtail our efforts till we have feedback but with well proven analytics, UI/UX, and benefits derived to manufacturer addressing

1-Recalls
2-Temperature & Humidity (Cold chain Monitoring)
3-Commercial details of order value
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We need to demonstrate the above using the below parameters
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-Distributors 2 nos , 2 different locations
-Manufacture 1 no
- Logistics partner Fedex

Manufacture Name: Onco Pharma, UK
Distributor # 1: CVS, USA
Distributor #2: Rite Aid, UK

Flow

Three Logins/Register
Manufacturer
Distributor
Logistics Provider

Distributor -MFG
-Each distributor will place the order on the same day for 50 Sku's each 10 vials or 10 items to Onco Pharma
-Use only oncology drug name including pricing (must)
-PO no should be generated for distributor and reflect in dash board " Incoming orders"- This in future will have changes based on what manufacturer is using
-Manufacturer will have the 50 SKU Oncology drug name already in his system , including storage details of cold chain custody , and pricing and availability of stock

MFG-Distributor
Manufacturer will check availability internally for shipping from his factory warehouses.

Distributor 1 PO #: PO-CVS-001
Will have 30 items, 8 will not be stock
11 items shipped from one location
11 items shipped from a different location

Distributor 2 PO #: PO-Rite Aid-001
Will have 30 items
All 30 Will have all items in stock

All items are validated , BC Token generated and given to logistics provider

Logistic Provider
Track cold chain custody of humidity and custody

Distributor
Shall receive and sign off the transaction
After receiving recalls alerts/notification to distributor and instructions

Analytics

PO No#1
Details of Order#1
Total Items shipped
Total items pending
Total Items received
Cold chain custody Report of temperature and humidity
Total Order Value

PO No#2
Details of Order#1
Total Items shipped
Total Items received
Cold chain custody Report of temperature and humidity
Total Order Value

Recalls
For PO#2
-5 items are recalled due some formulation issue or loss of cold chain custody standards
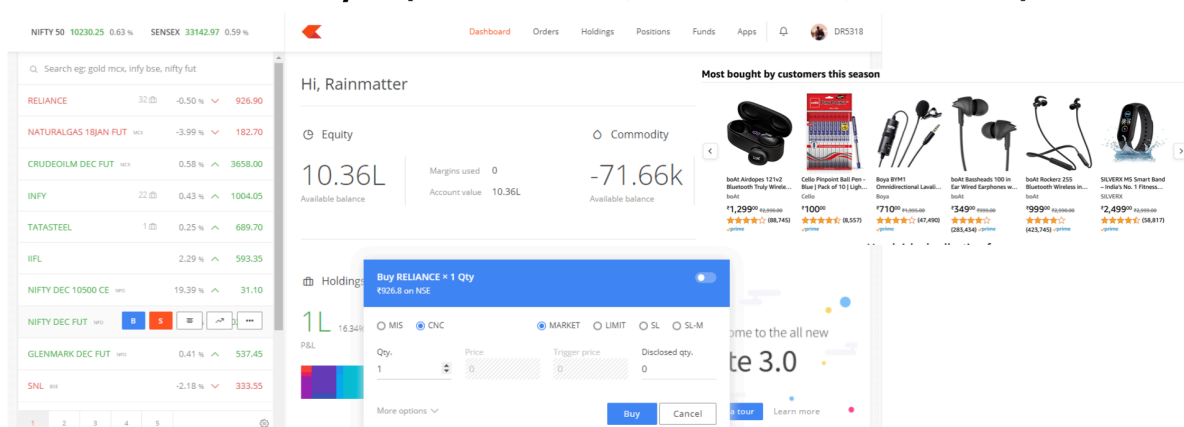-Which 5 items are to be recalled
-Total recall value
-Recall 360 degree reporting

Comparison between PO#1 and PO#2 fulfilment, recalls, MTO, total loss of value .

This would be a good beginning point to demonstrate an efficient MVP

Order Management
User: Buyer (Distributors , Wholesaler , Retailers)

https://api.fda.gov/drug/ndc.json?search=generic_name:%22Benzoyl%22&limit=1000

Page1: Display of products, lefthand side and selection of products, like Kite UX, details of Product Master Data, Details of Salable item data)

Page 2: Manage Orders, track status of order, some order in progress, completed, order list show, graphs, charts about orders etc

Page 3: Seller's received orders, view, manage orders, split as per the line item and create Consignment (Plat/ warehouse location to Destinations, Advance Shipping Notification preparation

Page4: Order Tracking, Point A to Point B movement , Temp Graph or details

Technical details
1. Companies (Trading Parties GLN), its locations : Admin, Warehouse, Plants
2. Products Master Data (GTIN), Productions: LOT/Batch, Serialisation (Warehouse Stock and production flow)
3. Supplier Catalogs (GTINs, Qty availability..)
4. Purchase Orders
5. Order Acceptance/ Notification/ Consignments/
6. Adv Shipping Notifice
7. Tracking - GPS, Temp (Attaching device to package)
8. Smart Contracts

BUSINESS FLOWS
Order
Order Confirmation/Order Reception Acknowledgement
Despatch Advice
Receiving Advice
Consignment Stock Status Report
Transfer of Ownership Report
Invoice

https://www.gs1.org/standards/edi/healthcare-guidelines

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https://www.accessdata.fda.gov/scripts/cder/ndc/index.cfm

Drugs Approved to Prevent Breast Cancer
Evista (Raloxifene Hydrochloride)
Raloxifene Hydrochloride
Soltamox (Tamoxifen Citrate)
Tamoxifen Citrate

Drugs Approved to Treat Breast Cancer
Abemaciclib
Abraxane (Paclitaxel Albumin-stabilized Nanoparticle Formulation)
Ado-Trastuzumab Emtansine
Afinitor (Everolimus)
Afinitor Disperz (Everolimus)
Alpelisib
Anastrozole
Aredia (Pamidronate Disodium)
Arimidex (Anastrozole)
Aromasin (Exemestane)
Capecitabine
Cyclophosphamide
Docetaxel
Doxorubicin Hydrochloride
Ellence (Epirubicin Hydrochloride)
Enhertu (Fam-Trastuzumab Deruxtecan-nxki)
Epirubicin Hydrochloride
Eribulin Mesylate
Everolimus
Exemestane
5-FU (Fluorouracil Injection)
Fam-Trastuzumab Deruxtecan-nxki
Fareston (Toremifene)
Faslodex (Fulvestrant)
Femara (Letrozole)
Fluorouracil Injection
Fulvestrant
Gemcitabine Hydrochloride
Gemzar (Gemcitabine Hydrochloride)
Goserelin Acetate
Halaven (Eribulin Mesylate)
Herceptin Hylecta (Trastuzumab and Hyaluronidase-oysk)
Herceptin (Trastuzumab)
Ibrance (Palbociclib)
Infugem (Gemcitabine Hydrochloride)
Ixabepilone
Ixempra (Ixabepilone)
Kadcyla (Ado-Trastuzumab Emtansine)
Keytruda (Pembrolizumab)
Kisqali (Ribociclib)
Lapatinib Ditosylate
Letrozole

Lynparza (Olaparib)
Margenza (Margetuximab-cmkb)
Margetuximab-cmkb
Megestrol Acetate
Methotrexate Sodium
Neratinib Maleate
Nerlynx (Neratinib Maleate)
Olaparib
Paclitaxel
Paclitaxel Albumin-stabilized Nanoparticle Formulation
Palbociclib
Pamidronate Disodium
Pembrolizumab
Perjeta (Pertuzumab)
Pertuzumab
Pertuzumab, Trastuzumab, and Hyaluronidase-zzxf
Phesgo (Pertuzumab, Trastuzumab, and Hyaluronidase-zzxf)
Piqray (Alpelisib)
Ribociclib
Sacituzumab Govitecan-hziy
Soltamox (Tamoxifen Citrate)
Talazoparib Tosylate
Talzenna (Talazoparib Tosylate)
Tamoxifen Citrate
Taxotere (Docetaxel)
Tecentriq (Atezolizumab)
Tepadina (Thiotepa)
Thiotepa
Toremifene
Trastuzumab
Trastuzumab and Hyaluronidase-oysk
Trexall (Methotrexate Sodium)
Trodelvy (Sacituzumab Govitecan-hziy)
Tucatinib
Tukysa (Tucatinib)
Tykerb (Lapatinib Ditosylate)
Verzenio (Abemaciclib)
Vinblastine Sulfate
Xeloda (Capecitabine)
Zoladex (Goserelin Acetate)

Please review this

https://www.youtube.com/watch?v=4co7UUHsssg

https://www.youtube.com/watch?v=ip6L5TJFX8c

https://www.youtube.com/watch?v=KEDXU-MkmVI