Capstone Project 2023

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Distributor Operations Manager

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8.SUMMARY

9.REFERENCES

https://github.com/Learning2Code75/DLOM

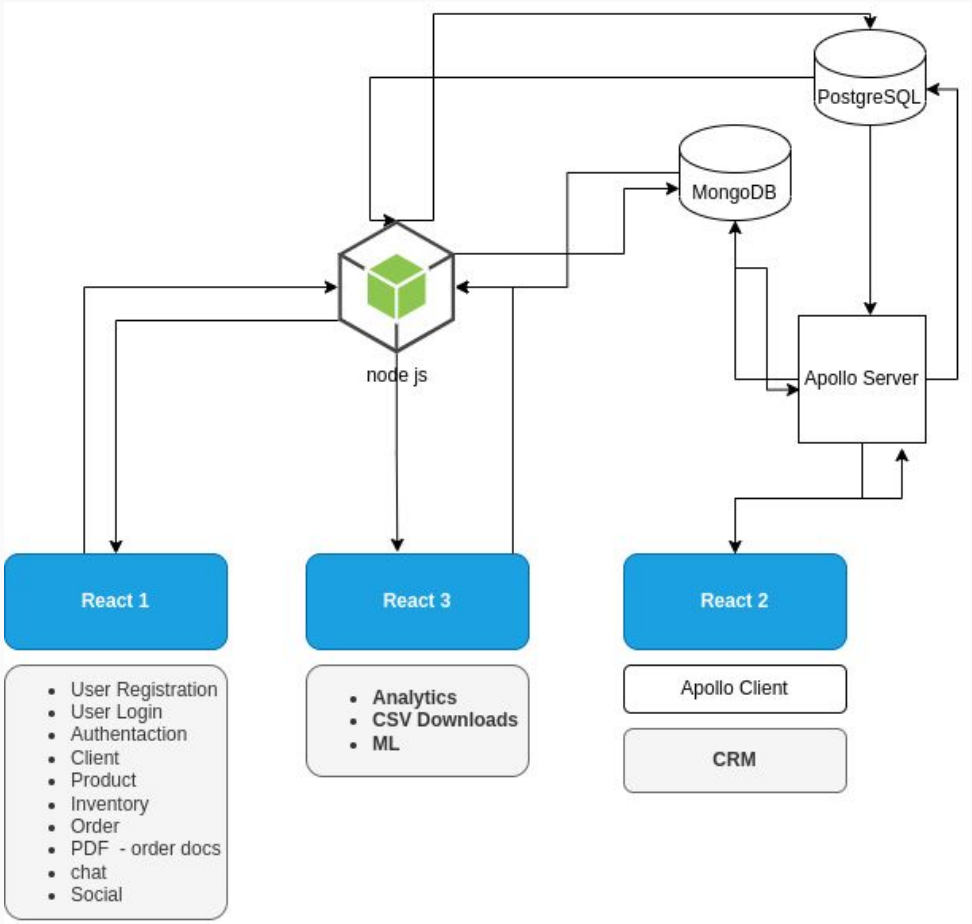
Web Application Link :

Distributor Operations Manager

A web application to manage operations at distributor level using different authorized accounts , approval workflow and documentation.

Neel Choksi - VIT,Vellore . B.Tech 3rd Year

Web Application - Structure



React 1

Distributor Operations

1. User Registration
2. User Login
3. Authentication
4. Client [View nicely as avatar]
5. Product [View nicely as catelogue]
6. Order [View nicely as kanban]
7. Inventory $[Product]
8. PDF - order docs $[Order]
9. Chat
10. Social

1)User Registration

1.

Operations :

1.

2)User Login

1.

Operations :

1.

3)Authentication

1.

Operations :

1.

4)Client

1.

Operations :

1.

5)Product

1.

Operations :

1.

6)Inventory

1.

Operations :

1.

7)Order

1.

Operations :

1.

8)Order PDF - Order Docs

1.

Operations :

1.

9)Chat

1.

Operations :

1.

10)Social

1.

Operations :

1.

React 2

CRM

1. CRM $[Client]

React 3

Analytics , CSV Downloads , ML

1. Analytics
2. CSV Downloads
3. ML

Apollo Server

React 2

1. Analytics
2. CSV Downloads
3. ML

Node Server

React 1 , React 3

1. Analytics
2. CSV Downloads
3. ML

Client Requirements

MERN: -

1. User data - Login , Register, Different user roles, profile
2. Client data - Create, Update , Delete , View
3. Product data - Create , Add, Update ,Delete ,View(catalogue)
4. Order data - Create, Add, Update, Cancel , View , PDF
5. Order process - Approval workflow
6. Social platform
7. Chat platform

GMERN : -

1. CRM

ML , Data analytics

1. Download CSV for doing ml, data analytics on it
2. Visualize data

ML :

1. Python , try multiple models using RP
2. Change algorithms, try new things whatever is available

Data analytics:

1. R : already available methods learnt in indus_intern + new from R Playlist

Client Deliverables

1. user management:login , registration , roles
2. user approval workflow
3. crud client
4. crm system for client
5. crud product
6. inventory system for product
7. crud order
8. pdf generation for order
9. social platform with chat for supplier, manufacturer,distributor, retailer
10. analytics : (tables, maps, charts)
11. react d3 -1,2 : 17 hr
12. chart js :15hr
13. download csv
14. ml :
15. tensorflow js: docs
16. serve csv → analyse in python(pull data)

User Data

1. Name : String
2. PhotoURL (URL from photo uploader) : String
3. Position (eg. Sales executive, Full Stack Web Developer) : String
4. Personal Pitch : String
5. Theme

Operations :

1. Update
2. [Pre View]

References

1. create read: https://youtu.be/ngc9gnGgUdA
2. update delete: https://youtu.be/aibtHnbeuio
3. login auth:https://youtu.be/LKlO8vLvUao
4. pagination , search: https://youtu.be/LYWgPSbPDfQ
5. comments : https://youtu.be/46NRrn4xi5Y
6. crm: GMERN: https://github.com/Learning2Code75/GYB_vid5to8_gmern#references-
   Apollo server :

   https://youtube.com/playlist?list=PLpGo-Y3em4SXceWj-OOEFcJmN0MO05vs7

   Apollo server , apollo client fullstack:

   https://youtube.com/playlist?list=PLASldBPN_pkDUuOzyPotAkKmvwgyDoA0g

   https://youtu.be/n1mdAPFq2Os (GMERN)

   Apollo client:

   https://youtu.be/4smsVPgZDOo https://youtu.be/DAiXXdGJjvQ

   React gql crud: https://youtu.be/ly3m6mv5qvg

   Project 6 - tabs Project 7 - slider Project 8 - grocery bud Project 9 - cart Project 10 - cocktails

References

Project 6 - tabs Project 7 - slider Project 8 - grocery bud Project 9 - cart Project 10 - cocktails

GQL react crud: https://youtu.be/ly3m6mv5qvg

Project 1 - birthday Project 2 - tour Project 3 - reviews Project 4 - q and a Project 5 - menu

React JS Frontend only: https://youtu.be/ly3m6mv5qvg

Lorem ipsum Color generator Navbar Sidebar, modal stripe

React cascading drop-down:

https://www.cluemediator.com/cascading-dropdown-in-react

React pdf print:

https://youtu.be/497riGWbhsQ https://youtu.be/B1EoBWAFPp0

https://drive.google.com/drive/u/0/mobile/folders/11QepFbApvcbKNc1h4TLLLP8apRKhqPdr/1Jdk6EcYtzv86iyJGAVojLQjy4kgpadvn?sort=13&direction=a

1. encrypted chat with social:
   a. https://github.com/Learning2Code75/ISAA_Project_Sem5_VIT
2. analytics:

References

1. analytics:
   a. structure data : https://youtu.be/AN3t-OmdyKA
   b. data vis:
      i. https://youtu.be/2LhoCfjm8R4
      ii. https://youtu.be/H2qPeJx1RDI
2. ml :
   a. https://www.tensorflow.org/js/tutorials
      https://nodejs.dev/learn
      https://codelabs.developers.google.com/codelabs/tfjs-training-regression/index.html#2
      https://developers.google.com/machine-learning/crash-course/

      https://youtu.be/6uE4nfFgc5Q
      https://youtu.be/mlxoB3wI9eY
      https://youtu.be/syhubxG-Kno
      https://youtu.be/pHiMN_gy9mk
      https://youtu.be/VOpETRQGXy0
      https://youtu.be/1vsmaEfbnoE
      https://youtu.be/s9HzfsNO9_4
      https://youtu.be/J-HV7gNVdd0
      https://youtu.be/oIFxW7kdtP8
3. prev: https://github.com/Learning2Code75/IWP_Project_SEM5_VIT
4. css:https://m.youtube.com/playlist?list=PLhoNfB3WZFScWKvVE-_wdqe6_PH9LctiG

Final Work For Completion

1. Clients - CRM : showing timeline with conversations made with each client , client's previous purchases
2. Products
    a. Inventory : CSV file , analytics dashboard, prediction to understand supply , demand
    b. Catelog : Select Products to show to particular client, create instant PDF
3. Users :
    a. login , registration : JWT
    b. Approval Workflow
4. Orders :
    a. SO , Invoice , Warehouse Receipt [Fetch data from client, product collections - autocomplete]
    b. Approval Workflow
    c. Payments Ledger - Blockchain
    d. Delivery Status - Blockchain