

SMART INDIA HACKATHON 2022

TROJAN HEX NEW



Project Details



Ministry/Organization Name/Student Innovation : National Disaster Response Force (NDRF)

PS Code : GS910

Problem Statement Title : Using Innovative Blockchain Technologies in Emergency Management and Disaster Response.

Team Name : Trojan Hex New

Team Leader Name : Ajit.R.Dakre

Institute Code (AISHE) : 3188

Institute Name : Vasantdada Patil Pratisthan's College Of Engineering & Visual Arts

Domain Bucket : Disaster Management

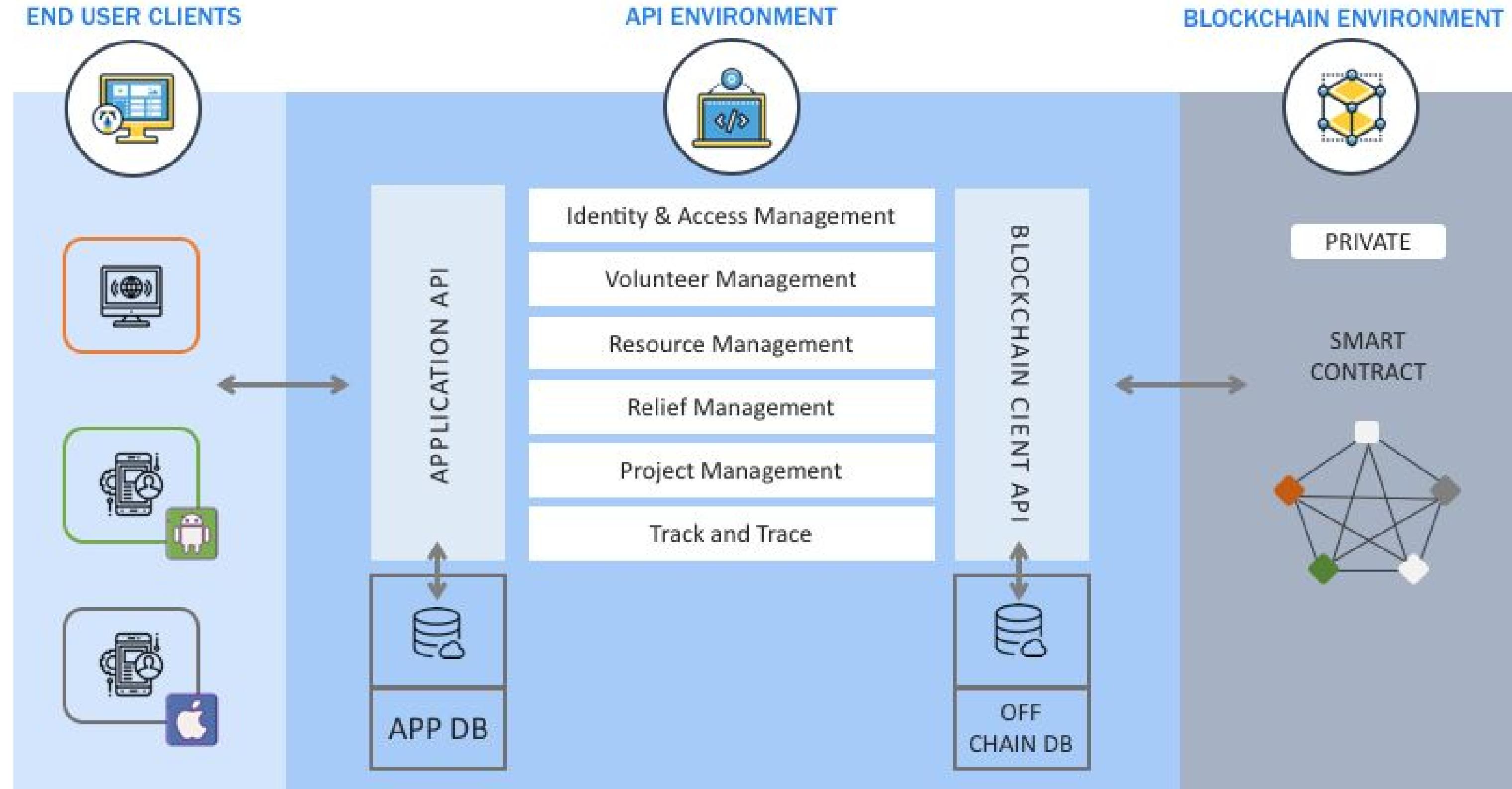
About the Project

- We are making a blockchain system for disaster hit area where there is a scope of mishappening on the side of NGOs Govt or Supervisors
- By this we are trying to make everything available to public so that there is transperancy
- To solve this problem we have created a smart contract which cannot be altered by anyone as per the predefined rules.
- The smart contract and it's public ledger will be available to anyone all over the world, and anyone over the internet can verify the smart contract for any vulnerabliities.
- This will reduce the corruption or mismanagement done by govt or NGOs during any natural disaster or calamities.

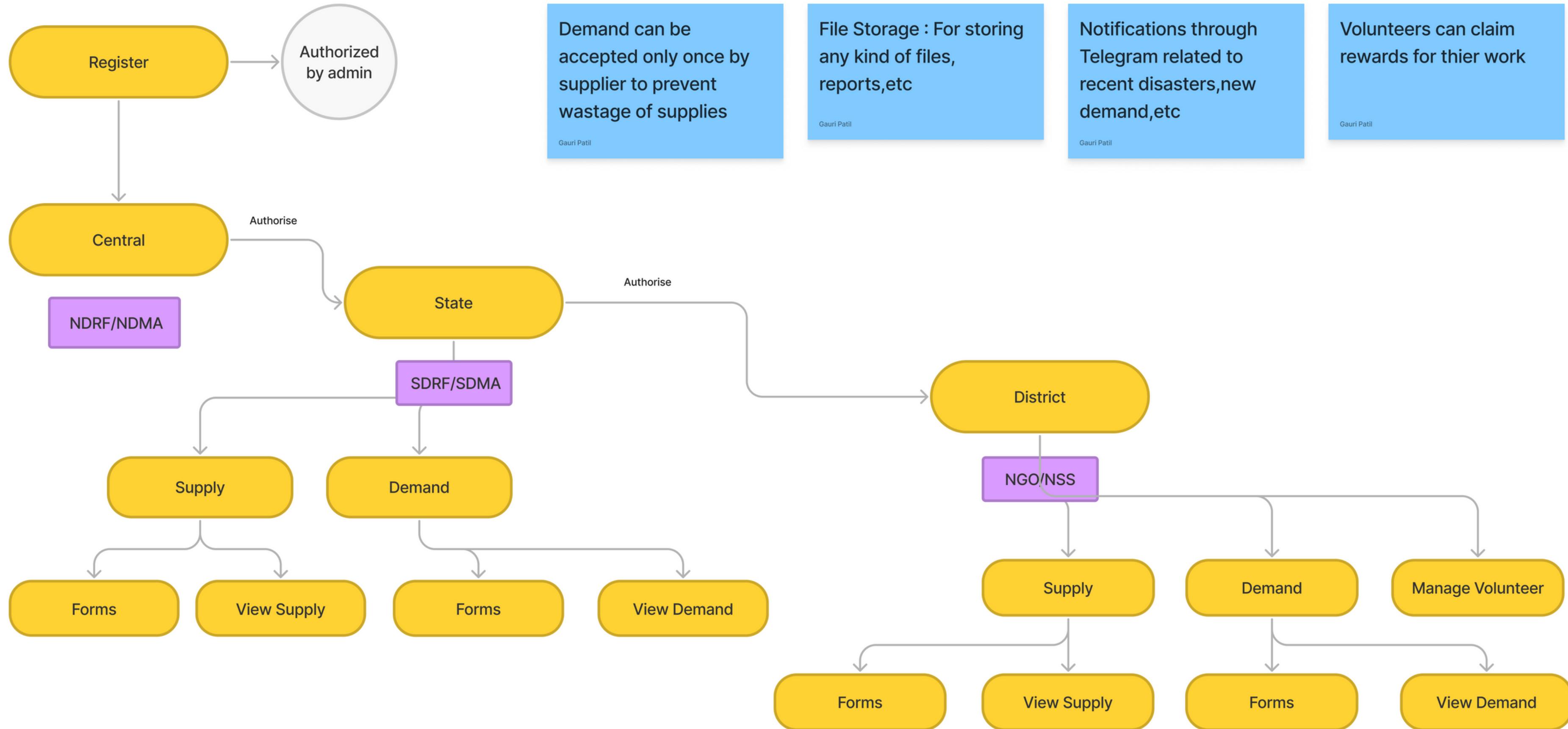
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Use Case

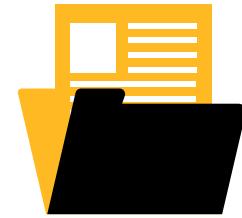
- Government/NGOS will be able to reduce redundancy by using smart contract.
- Government/NGOs will be able to provide aids to the disaster prone region locals and at the same time can track the entire process.
- By tracking the entire process at every single level, government decreases the chances of bad practices.
- Any third Party can verify this through website.
- Volunteer can claim rewards for their work.



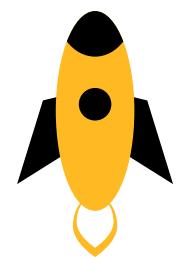
Flowchart



In Case Of Lack of Supply



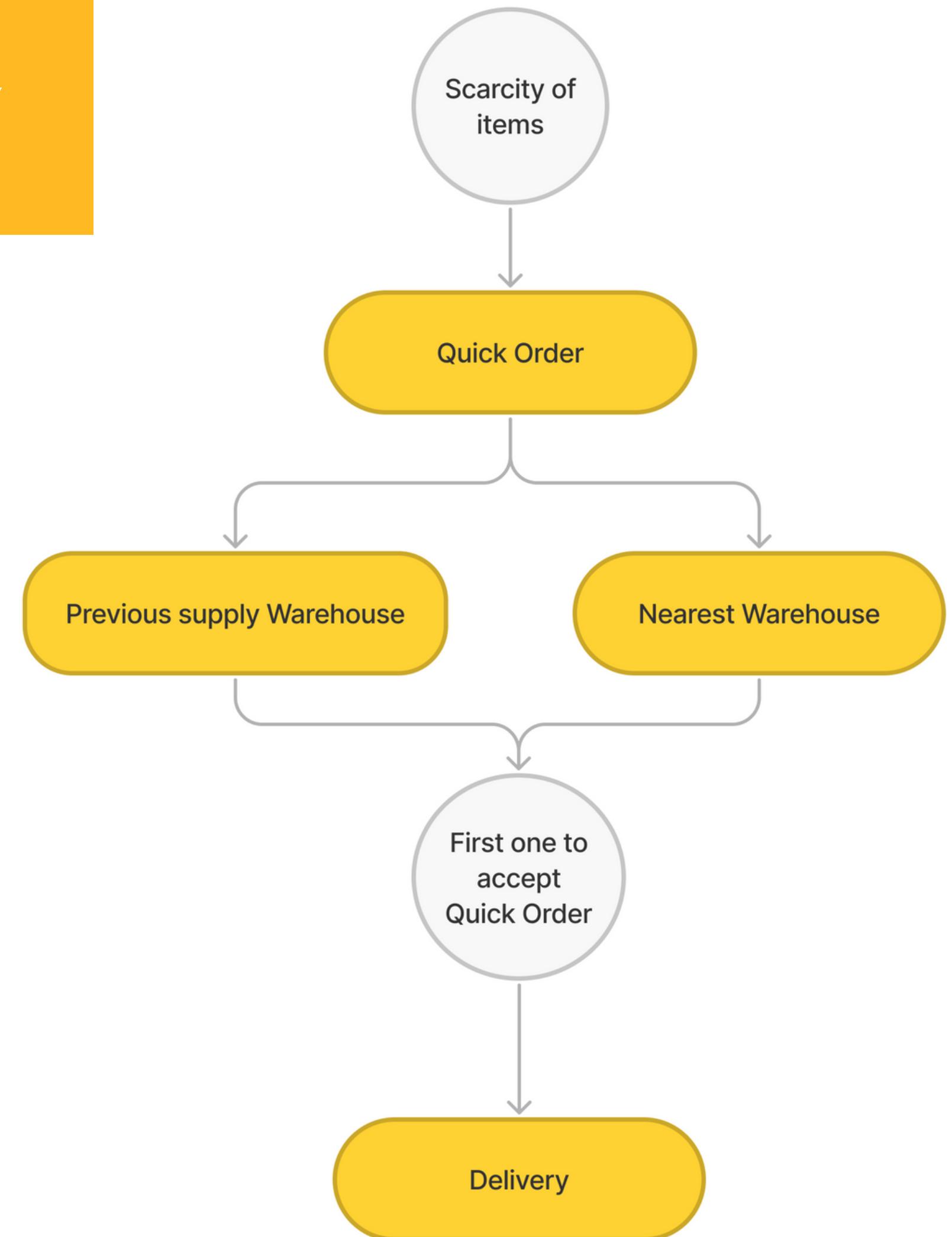
Query is send to nearest warehouse and the main warehouse from where the previous delivery was done

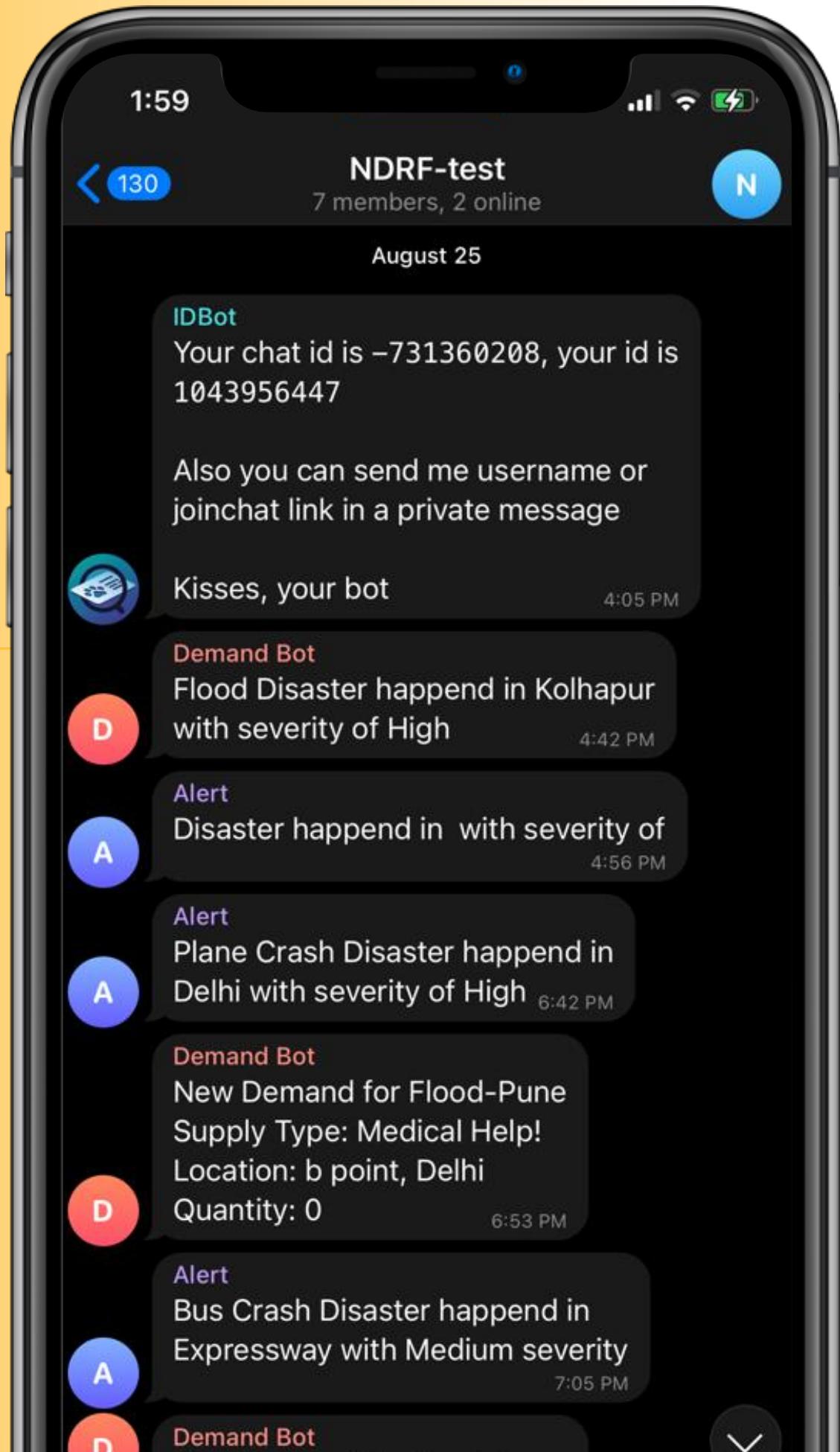


The one who accepts first among the nearest warehouse, delivers the supply.



This helps in providing help immediately in case of misplaced/lack of products.





Updates

How will the NGOs/helpers know about the new demand?



All the NGO's/Helpers will be notified about the demands and other updates by Alerts on Telegram



We are using Telegram as it is the most growing platform since last 2-3 years and is free of cost where as whatsapp charges around 1Rs per message.

QR Code with Serial Number

- QR code is the best way of keeping track of product and verifying it.
- In case of any net issue or other issue in which QR code is not possible to use, one can keep the track of product using serial number



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Thank you!

Feel free to approach us
if you have any questions.