



Group Assignment – dApps1

eKYC

Financial institutions are required by law to “know your client” (KYC). This is a requirement that makes the seller of the securities aware of the financial status of the buyer. It requires the seller to make sure that the buyer meets certain requirements before buying risky investments

Currently each company has to gather this information from each investor. If an investor deals with multiple companies, they have to get this information all over again. Companies are also required to update the KYC information on an annual basis.

For this project we would like your group to build a blockchain system for sharing customer KYC information.

The blockchain would enable:

- Storing KYC information on a user
- Putting out a request for the KYC of a user
- Responding to the request
- Picking the best response to use
- If there are no responses then get the data from the user

Please submit your assignment via GitHub.com with the following components:

1. Model the business case using the modeling techniques learned in the class.
2. Develop the blockchain architecture which include
 - a. Peers
 - b. CA (Certificates and Users)
 - c. Orderer/s
 - d. Channel/s
 - e. MSPs
3. Develop the Smart Contracts
4. Develop the API to communicate with Smart Contracts using Fabric SDK
5. Use a front-end built on react/JS/Postman etc. to communicate with API and read/write from Blockchain.
6. Develop a governance document for the project.
7. Develop a Solution Design Document.



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Feel free to use other additional components like PDCs (Private Data Collections) and ACLs (Access Control List) etc. Describe those components in Solution Design Document.