FrontEND------------------------------------------------------------------------------------------------------------------------------------------------------

download "src" folder from drive

download VS-code from "https://code.visualstudio.com/download" in ".deb" format

command: cd

command: sudo apt install ./name.deb //install downloaded .deb file, where "./name.deb" is path of downloaded .deb file

open VS-code

open ternimal //external terminal (Ctrl+Shift+C) or vs-code terminal (Ctrl+`)

command: cd ~/Desktop

command: npx create-react-app my-app //create react project with name "my-app" on desktop

command: cd my-app //optional (run this command, if using external terminal / skip, if using vs-code terminal)

Replace "src" in "my-app" folder on desktop with downloaded "src" folder

open "my-app" folder in vs-code

command: npm cache clean —force

command: rm -rf node\_modules package-lock.json

command: npm install

open package.json and replace "start": "react-scripts start" to "start": "PORT=4000 react-scripts start" on line 24 //change default port because rest-api is using that port

command: npm start //will open front end project in default browser

(if error appear about some dependencies not found:

like this install dependencies one by one: npm install {dependency name}

e.g: //after each command run "npm start" to see which next depencency is missing untill project sucessfully open in browser

command: npm install axios

command: npm install react-bootstrap

command: npm install bootstrap

)

BackendEND------------------------------------------------------------------------------------------------------------------------------------------------------

download .bna file from drive and extract it

install VS-code (if not already installed), open it and install Hyperledger Composer extension from the Marketplace

open https://hyperledger.github.io/composer/v0.19/installing/installing-prereqs.html to install prerequisites OR simply copy paste following commands in terminal:

cd

curl -O https://hyperledger.github.io/composer/v0.19/prereqs-ubuntu.sh

chmod u+x prereqs-ubuntu.sh

./prereqs-ubuntu.sh

now open https://hyperledger.github.io/composer/v0.19/installing/development-tools.html for backend setup OR simply copy paste following commands in terminal:

npm install -g composer-cli@0.19

npm install -g composer-rest-server@0.19

npm install -g generator-hyperledger-composer@0.19

npm install -g yo

npm install -g composer-playground@0.19

mkdir ~/fabric-dev-servers && cd ~/fabric-dev-servers

curl -O https://raw.githubusercontent.com/hyperledger/composer-tools/master/packages/fabric-dev-servers/fabric-dev-servers.tar.gz

tar -xvf fabric-dev-servers.tar.gz

cd ~/fabric-dev-servers

export FABRIC\_VERSION=hlfv11

./downloadFabric.sh

cd ~/fabric-dev-servers

export FABRIC\_VERSION=hlfv11

./startFabric.sh

./createPeerAdminCard.sh

setup is done

Now to start docker and composer:

cd fabric-dev-servers/fabric-scripts/hlfv1/composer

docker-compose start

composer-playground

hyperledger composer will open

To create BNA

enter name:shmb

description:

network:admin@shmb

choose empty bussiness network

choose id and secret

enter "admin" as id and "adminpw" as secret

enter deploy

empty bna will be created

click on "add file" from left panel

click browser add model, script, permission and query files from extracted .bna file

click deploy on left bottom of composer

And to stop docker after working

cd fabric-dev-servers/fabric-scripts/hlfv1/composer

docker-compose stop

REST-API------------------------------------------------------------------------------------------------------------------------------------------------------

To build composer rest server api,open terminal and copy paste: composer-rest-server

when asked write: admin@shmb

select: never use namespaces option

then enter these options one by one in order: no, no, yes, just simply press enter, yes, no

Rest-api will open on port 3000 in default browser

OR

command: composer-rest-server -c admin@shmb -n never -u true -w true