LAB2: AIRLINE CONSORTIUM ASK

Directory Structure:

Level 1:

```
ubuntu@ubuntu-vbox:~/Desktop/blockchain-ask$ tree -d -L 1
.
├── ask-blockchain
├── ask-blockchain-vue
```

The Base directory consists of 2 main directories

1] Ask-blockchain : Contains all the blockchain related files like smart contracts, migration files etc.

2] Ask-blockchain-vue : Contain all the files related to the webapp developed in vue js

Level 2:

```
ubuntu@ubuntu-vbox:~/Desktop/blockchain-ask$ tree -d -L 2
.
├── ask-blockchain
│   ├── build
│   ├── contracts
│   └── migrations
├── ask-blockchain-vue
│   ├── bin
│   ├── node_modules
│   ├── public
│   ├── routes
│   └── src
```

The folders contained in the 2 main directories is shown in the figure above.

Folders and Files present in Ask-blockchain:

```
.
├── build
│   └── contracts
├── contracts
│   ├── ASK.sol
│   └── Migrations.sol
├── migrations
│   ├── 1_initial_migration.js
│   └── 2_deploy_contracts.js
└── truffle-config.js
```

Contracts folder contains all the smart contract files. ASK.sol is the smart contract for ASK consortium and Migrations.sol is the contract used to deploy the smart contract.

Folders and Files present in Ask-blockchain-vue:

The src folder consists of all the import frontend related files. Components , views and Util are a few of important directories.

```
.
├── app.js
├── babel.config.js
├── bin
│   └── www
├── package.json
├── package-lock.json
├── public
│   ├── favicon.ico
│   └── index.html
├── README.md
├── routes
│   ├── requestA.js
│   └── requestB.js
└── src
    ├── App.vue
    ├── assets
    ├── components
    ├── main.js
    ├── router.js
    ├── Util
    └── views

8 directories, 13 files
```

Steps to Execute:

Step 1:- Compile and deploy the contracts using truffle

1] Go to directory /home/ubuntu/Desktop/blockchain-ask/ask-blockchain and then type *truffle compile*

2] Then once its done type *truffle migrate –Reset*.

Step 2:- Compile and deploy the web app

3] In New terminal Go to directory /home/ubuntu/Desktop/blockchain-ask/ask-blockchain-vue and then type *npm install* to install all the dependencies.

4] Then once its done type *npm start*. To connect to database. If successful "Connected to database is received"

5] In New terminal Go to directory /home/ubuntu/Desktop/blockchain-ask/ask-blockchain-vue and then type *npm run serve* to start app.

6] The local host link will be visible on the page.

7] 3 main pages are there:-

7.1] Admin page where we unregister airlines. ID:- SU PWD:- anything

7.2] Airline page where airlines accept or deny requests ID:- airline PWD:- airline

7.3] User page where users request for change in flights.

Airline A ID:- thanos PWD:- thanos

Airline B ID:- stark PWD:- stark