DREAM MORTGAGE WALKTHROUGH

Click on Demo URL http://dreammortgage-demo.us-west-2.elasticbeanstalk.com/

CUSTOMER WALKTHROUGH

1. Click on "Customer" link on demo URL then click "Apply For mortgage"
2. Fill out the fields, customer name, customer address, customer SSN, customer date of birth, request loan amount, mortgage property address, type of mortgage, mortgage start date and mortgage duration on "Apply for Mortgage" and then click "submit" action button.
3. Customer application will be assigned a "Mortgage Number" by Chain Code. That point onwards application can be tracked for status or modified for allowed fields on "Check Mortgage Details".
4. To verify application please click "Check Mortgage Details" select the customer name and respective application for that customer and then click "select" button to view/update required details.
5. If application is in pending-customer status please just click submit to move application to "pending-bank" status and Mortgage deed is in "NOT ACCQUIRED" status.

DATA SERVICE PROVIDER

1. Click on "Data service Provider" link on demo url.
2. Select needed application and enter the details for property valuation, credit score and financial worth
3. After submission Chain code should be able to calculate, Risk Classification(A,B,C or D), Risk adjusted return(1,3/4,1/2,1/4 of rate of return depending on risk classification) and expected cash flow.
4. This screen can be used any number of times in mortgage lifecyle and will help determine risk on that mortgage at that particular time.

LENDING BANK WALKTHROUGH (UNDERWRITING AND DISBURESEMENT)

1. Click on "Lending Bank" link on demo url.
2. Click on "Mortgage Application"
3. Explore various buttons Approve, Update, Deny or Request of Information.
4. Approve will move Mortgage to Approved status, similarly update will update any new info or modified information but will not modify the state of the mortgage and Deny button will be modify mortgage stage to Denied status.
5. If ownership cost is update during or after granting approval mortgage stage will be update to Disbursed and ownership of deed will be assigned to Lending Bank by chain code.

LENDING BANK WALKTHROUGH (SELLING TO SECONDARY LENDERS)

1. Click on "Approve GSE Transfer" screen in "Lending Bank" to sell selected mortgage to "GSE" which is securitizing agency in US.
2. This screen shows all the mortgages requested for Purchase by "GSE"
3. Select one or more Mortgage Applications to sell, then enter a discount amount between 0 to 100 to sell Mortgage to GSE at required discounted price(ownership cost) or none. Sell on this option will trigger smart contract to Mortgage Deed to "GSE"
4. Similar to "Approve GSE transfer", click on "Approve Auction Transfers" to sell requested mortgage to Partner Bank at discounted rate or none. Also to revert Auctioning decision for requested mortgages. Sell on this option will trigger smart contract to Mortgage Deed to "PARTNER_BANK"
5. Click "Auction mortgages" to open unsold mortgages to Partner bank's that are ready. This decision to sell mortgages is taken by bank based on various needs sometimes to sell riskiest assets to match Lending Bank's Risk Management mandate.
6. Click "Review Auction Mortgages" to revert the auction decision on particular mortgage.

LENDING BANK WALKTHROUGH (SERVICING AND GOVERNANCE)

1. Click on "Monthly Mortgage Servicing" to service the mortgage for monthly payments or prepayments. It will also show status of mortgage Deed and Stage real time.
2. Click on "customer time metrics" to see consolidated view of various time performance metrics.

PARTNER BANK

1. Click on "Partner Bank" link on demo url.
2. Click on "Purchase Mortgage" link to select mortgages which are put on Auction by bank. Then click Request Purchase to purchase mortgage from the Lending bank.
3. Click on "View Purchased Mortgages" to view all mortgage purchased by Partner Bank"

SECURITIZATION

1. Click on "SECURITIZATION" link on demo url.
2. Click on "Request Purchase of Conformed Mortgages" to view all mortgage that meet the predetermine selection criteria. These mortgages are called conformed mortgages and are automatically calculated by Chaincode.
3. Click Request purchase to intimate to bank that it case approve the mortgage to be transferred to GSE.
4. Click on "View Pending Purchase request" to view all the mortgages that were planned to be purchased by GSE but not yet approved for transfer by Lending bank.
5. Click on "Purchased mortgage" to view mortgages purchased by GSE.

FULL BROKER FIRM

1. Click on "Full Brokerage Firm" link on demo url.
2. This will bring up graphs of mortgage that were grouped by year and sold to full service brokers by secondary lenders.

FEDERAL RESERVE

1. Click on "Federal Reserve" link on demo url.
2. This will bring up all real time current and historical statistics.

CITY COUNCIL

1. Click on "City Council" link on demo url.
2. Enter "California" on mortgage property address and then click "Search" button.
3. This should pull up all mortgages tied to California.

AUDITOR

1. Click on "Auditor" link on demo url.
2. This will read all the Block Chain blocks and present the information in form of ledger.
3. To audit specific mortgage click "search by mortgage numbers" textbox and enter a valid mortgage number then click Apply Filter. This will bring up ledger pertaining to searched mortgage number.
4. Delete text box contain and click "Apply Filter" again to view all ledger entries.

BLOCK CHAIN EXPLORER

1. Click on "Blockchain Explorer" link on demo url.
2. This will bring up encrypted block and represent them visually in real time.

ABOUT AND CONTACT US

1. Click on "About" link on demo url.
2. Clicking About will background of block chain and give purpose of Dream Mortgage and team structure.
3. Click on "Contact US" link on demo url to see team members contact numers.

HOME

1. Click on "Home" link on demo url to get access to documentation stored in left Nav.