

1) Initial page you see when you start the application.

The screenshot shows the 'Account Login' page of the 'Collateral Chain' application. The page has a light blue background with a subtle wave pattern. At the top left is the text 'Collateral Chain', and at the top right are links for 'Login' and 'Register'. The main heading is 'Account Login'. Below it are two input fields: 'Username' and 'Password', each with a placeholder text of the same name. A 'Submit' button is located below the password field. At the bottom left, there is a copyright notice: '© 2017 BP SWE Interns & Co.'.

2) Registering an account. This will have 3 options- Client, Broker, Lender in Client Type.

The screenshot shows the 'Register' page of the 'Collateral Chain' application. The page has a light blue background with a subtle wave pattern. At the top left is the text 'Collateral Chain', and at the top right are links for 'Login' and 'Register'. The main heading is 'Register'. Below it are several input fields: 'Name' with a dropdown menu showing 'Broker', 'Username' with the text 'broker', 'Email' with the text 'broker@gmail.com', 'UserType' with a dropdown menu showing 'Broker', 'Password' with masked characters '*****', and 'Confirm Password' with masked characters '*****'. A 'Submit' button is located below the 'Confirm Password' field. At the bottom left, there is a copyright notice: '© 2017 BP SWE Interns & Co.'.

3) Success message after account has been created

Collateral Chain [Login](#) [Register](#)

You are registered and can now login

Account Login

Username

Password

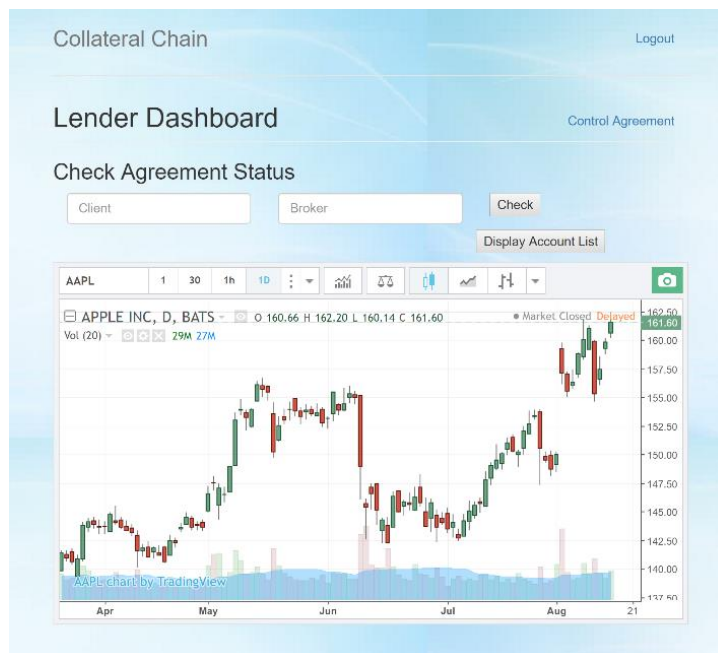
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4) You can login with the same credentials.

5) THE LENDER PAGE

Will give you the option to check the status of the control agreement by putting in the client and brokers name.

Also gives you the chance to sign the control agreement from the lender side.



6) The control agreement which all 3 parties have to sign-

Instructions from Lender as provided below. You are also hereby authorized and directed to send a photocopy of any and all statements, reports and other information relating to the Collateral directly to Lender at the above address. This pledge will remain in full force and effect until Lender notifies you in writing to the contrary. Please acknowledge receipt of this notice by signing and returning the attached control agreement and acknowledgment to Lender. This notice is dated Month X, Y, 201Z.

ACCOUNT OWNER AUTHORIZATION:

XYZ
By: _____ (Seal)
XYZ

CONTROL AGREEMENT AND ACKNOWLEDGMENT OF PLEDGE AND SECURITY INTEREST

We acknowledge receipt on _____, 12345 of the above notice of Lender's security interest in the above-described Collateral, and we will mark our records, by book-entry or otherwise, to indicate the pledge of, and Lender's security interest in, the Collateral. In the ordinary course of our business, we regularly maintain accounts in the names of our customers, reflecting transactions in and Ownership of securities and interests therein. To the best of our knowledge, and except for Lender's security interest or as noted below, and as of the date hereof (a) the Collateral is identified on our books and records, by book-entry or otherwise, as being owned by XYZ; (b) we have identified on our books and records the Collateral as being pledged to Boston Private Bank & Trust Company; (c) we have not confirmed any interest in the Collateral to any persons other than to the Owner(s) and Lender;

Insert Client Name
Signature

Insert Broker Partner
Signature

Signing this constitutes as an physical signature
Signature

Accept Agreement

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(Make sure that the names are common when signing across all 3 parties)

7) THE BROKER PAGE:

This page allows the broker to add an account for the client with all the details of his wealth account.

Collateral Chain [Logout](#)

Dashboard [Issue Agreement](#)

Insert Collateral File
[Choose File](#) No file chosen
[Upload](#)

Add Account

First Name	Last Name	
CASH	Value	Margin %
EQUITY	Value	Margin %
REAL ESTATE	Value	Margin %
BUSINESS ASSETS	Value	Margin %
LOAN VALUE	Value	
LENDER	Value	

[Submit](#)

[Display Account List](#)

Once he adds an account, the system will automatically find out the total collateral amount.

Choose File

No file chosen

Upload

Add Account

First Name

Last Name

CASH

Value

Margin %

EQUITY

Value

Margin %

REAL ESTATE

Value

Margin %

BUSINESS ASSETS

Value

Margin %

LOAN VALUE

Value

LENDER

Value

Submit

Display Account List

Firstname	Lastname	Lender	Loan Value	Total Collateral
Client	ABC	Boston Private	100000	183000

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And if the broker wants to upload an excel sheet with all the stock information as shown in the test excel sheet, then the system will automatically calculate the amount and check if the user is underwater or no. Depending upon the situation, the system will give an alert. It can also display the information of different clients once you press DISPLAY ACCOUNT LIST.

On the client page, the client will be able to see his information and keep a track of his assets as well as see the total collateral value.