1. Open the batch file named “Blockchain”.

This will open a composer-playground demo website, our web application, and our GitHub repository.

\*\*\* If you would like to follow our tutorial, please read on. If you would like to explore yourself, opening the batch file is all you need. Have fun exploring !!\*\*\*

\*\* If you want to use our web app (<https://is371-hyperledger-2.cs.calvin.edu:8080/login>) skip to step 5 \*\*

\*\* If you want to use demo website (<https://composer-playground.mybluemix.net/login>) go to step 2 \*\*

1. On the home page, click “Deploy a new business network”.
2. Select “Drop here to upload or browse”.
3. Select the BNA file called account-network.bna giving in the Blockchain zip folder and click “Deploy”.
4. Click “Connect now” on the admin@account-network card.
5. Click on “Test” to take you to the composer testing page.
6. Select SampleParticipant and then “Create New Participant” to create a new Participant.
7. Input the desired participantID, firstName, lastName and userTyper. For this test we will use: 123, Josh, Wilson, Admin for the respective inputs but feel free to user your own inputs.
8. After, click “Create New” to add the new Participant.
9. On Assets, select “SampleAsset” then “Create New Asset”.
10. Input desired assetId, assetType, assetName, assetDescription, owner and assetBalance. For this test we will use: 1001 for the Id, Asset for assetType, Cash for assetName and assetDescription, 123 for the SampleParticipant number in owner and 0 for the respective inputs.

\*\* owner input usually look like “resource:org.example.basic.SampleParticipant#3092”. To save typing time, only edit the number after the # and not the whole string\*\*

1. Then Select “Create New”.
2. Create another Asset and for this test use 2001, Asset, Inventory, Inventory, 123 and 0.

\*\* If the SampleParticipant Id you choose at step 8 is different from 123, use that instead throughout this test\*\*

1. Create one last Asset using 9001, Equity, Owner’s Capital, Owner’s Capital, 123 and 0 for the test.
2. For the Transaction test, select “Submit Transaction”.
3. For the test, on Transaction Type, Select “SampleTransaction2” for a transaction with two main entries.
4. Change SampleParticipant Id number to 123, input desired description, on asset1 input SampleAsset Id number to 1001 for cash with debit of $200.
5. In asset2, change SampleAsset Id number to 9001 for Owner’s Capital with a credit of $200.
6. Click Submit to execute your Transaction.
7. On the “SampleAsset” page, both Cash and Owner’s Capital should have a Balance of 200.

\*\*\* These instructions will test and show the Transaction of 3 Sample Assets \*\*\*

1. For the second Transaction test, select “Submit Transaction”.
2. For the test, on Transaction Type, Select “SampleTransaction3”.
3. Change SampleParticipant ID to 123, input desired description, on asset1 input SampleAsset Id number to 1001 for cash with debit of $1000.
4. In asset2, change SampleAsset Id number to 2001 for Inventory with debit of $1000.
5. In asset3, change SampleAsset Id number to 9001 for Owner’s Capital with credit of $2000.
6. Click Submit to execute your Transaction.
7. On the “SampleAsset” page, Cash should have a balance of 1200, Inventory 1000 and Owner’s Capital a value of 2200.
8. All the block history can be viewed the “All Transactions pages”.