

# Blockchain Assignment

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**(5 marks)**

ABC Corp, an asset management company, has shortlisted your tech start-up as one of the vendors to build a blockchain-based software project for them. For the final vendor selection, they need you to perform a PoC (proof of concept) and submit it to them.

For this, you are required to do the following:

1. Using the asset-transfer-basic sample in Hyperledger fabric ([https://hyperledger-fabric.readthedocs.io/en/release-](https://hyperledger-fabric.readthedocs.io/en/release-2.2/write_first_app.html)

[2.2/write\\_first\\_app.html](https://hyperledger-fabric.readthedocs.io/en/release-2.2/write_first_app.html)):

a) In the chaincode, add 2 new attributes to the asset called “QuotedValue” and “MarketValue”. Update all functions to include these new attributes. Write a new function to return assets with  $\text{MarketValue} \geq \text{QuotedValue}$ .

b) Write a test call to this new function in the app.js

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