COMP7407 SECURITIES TRANSACTION BANKING

2020/21 – ASSIGNMENT:
INVESTMENT PRODUCTS, PROCESSING AND
THE BLOCK CHAIN

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Assignment Questions - Please answer all questions

Familiarize yourself with the concept of the Blockchain and how it can apply to servicing of Securities.

Use the materials given so far on Moodle and read other materials (self-researched) if you need to solidify your understanding of the principles behind processing of securities and blockchain / Distributed Ledger Technology (DLT).

Task:

Imagine that you are the product owner for Securities Services in a major multinational transaction bank which offers proper securities backoffice processing for their client banks. Those client banks now start to request the inclusion of (DLT)-based services. This will lead to systems that need to combine current and DLT-based functionality.

Please answer the following questions in this context:

- (50%) Compare and Contrast the (a) current Delivery Versus Payment (DVP) securities settlement (based on T+2) and basic corporate action processes (Dividends, Coupon payments) with the opportunities promised by (b) a Blockchain-based settlement and corporate action process. To answer these questions please
 - first briefly describe the working principle and involved parties for both settlement/Corporate action options(a) and (b) separately and then
 - explain similarities and differences between the two options

Please make sure you consider the securities movement as well as the payment movement in your answers.

- 2) (30%) Please propose a functional description of the modules required in an architecture that offers for a consumer (=customer of a client bank) a joint view on their assets (i.e. demonstrate how to obtain a joint account statement for the consumer holdings).
- (20%) What are the regulatory considerations that Banks and Markets need to solve when attempting to adopt a Blockchain solution for settlement of securities and payment? What are the additional complexities arising from your solution in Question 2?

Assignment Some good ideas

- Create a nice piece of text
 - should look nice when printed give it a title, page numbers, subheadings
 - should be complete with Name and Student ID on the pages
 - should have an academic tone to it (= no colloquial terms, use some "official" language)
- Consult students, books, internet
 - do some reading, to get more context
 - do your 'own reading' do not rely on given texts
- Think about what you want to write
 - give it a structure
 - explain the structure
 - make your statements / write your answers
 - strip away everything that does not help to support your main idea
 - Some words attributed to Blaise Pascal:
 - "I would have written you a shorter letter, but I did not have the time"

nicest look and feel (totally subjective!!):



Assignment Some bad ideas

- Don't write all you know about a subject
 - being selective in your answer shows that you know what is important
 - writing all kind of facts unrelated to the question shows that you have difficulties in separating the important from the unimportant facts
- Beware of Wikipedia, Investopedia, ...
 - For our purposes, Wikipedia can be a valid source of initial/general knowledge
 - For later uses (your thesis, academic texts), Wikipedia is an invalid source

DO NOT COPY TEXT FROM ANYWHERE !!!!

- verbose "borrowings" must be labeled as such (nothing wrong with referring to or citing small portions of other writers' text, that is part of academic writing)
- However, copying of text without giving the source of it is PLAGIARISM !!
- copying 7 pages of text from internet is not a valid answer to a University assignment (don't laugh ... it happened ... here at HKU....)

- which cash now the investor receives/anticipates, and when:
- on which factors the overall value of the investment depends?

Bond is an instrument of indebtedness of the bond issuer to the holders. It is issued by public authorities, credit institutions, companies and supranational institutions in the primary markets. These instruments' purpose is to borrow funds. The issuer will repay the principle and vield to investors on the maturity date So the term of investment is

Wonderfully written:

 Bond is an instrument of indebtedness of the bond issuer to the holders. It is issued by public authorities, credit institutions, companies and supranational institutions in the primary markets.

Some bad ideas - Plagiarism

Copy / Paste into Google:

Assignment



- Wonderfully written?
 - Bond is an instrument of indebtedness of the bond issuer to the holders. It is issued
 by public authorities, credit institutions, companies and supranational institutions in
 the primary markets.

Assignment Some bad ideas - Plagiarism

Visit Wikipedia page:

Bond (finance)

From Wikipedia, the free encyclopedia

This article is about the financial instrument. For other uses, see Bond (disambiguation).

In finance, a bond is an instrument of indebtedness of the bond issuer to the holders. It is a debt security, under which the issuer ewes the holders a debt and, depending on the terms of the bong

- Wonderfully written ???:
 - Bond is an instrument of indebtedness of the bond issuer to the by public authorities, credit institutions, companies and suprana the primary markets.

Assignment Some bad ideas - Plagiarism

- Handling for this assignment:
 - when found within a sub-answer, then the assignment is marked '0'.
 - when found multiple times within a question, then the assignment is marked '0'.
 - when found in multiple questions, then the assignment is marked '0'.

...you get the pattern ...

thus: 40% of your course marks are at risk.

Assignment How to cite properly

What to cite:

- direct quotations
- Ideas that are not your own
- facts taken from other texts when they are not 'common sense' or 'common knowledge'
- all direct 'paraphrasings' of other texts

What to ask yourself

- have I marked all direct usage of other texts as such?
- can the reader distinguish between my own writing and the ideas and texts of others?

Assignment How to cite properly

How to cite:

Womack and Jones have analyzed companies, production processes and have substantial quently developed the ideas they termed Lean Thinking (Womack, Jones & Roos 1990). Underlying theme is to focus on value creation and aliminate unnecessary work, the

Womack & Jones (2003) summarize the 5 principles behind lean thinking as the so-called waste or muda. following:

Specify Value Mostly, value is assigned to a product, product line or service by management and financial officers through the revenue stream this product or service

Taiichi Ohno, the creator of the Toyota production system, attributed to it that it absolutely eliminates waste. Reason behind this is in most simplistic terms summarized by his statement "All we are doing is looking at the timeline from the moment a customer gives us an order to the point when we collect the cash. And we are reducing that timeline by removing the nonvalue-added wastes" (Ohno 1988). This is clear expression of the intention to combine customer pull and reduced production times in order to match the objectives of both parties, customer and corporations.

The principles above are well researched and valid, however they are rather mechanistic in their approach and leave out one important senect. human nature and senecially

Assignment How to cite properly

Have a list of references at the end of your text:

Bibliography

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