CCST 9080 Semester 2, 2024-25
Tutorial 3 (24/25 Feb, 2025)

1. Grouping (5 min)

Divide yourselves into smaller group (about 3 per group)

2. Discussion on applications and use cases using blockchain (20 min)

(a) TA will give each sub-group a specific application
(b) Group members try to discuss among themselves why the given application should be implemented using blockchain or why this is not a good application to be implemented using blockchain
(c) Select a representative to present the findings

3. Presentation by each group (20 min)
Each group will present their findings based on the application given by the TA

4. TA comments on the findings (5 min)

Note that TA will observe how your group conducts the discussion and give individual mark to each student.

These questions are related to guest lecture given by Handy Bong. Feel free to add more questions.

Please well-prepare before you go to the tutorials, probably you need to write down different applications (and some details) for each sub-group and pass them to each group during the tutorial. And you also need to think about some model answers for it according to my lecture slides. Thank you very much.

*** Remember to mark down individual marks for students in the Excel file ***

1. What are the uses of blockchain credentials?
2. What is L2-blockchain?
3. How exactly blockcerts work?
4. What are the concerns (e.g. security/privacy) by putting our certificates in a blockchain system?
5. What are the advantages to have the certificates put in a blockchain system?
6. What is PoS?
7. What a validator will do in the Ethereum system?
8. Explain what is a multi-signature wallet?
9. Any interesting applications for multi-signature wallets?
10. Why we need gas fees in an Ethereum system?
11. Explain what is "interoperability"?