COMP6452 Software Architecture for Blockchain Applications
Week 8 Tutorial

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Hands-on sub-session

Project 2 Troubleshooting

This sub-session will be about project 2 troubleshooting.

Theory sub-session

This theory sub-session will get you prepared for the final exam.
An Binh Tran, Xiwei Xu, Ingo Weber, Mark Staples, and Paul Rimba. "Regerator: a Registry Generator for Blockchain." In: *CAiSE-Forum-DC*. 2017, pp. 81–88. URL: http://ceur-ws.org/Vol-1848/CAiSE2017_Forum_Paper11.pdf

A few questions you may need to think about when reading a paper in the field of software architecture:

- What is the problem that the research aims to solve?

  building customized registries on blockchain

- Why this problem is significant and what are the causes of the problem?

  blockchain is relatively a new technology; current solutions are naive

- What is the architecture design of the solution?

  off-chain part: a smart contract generator; a generator for web-based user interfaces to interact with smart contracts; on-chain part: a registry of registries; multiple registries... more details need to be included

- Compared with previous works, what is the novelty of this research?

  model driven approach; customizable; automatically generated; RESTful interfaces

- How much of the problem is solved by the research?

  major

- Are there any design trade-off made? Any new problem introduced by the solution?

  cost related to blockchain

- Are there any improvements can be done on this research?

  access control; registry inter-relationships