

# Architecture document

# Use case description

- Similar to design thinking presentation
- 1 paragraph of explaining:
  - use case
  - Pain points of existing system

# Architecture

- List down the roles (participant types)
- List down technology stack for various components:
  - User interface (eg. React, angular, etc)
  - Web backend (eg. ExpressJS, flask, J2EE, etc)
  - [Off-chain database] (optional, eg. MySQL, postgres )
- List down smart contracts that will be deployed
- Explain what information is stored in contract vs off-chain database

# Architecture

- Explain what information is stored in contract vs off-chain database
- 1-2 paragraphs to summarize keypoints of architectural and design choices

# Functional & access control

- Table of functions in smart contract:
  - Function name
  - Purpose of the function
  - Belonging to which contract
  - Which role has access
  - read/write access

# Privacy

- Explain how privacy concerns will/can be addressed by the system

# Conclusion

- Explain how the requirements and pain points are fulfilled through the design choices in the architecture.
- Try to address the feedback given during the design-thinking presentation.