

CS5363 Blockchain Technologies and Applications: Hw8

Decentralized App (DApp)

1. Task

- Basic Requirement [70%]
 - Implement some simplified contracts for your final project
 - ◆ Your DApp should demonstrate partial functions for your final project.
Please propose the functions yourself, and explain in your report.
 - Integrate your contracts in a web-based DApp, so users can interact with your DApp in browser interfaces
 - ◆ <Hint> Ethereum's Web3 API is useful
 - ◆ To simplify your task, we specify web page as your DApp's user interface. However, you can design different kind of user interfaces, just mention it in your Report & Readme file.
 - Test your DApp on the localhost before release it
- Advanced Requirement [10%]
 - Deploy your contracts on the Ropsten Testnet
 - Deploy your DApp on a public URL

2. Submission

- Compressed in zip file:
 - Your Program [80%]
 - ◆ including your contract codes & your testing codes
 - ◆ including some front-end codes which can interact with your contracts
 - ◆ including a Readme file (introduce your development environment, explain how to run your program, how to test your program, how to release your program)
 - Report.pdf [20%]
 - ◆ please refer to Report (template).docx