Principles of Decentralized Ledgers
Coursework
Achievement Network Exercise Creation

Dr. Arthur Gervais

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1 Introduction

In this coursework, you are expected to become the lecturer! Based on your knowledge of smart contract programming and your recent first exposure to these, you are expected to write a simple but educationally interesting exercise. You'll be using the Achievement.Network as base platform to write your exercise, such that other students can then take and learn through your exercise.

2 Schedule and Guidelines

The coursework lasts for 1 week.

- Pick a topic that you believe is interesting to solve within a smart contract. This topic can be simple, but illustrative.

- The project is assessed individually.

- Implement the simple application, and write a short tutorial (compare to the other exercises on Achievement.Network)

- Write a short description and upload the exercise as git pull request.

Under `https://achievement.network/HowTo/createExercises.html` you can find the details required to know how to create an exercise.

3 Grading

The grading will be mostly influenced by

- how well is the exercise described

- how generic can be the solution

- how much does a student learn when solving the exercise

- how helpful, but non-revealing is the hint given to the students

No report is required, a simple Github pull request towards the repository with the exercise content is sufficient.

4   MetaMask

To configure MetaMask correctly for Achievement Network, please keep in mind the following.

- Under Network, add Custom RPC.

- New RPC url: `https://net.achievement.network/`

- ChainID: '806' (mandatory, not optional)

5   Conclusion

This exercise should expose you to the art of writing an exercise to explain to a colleague how smart contracts work.