

Project 2: Oral Presentation

Chaoyun Li

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1 The Task

- Each of you needs to join a group of 2 or 3 students (no more no less). Groups need to be formed before October 28th.
- Together with your teammates, you make some slides about a topic (see below). Each student needs to present 5 minutes. For instance, the whole presentation should be around 15 minutes for a team of three. We will also ask you some questions based on the presentation.
- Slides should be in English, but the presentation can be in French. If you present in English, you can get 25% extra points, i.e., 1 extra point for the final mark.
- We will do the presentation on **November 25th** in the morning session from 10:40 to 13:00.

2 Topics and Requirements

Choose one topic from the following list. **Each topic can be picked by at most 4 groups. So first come, first serve.**

- Blockchain
- Multiple-Factor Authentication
- Password Hashing
- Secure Multi-party Computation

For each topic X, the presentation should contain the following details.

- What is X?
- Which problems X can solve in practice? Give at least one real-world application.

- Which cryptographic tools are used in X? How X solve security issues with the cryptographic tools?
- Anything interesting you would like to share;)