

Course Project Description

EECE 571G

Blockchain Software Engineering

The University of British Columbia

I. Introduction

The course project of EECE571G is to let you try your best to build a decentralized application (DApp). As this is graduate course, students are expected to form a software development team to do this project.

II. Requirement

a. Team Building

- i. The project is a team-based project (i.e. group project). We have 3 ~ 5 students in each team. A team should have at least 3 students.
- ii. Please print the team form given you in the appendix of this document out and the members of each team need to fill the form and give their signatures properly. The team should submit the form in the midterm week.
- iii. Certainly, every student can join at most one group.

b. Contents

- i. Think about a simple application to develop with the blockchain technology.
- ii. Setup the development environment
The team needs to setup the Truffle + React + Web3js development environments.
- iii. Each group should create a project on GitHub and put your project on the GitHub. In the end of the term, please send me the link of your project repository on GitHub.

- iv. Your project should be runnable and functional.
- v. In your Assignment 2 (which is group based), please submit the follows:
 - 1. The whitepaper of your project (i.e., a document describes the application).
 - 2. The wireframe.
 - 3. The smart contract code.
 - 4. The test code for your smart contract.
- vi. Project demo and final report submission are needed in the end.

III. Evaluation

a. Presentation

In the very last week, we have a presentation course. The presentation takes 70% of your project evaluation.

b. Report

The report should be at least 20 pages of main contents in Letter paper, Font Size = 12, 1.5 times line spacing, with Normal margin in MS Word (2.54 cm for all sides). Pictures (like screenshots) are encouraged in the report, but the number of pictures cannot exceed 15 and the size of picture should meet the following requirements (Height < 8cm and Width < 14cm).

Violation with any of the above rules may result in the deduction of your project marks.

c. Fairness

Each team should fill in a Peer-to-Peer evaluation form for fairness purposes.

Each team member will receive the inner-team evaluation for his/her contributions of the course project in a percentage. That is, the sum of all members' percentage marks should NOT exceed 100%, and ALL team member should sign clearly to show that they have reached an agreement.

If the sum of percentages over all team members exceeds 100% OR any student's signature is missing, the form is INVALID. The form should be submitted together with the course project report on the project presentation day.

IV. Appendix (Two forms in next two pages):

Course Project Team Form

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Team Name: _____

Index	Student No.	First Name (Printed)	Last Name (Printed)
①			
②			
③			
④			
⑤			

Index	Signature	Date
①		
②		
③		
④		
⑤		

Course Project Peer-to-Peer Evaluation Form

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Team Name: _____

Index	Student No.	First Name (Printed)	Last Name (Printed)
①			
②			
③			
④			
⑤			

Index	Percentage	Signature	Date
①			
②			
③			
④			
⑤			