

Assignment 2: Smart Contract Application

You are to develop a novel smart contract application on the Ethereum platform using Solidity as a group. The application to be developed will be suggested by you. However, the specific application still need to be approved.

The application need only be developed in **Solidity**, the full DApp is not required. This means that the web interface using web3.js and html is not required.

The assignment is divided into 2 phases. The first phase is to provide a proposal for the smart contract application together with a project plan for group members. The proposal have to be approved first before you can proceed.

The second phase is to prepare the presentation and report after you have completed application. As usual for the due dates please check Moodle.

Phase 1 Requirements

1. A short proposal for you smart contract application – one or two paragraph will do.
2. A project schedule and plan
3. Distribution of work for team members

Submission should not exceed 2 pages. The proposal need to be approved before proceeding to the next phase. The proposal should preferably be an innovative but feasible application that can be developed within the time frame given.

Phase 1 Marking Scheme
Submission and Approval: 100%
Non-submission: 0%
Not approved: 0%

Due date: Check Moodle

Phase 2 Requirements

Plagiarised code will receive 0% marks for the entire assignment. Report should include: Introduction, Description, Implementation, Test Results, Discussion, Conclusion and References. It should also include a discussion of feasibility and real work application.

Presentation Marking scheme	Report Marking scheme
Effort and Preparation: 30 Demo: 30 Presentation Skills and Clarity: 20 Review assessment: 20	Novelty of Application: 30 Writing clarity and Organization: 20 Coding complexity: 20 Conclusion and Discussion: 20 Evidence of Teamwork: 10

Due Date: Check Moodle