

DTB-Assignment 2

Supply-Chain Management

For information about the supply chain requirements expected to be satisfied in this assignment, kindly refer to the previous assignment.

1. Frontend

The task for this assignment is to create a frontend platform, accessible through a web-browser, for the Supply-chain management which was created using smart-contract on Ethereum blockchain. You might need the following resources/tools to realize this task.

- Metamask (for in browser wallet-management)
- web3.js package for calling smart-contract functions

Note that the goals and requirements from the system are the same as in assignment 1. In this assignment, you have to build a frontend solution for the contract developed previously.

2. Evaluation metrics:

Goals 1 : Secrecy of Bidding	15%
Goal 2,3 : Optimal Supply, Validity of product	15%
Front-end (functionality)	25%
Front-end (UX - elegant and easy to use)	10%
Test cases (described in markdown/pdf)	10%
Coding style & comments	5%
Documentation & Explanation	10%
Viva/Evals	10%
[BONUS] Additional features	5%

3. Test Cases and Documentation

1. There should be at least 3 test cases with three separate settings (different values of supply limits and bids) to demonstrate all - Goal 1, Goal 2 and Goal 3 are achieved in each setting.
2. Documentation should include details of about frontend and backend features and how changes are incorporated in both frontend and backend
3. Commenting should follow [doxygen comments](#).

4. Submission Format

Submission format: TeamName.zip (no spaces, convert space to '-'). Wrong format of submission will lead to penalty.