APS 1050 Project: Book Store - Instruction for Setup

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Version Info

Name	Version
Node.js	12.13.0
lite-server	2.4.0
Solidity	0.5.16 (solc-js)
web3	0.19.0
Truffle	5.1.10
Ganache	2.7.1

Front-end framework: JQuery.

System: Windows 10 (x64)

Setup Environment

1. Install Node.Js

https://nodejs.org/en/download/

2. Install Truffle

```
npm uninstall -g truffle
npm install -g truffle@v5.1.10
```

3. Install Liteserver

```
npm install -g lite-server
```

4. Install Ganache

http://truffleframework.com/ganache

Open Ganache, new workspace: bookstore, then ADD PROJECT: navigate and select `truffle-config.js` in the project directory.

Save workspace.

5. Install Metamask

https://metamask.io/download.html

Open the Metamask tab in your browser, click get started and "No, I already have a seed phrase".

Click import using account seed phrase.

Copy the MNEMONIC from Ganache and paste it into the text box under: "Enter your secret twelve word phrase here to restore your vault. Seed phrase".

Confirm a password, then import.

Open "Main Ethereum Network" dropdown list, add a new network (Custom RPC).

Copy RPC server address from Ganache (`HTTP://127.0.0.1:7545` by default), and paste it to New RPC URL Chain ID field.

Save.

Then change your network to the newly added one if needed.

6. Change Recipient

Open `Contracts/BookStore.sol`, find `address payable constant recipient`, change the address to your recipient address.

Open a terminal in the project root directory. You can do this on Windows by typing "cmd" in the file explorer address bar then hit enter.

Run command:

```
truffle migrate --reset
```

7. Start Web Service

In the terminal, run command:

```
npm run dev
```

Then the service should be running at http://localhost:3000/, and you should be able to access it in your browser.