

User documentation

As prerequisites, you need install or apply all of the following stuff. You can go to [Installations](#) for more details.

1. Install Node.js

As we decided to use web3.js, we are going to use npm to install web3.js, which need Node.js. Here we give you guys three installation guides on *Ubuntu*, *Mac* and *Windows*.

- Install on Ubuntu

Install Node.js

```
sudo apt-get install nodejs
```

Install npm

```
sudo apt-get install npm
```

- Install on Mac

Install Node.js

```
brew install node
```

Install npm

```
brew install npm
```

- Install on Windows

you can find npm and Node.js download instructions from [here](#).

- Check installations

After finish the previous steps, you can check the version of node.js and npm by

```
$ node --version
```

```
v9.8.0
```

```
$ sudo npm --version
```

```
5.6.0
```

2. Install Truffle and web3.js

To install truffle, you need to type the following code in your terminal
`npm install -g truffle`

Then you can clone our code using

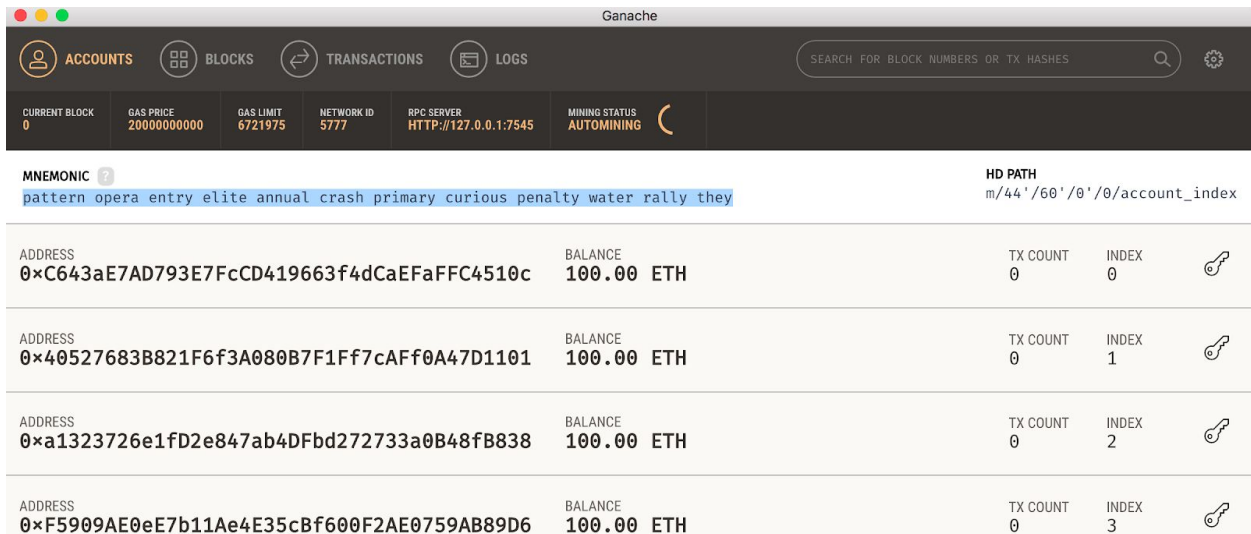
`git clone https://github.com/Snake-Squad/Decentralised-Shopping-Cart.git`

Once you cloned our code, you no not need to install web3.js because we already have it in our repo.

3. Download and Install Ganache

We used Ganache, a personal blockchain for Ethereum development you can use to deploy contracts, develop applications, and run tests. You can use the super link to download it.

Once you launch it, you will see



The screenshot shows the Ganache desktop application interface. At the top, there are tabs for ACCOUNTS, BLOCKS, TRANSACTIONS, and LOGS. Below these tabs, there is a search bar and a status bar displaying various metrics: CURRENT BLOCK (0), GAS PRICE (20000000000), GAS LIMIT (6721975), NETWORK ID (5777), RPC SERVER (HTTP://127.0.0.1:7545), and MINING STATUS (AUTOMINING). The main area displays a list of accounts with their addresses, balances, transaction counts, and indices. The mnemonic phrase is also visible at the top.

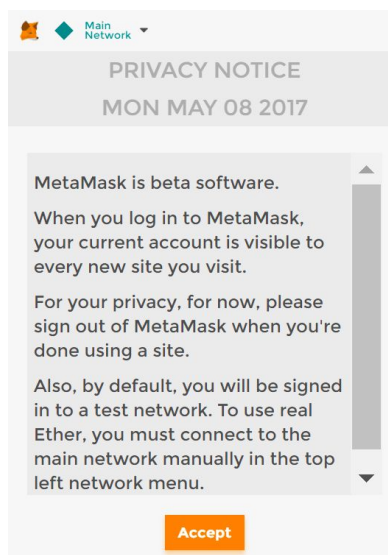
ACCOUNTS	BLOCKS	TRANSACTIONS	LOGS
CURRENT BLOCK: 0 GAS PRICE: 20000000000 GAS LIMIT: 6721975 NETWORK ID: 5777 RPC SERVER: HTTP://127.0.0.1:7545 MINING STATUS: AUTOMINING			
MNEMONIC: pattern opera entry elite annual crash primary curious penalty water rally they HD PATH: m/44'/60'/0'/0/account_index			
ADDRESS: 0xC643aE7AD793E7FcCD419663f4dCaEFaFFC4510c	BALANCE: 100.00 ETH	TX COUNT: 0	INDEX: 0
ADDRESS: 0x40527683B821F6f3A080B7F1Ff7cAFf0A47D1101	BALANCE: 100.00 ETH	TX COUNT: 0	INDEX: 1
ADDRESS: 0xa1323726e1fD2e847ab4DFbd272733a0B48fB838	BALANCE: 100.00 ETH	TX COUNT: 0	INDEX: 2
ADDRESS: 0xF5909AE0eE7b11Ae4E35cBf600F2AE0759AB89D6	BALANCE: 100.00 ETH	TX COUNT: 0	INDEX: 3

4. Install MetaMask

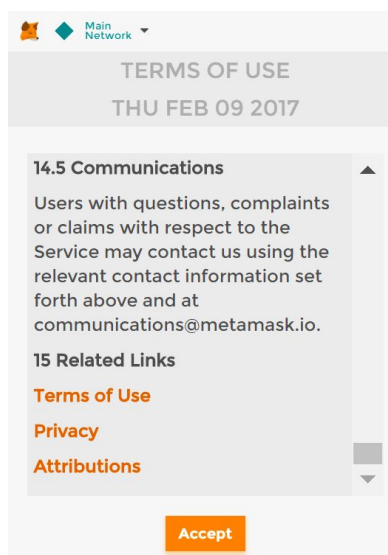
The easiest way to interact with our dapp in a browser is through [MetaMask](#), a browser extension for Chrome.

1. Install MetaMask in your browser.

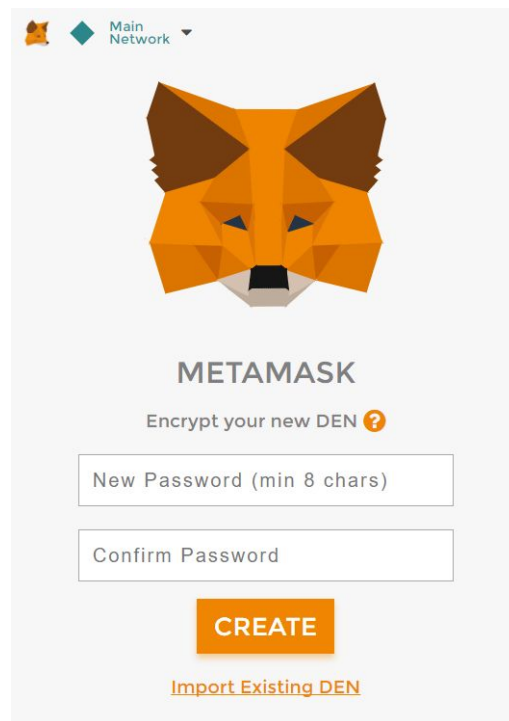
2. Once installed, you'll see the MetaMask fox icon next to your address bar. Click the icon and you'll see this screen; click **Accept** to accept the Privacy Notice.



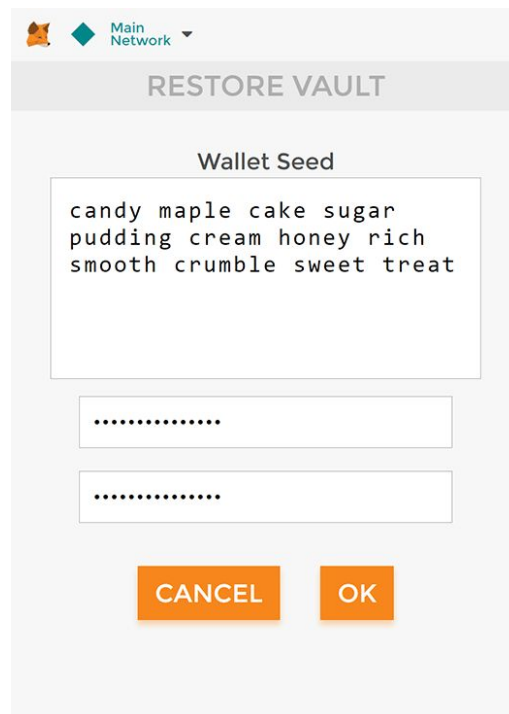
3. Then you'll see the Terms of Use. Read them, scrolling to the bottom, and then click **Accept** there too.



4. Now you'll see the initial MetaMask screen. Click **Import Existing DEN**.

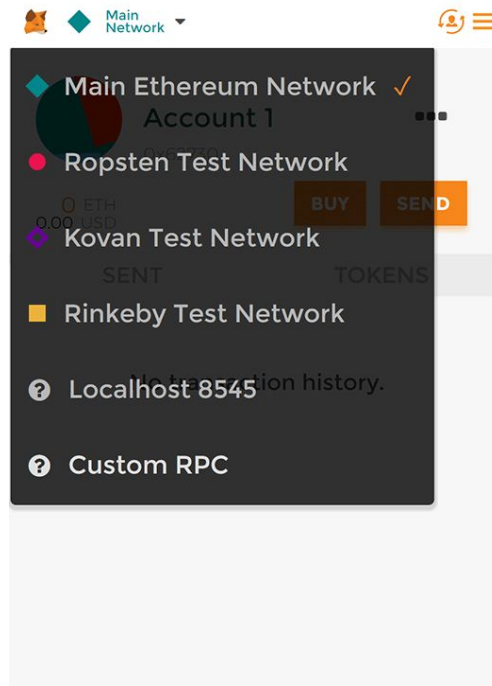


5. In the box marked **Wallet Seed**, enter the mnemonic that is displayed in Ganache.

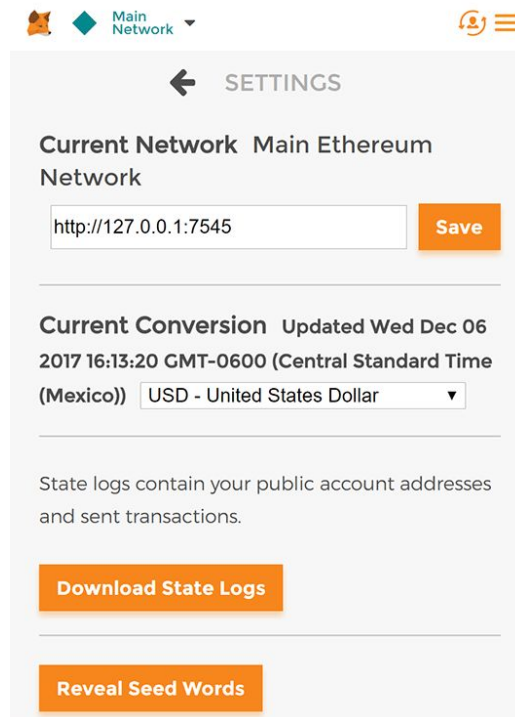


Enter a password below that and click **OK**.

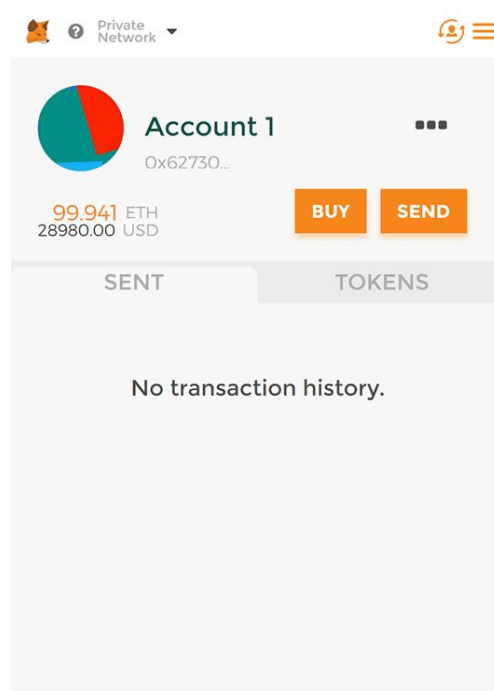
6 Now we need to connect MetaMask to the blockchain created by Ganache. Click the menu that shows "Main Network" and select **Custom RPC**.



7 In the box titled "New RPC URL" enter `http://127.0.0.1:7545` and click **Save**.



8 Click the left-pointing arrow next to "Settings" to close out of the page and return to the Accounts page.



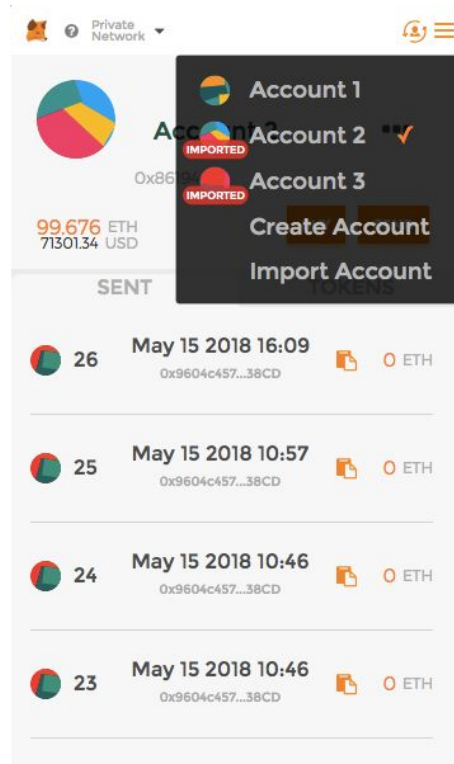
9 To import an account, you need to get the private key of an account in Ganache

ADDRESS	BALANCE	TX COUNT	INDEX	
0x86194845E18cDE5E198F36Ac64741d0C62c786EB	99.68 ETH	27	0	

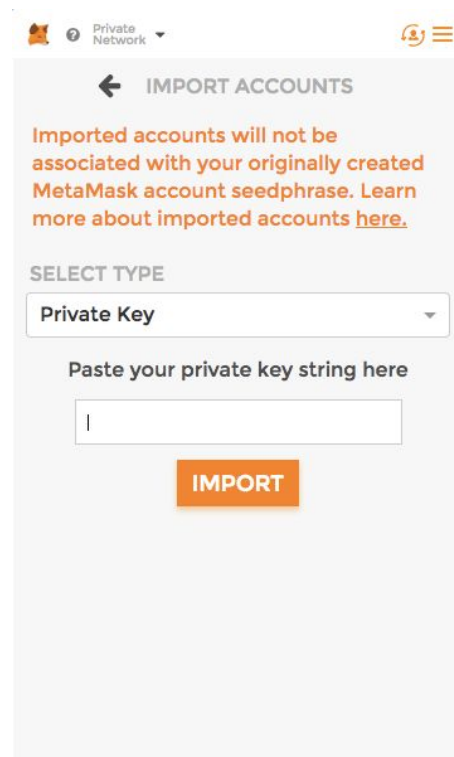
Click on the button that looks like a key and you will get



Copy the Private Key and click  in MetaMask and click on Import Account



Paste the Private key and click Import



5. Apply a Firebase Account

If you are a new user, you can use <https://firebase.google.com/> to apply a new account. However, if you cloned our code, you do not need to apply it.

6. Apply a Filestack Account

If you are a new user, you can use <https://www.filestack.com/> to apply a new account. However, if you cloned our code, you do not need to apply it.

7. Start Using the APP

```
cd to the PetShop folder in your terminal, and type  
npm run dev
```

You can combine with How to Run the Project if you cloned the code.

References

- [pet_shop](#)
- [Developing Ethereum Smart Contracts for Beginners](#)
- [Installation Details](#)
- [Project Contribution](#)