

## Preperation

1. Clone the repository from Github:

```
(base) android-41aadcd3add7c4:~ jacob$ git clone https://github.com/rnner900/BlockCertify.git
```

2. Go into the root directory:

```
[(base) android-41aadcd3add7c4:~ jacob$ cd blockcertify/
```

3. Install NodeJs modules:

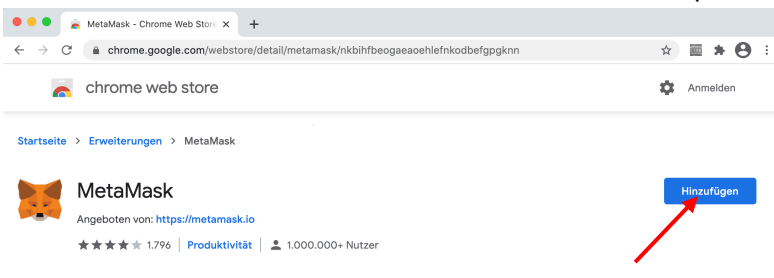
```
(base) android-41aadcd3add7c4:blockcertify jacob$ npm install
```

4. Install NodeJs developer modules:

```
(base) android-41aadcd3add7c4:blockcertify jacob$ npm install -g
```

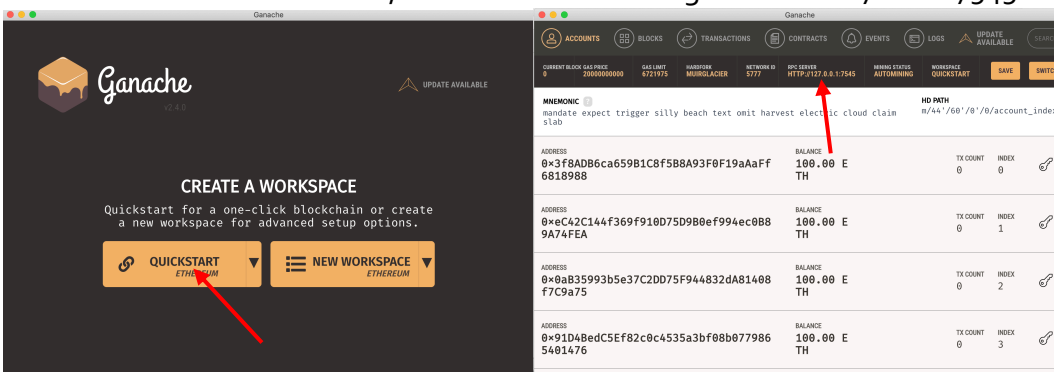
5. Install Ganache (working with 2.5.4) from <https://www.trufflesuite.com/ganache>

6. Install MetaMask Browser Extension for Chrome (or Firefox):



## Run Application

1. Start Ganache Blockchain, Make sure it is running on HTTP:127.0.0.1:7545:



2. Push the smart contract as a Transaction to the Blockchain:

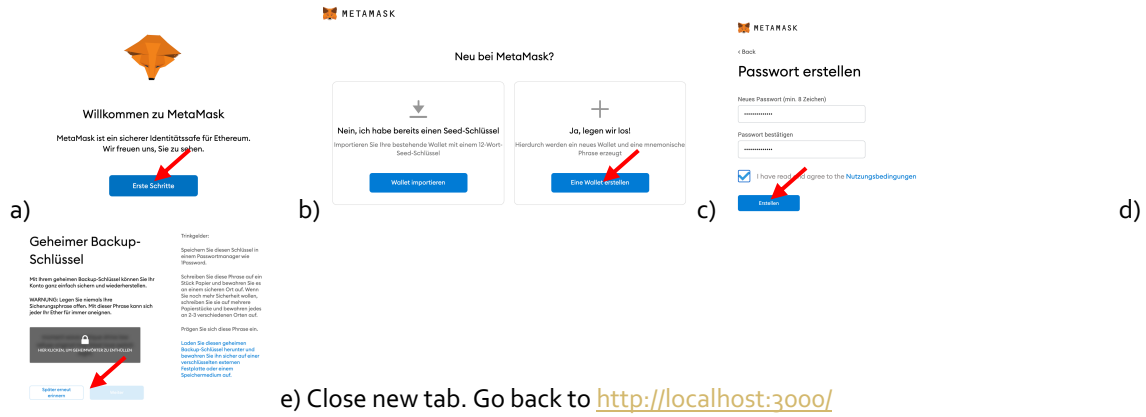
```
(base) android-41aadcd3add7c4:blockcertify jacob$ truffle migrate --reset
```

3. Run Web Application:

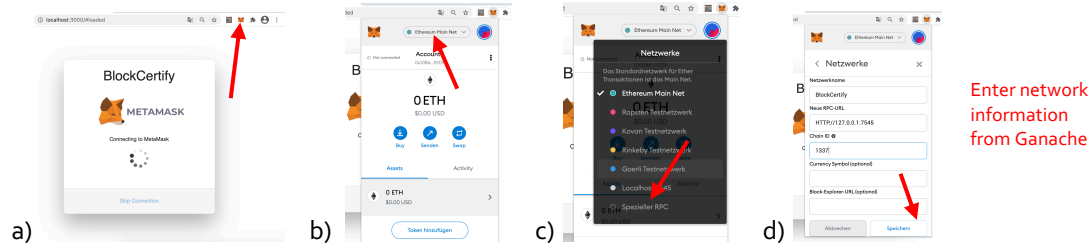
```
(base) android-41aadcd3add7c4:blockcertify jacob$ npm run dev
```

- ➔ Browser will automatically open <http://localhost:3000/>
- ➔ If your installed MetaMask in a different browser, close the current browser and open <http://localhost:3000/> in the different browser
- ➔ MetaMask will open automatically for setup...

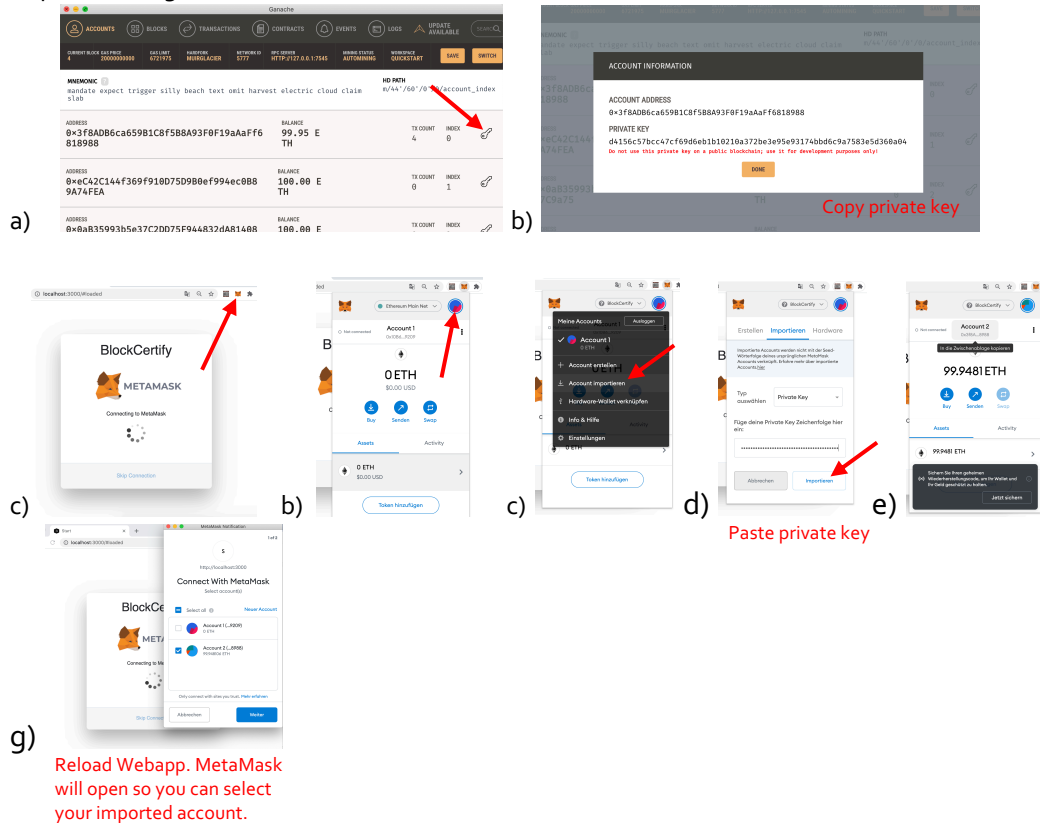
#### 4. Setup MetaMask for the first time:



#### 5. Setup MetaMask for Ganache Blockchain:



#### 6. Import existing Account into MetaMask:



#### 7. Run Application:

