8Lab Solutions - Project "Soldino"

User manual

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Description
User manual made by *8Labs Solutions* for the making of the project *Soldino*.

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Changelog

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1 Introduction

This document s the user manual of *Soldino*, a project by *8Lab Solutions* based on the Erhereum infrastructure. *Soldino* is a platform, managed by the Government, that allows users to buy good and services and allows business to manage the VATs related to those products. More precisely:

- citizens can:
  - buy goods and services;
- business can:
  - sell goods and services;
  - buy goods and services;
  - manage VAT;
- Government can:
  - mint Cubits;
  - distribute Cubits;
  - activate new users;
  - deactivate existing users;
  - reimburse business of their VAT credit;

1.1 Requiremets

To be able to use *Soldino* you must have the desktop version one of the following browsers:

- Google Chrome;
- Mozilla Firefox.

You also must install the MetaMask plugin in your browser. More information will follow

2 MetaMask

2.1 Installation

After entering *Soldino* check if you have MetaMask, a bridge between your browser and the Ethereum network, installed. If you don't, watch the guide and click the link under the video to then follow the instructions to download it. After the installation process is complete you will see MetaMask's icon on the top right of your browser.

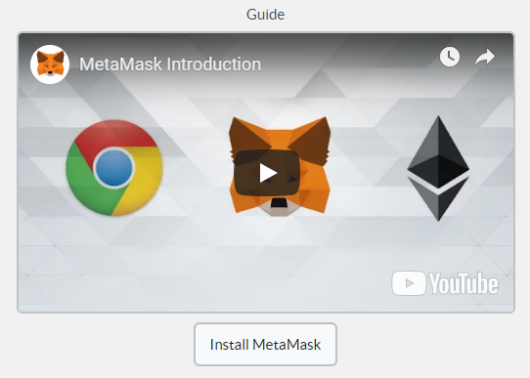

Figure 2.1.1: MetaMask tutorial

2.2 Configuration

To be able to use the site you also need a MetaMask account. click on MetaMask's icon on the top right of your browser, and set up your personal wallet.
You can either create a new one or import an existing one from the 12 words seed phrase.

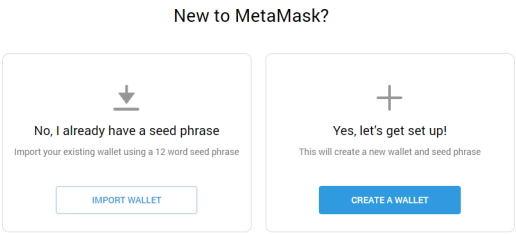

Figure 2.2.1: MetaMask setup

After setting up your account you'll be able to join and use *Soldino*.

Note that MetaMask has to be installed in your browser as long a you want to use the platform, removing it from your browser will render you unable to use *Soldino*.

2.3 Transactions

Every time you make a transaction MetaMask will show you its price and you'll be able to accept it or decline it.

Note that all prices shown are in Cubits, *Soldino*'s own special token. Also remember that 1 Cubit = 1 Euro

3 Citizens

3.1 Registration

If you want to create a personal account for *Soldino* visit the homepage and make sure that the slider in set on "Citizen".

Figure 3.1.1: Select "Citizen" from the slider

Then, insert your data in the form. After you have completed all the fields with your informations press the "Sign up" button. If an entry is not valid (i.e. the email address does not contain a valid domain) the system will let you know an you must correct that field to continue. If all the informations are correct you'll be redirected to a page congratulating you for your registration on the platform.

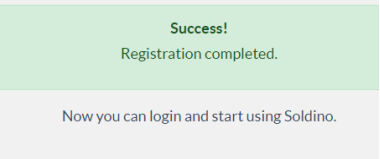

Figure 3.1.2: Registration completed message

3.1.1 Citizen already registered

If your address is already registered in our platform you will see an error page telling you that you cannot create a new account.

3.2 Login

If you already have a personal account press the "login" button on the top right of the page to be able to buy goods and services or check your orders. To be able to login you must be logged in your MetaMask account.

3.3 Searching

3.4 Buying

After you login you will be able to explore the products that *Soldino* has to offer you. If you something you want you just have to select the quantity and then press the "Add to cart" button to put it in your cart.

3.4.1 Cart

After you are done searching for what you need just press the cart icon to go to your cart. Here you will find every item you have selected in the respective quantity and above them you will see the total for your order. If you need to modify the quantity press the "+" or "-" buttons. When you want to proceed with the order press the "Checkout" button, you will be redirected to the checkout page

3.4.2 Checkout

4 Businesses

4.1 Registration

If you want to create a business account for *Soldino* visit the homepage and make sure that the slider in set on "Citizen".

Figure 4.1.1: Select "Business" from the slider

Then, insert your business's data in the form. After you have completed all the fields with your informations press the "Sign up" button. If an entry is not valid (i.e. the email address does not contain a valid domain) the system will let you know an you must correct that field to continue. If all the informations are correct you'll be redirected to a page congratulating you for your registration on the platform.

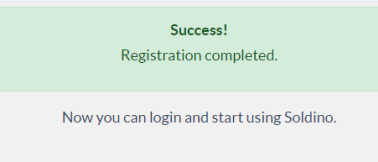

Figure 4.1.2: Registration completed message

4.1.1 Business is already registered

If address is already registered in our platform you will see an error page telling you that you cannot create a new account.

4.2 Login

If you already have a personal account press the "login" button on the top right of the page to be able to buy goods and services or check your orders.

4.3 Managing products

4.3.1 Selling a new product

4.3.2 Modifying a product

4.3.3 Removing a product

4.4 Searching

4.5 Buying

After you login you will be able to explore the products that *Soldino* has to offer you. If you something you want you just have to select the quantity and then press the "Add to cart" button

to put it in your cart.

4.5.1 Cart

After you are done searching for what you need just press the cart icon to go to your cart. Here you will find every item you have selected in the respective quantity and above them you will see the total for your order. If you need to modify the quantity press the "+" or "-" buttons. When you want to proceed with the order press the "Checkout" button, you will be redirected to the checkout page

4.5.2 Checkout

4.6 VAT management

If you are a business *Soldino* will manage the VATs for the products you buy and sell on the platform automatically.

4.6.1 Paying VAT

4.6.2 Deferring VAT

4.6.3 Checking past trimesters' VAT

5 Government

5.1 Registration

The government

5.2 Login

5.3 Cubit

5.3.1 Minting

The Government can mint Cubits, a special token for *Soldino*, that has the value of 1 Euro.

5.3.2 Distributing

Government can distribute Cubits previously minted amongst the users of the platform.

5.4 Reimbursing business

The government can reimburse business of their VAT credit. This can be done

5.5 Managing users

The Government can activate inactive accounts or deactivate active accounts. This can be done by visiting

5.5.1 Activating users

5.5.2 Deactivating users

6 Issues

We, members of *8Lab solutions*, did our best to build *Soldino* bug free and did extensive tests to squish all of them, but we cannot be sure that they are all gone.
If you encounter a bug we would appreciate if you to report it to us at our email address (8labsolution@gmail.com) or in the dedicated page at the project's repository
When reporting an issue please include:

- what type of user encountered it;
- a detailed sequence of steps that must be done to reproduce the error;
- if the error included Metamask and what type of error it shows;
- your browser's console log output.

7 Glossary