



S O L U T I O N S

8Lab Solutions - Project "Soldino"

Developer manual

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Approval	Samuele Giuliano Piazzetta
Drafting	Francesco Donè Sara Feltrin
Check	Paolo Pozzan
State	Approvato
Use	Esterno
Adressed to	Red Babel 8Lab Solutions Prof. Tullio Vardanega Prof. Riccardo Cardin

Description

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

8labsolutions@gmail.com

Changelog

Version	Date	Name	Role	Description
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Introduction

Manual contents

This document is the developer manual of the project *Soldino*, developed by the team *8Lab Solutions* for the proponent *Red Babel*.

Within the manual you can find:

- the technologies used for the development;
- the software tools used and suggested;
- the software architecture;
- the architectural and design pattern used;
- the functionalities provided by *Soldino*.

Purpose of the manual

The contents of the manual are intended to help the developers who decide to further develop or maintain *Soldino*. Everything described here can help the developer to fully and deeply understand the design, use and features of the application, so that it can be modified and improved with ease.

Many technologies, tools and languages are used to build the app: these are only briefly explained in their parts that cover the application domain. Additional references can be found in the "Reference" section.

Purpose of the product

The platform *Soldino* is a DApp accessible on a web browser as a client interface and the plugin Metamask as a virtual wallet.

The main functionality of *Soldino* is trading goods and services online. Since the platform's backend is coded on the Ethereum blockchain, it provides more security and transparency than the traditional e-commerce websites.

The platform is built to be managed by the government. The currency used in it is called Cubit, and it's a ERC20 compliant fork of Ether, minted and managed by the government itself.

Glossary

References

Normative

- none

Informative

- none

Setup

Requirements

Some packages are required to execute the software, listed below.

Table 2.1.1: Dipendenze per l'uso del software

Software	Versione
react-text-mask	5.4.4
commondir	1.0.1
history	4.7.2
prop-types	15.7.2
react	16.8.3
react-dom	16.8.3
react-number-format	4.0.6
react-redux	6.0.1
react-router	4.3.1
react-router-dom	4.3.1
react-router-redux	4.0.8
react-scripts	2.1.8
redux	4.0.1
redux-thunk	2.3.0
web3	1.0.0-beta.37

Other packages are required for the development, listed below.

Table 2.1.2: Dipendenze per lo sviluppo del software

Software	Versione
eslint	5.12.0
eslint-config-airbnb	17.1.0
eslint-loader	2.1.2
eslint-plugin-import	2.16.0
eslint-plugin-jsx-a11y	6.2.1
pre-commit	1.2.2
truffle-contract	4.0.6

Installing

Running

Deploying

Enviromnent configuration

Purpose

This chapter means to show how to properly configure your work environment, so that it's the same as the one we worked on.

This way you will hopefully encounter as little troubles as possible.

Tools

Plugins

Testing