



# Developer Manual

SWEight Group - Project Colletta

SWEightGroup@gmail.com

## Informazioni sul documento

<b>Version</b>	1.0.0
<b>Approver</b>	Damien Ciagola Francesco Corti Sebastiano Caccaro
<b>Writers</b>	Alberto Bacco Enrico Muraro Damien Ciagola
<b>Verifiers</b>	Francesco Corti Sebastiano Caccaro
<b>Use</b>	External
<b>Distribution</b>	MIVOQ Prof. Vardanega Tullio Prof. Cardin Riccardo SWEight Group

## Description

The document contains the technical details a developer needs to comprehend and expand the software product

---

## Change log

Version	Date	Description	Author	Role
0.1.0	2018-04-01	Backbone translated in English	Sebastiano Caccaro	<i>Writer</i>
0.0.1	2018-03-18	Document backbone	Enrico Muraro	<i>Writer</i>

## Contents

<b>1</b>	<b>Introduction</b>	<b>5</b>
1.1	Document goal	5
1.2	Product goal	5
1.3	Glossary	5
1.4	References	5
1.4.1	Normative references	5
1.4.2	Informative references	5
<b>2</b>	<b>Development Requirements</b>	<b>6</b>
2.1	System requirements	6
2.1.1	Windows	6
2.1.2	Ubuntu	6
2.1.3	MacOS	6
2.2	Configuration	6
2.3	Execution	6
<b>3</b>	<b>Workspace Configuration</b>	<b>7</b>
<b>4</b>	<b>FrontEnd</b>	<b>8</b>
4.1	Directory tree	8
<b>5</b>	<b>BackEnd</b>	<b>9</b>
	<b>Appendices</b>	<b>9</b>
<b>A</b>	<b>Glossary</b>	<b>10</b>



## List of Figures

1	Frontend directory tree . . . . .	8
---	-----------------------------------	---

## List of Tables

## 1 Introduction

### 1.1 Document goal

### 1.2 Product goal

### 1.3 Glossary

### 1.4 References

#### 1.4.1 Normative references

#### 1.4.2 Informative references

## 2 Development Requirements

### 2.1 System requirements

#### 2.1.1 Windows

- **CPU:** Intel X86 family;
- **RAM:** at least 2GB of RAM;
- **Disk's space:** at least 1GB;
- **Operating system:** Windows 7 or superior, 32-bit or 64-bit versions;
- **Java:** Java SE Development Kit 8;
- **Node.Js:** Node.js 10.15.1;

#### 2.1.2 Ubuntu

- **CPU:** Intel X86 family;
- **RAM:** at least 2GB of RAM;
- **Disk's space:** at least 1GB;
- **Java:** Openjdk 8;
- **Node.Js:** Node.js 10.15.1;

#### 2.1.3 MacOS

- **Mac Model:** all the models sold from 2011 onwards;
- **RAM:** at least 2GB of RAM;
- **Disk's space:** at least 1GB;
- **Operating system:** OS X 10.10 Yosemite.
- **Java:** Openjdk 8;
- **Node.Js:** Node.js 10.15.1;

### 2.2 Configuration

### 2.3 Execution



## 3 Workspace Configuration



## 4 FrontEnd

This section is intended to make the developer understand the working of the Colletta frontend, and to allow him or her to add functionalities to the software package. In order fully understand the contents below, the developer must have a certain degree of familiarity with React and Redux. If that's not the case, we strongly recommend the reader to at least acquire some basic knowledge on the topics.

### 4.1 Directory tree



Figure 1: Frontend directory tree

Each folder contains a specific set of files:

- **actions:** the modules in this folder are responsible for creating and dispatching the actions to the reducers;
- **assets:** static files like font and images;
- **constants:** data collections and constants used in various part of the code, i.e. the label used for the translation;
- **helpers:** standard js functions or classes which have some use in the code, i.e. the label translator;
- **reducers:** all the reducers responsible for the creation of a new state;
- **store:** a single file creating and giving access to the centralized state;
- **view:** classes rendering the information in the store. They are divided in *components* and *containers*.

## 5 BackEnd

## A Glossary