



Software Documentation Plan



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2.0

1 Introduction

This document describes the information that our documentation must contain. It will also describe the methods that will be used to generate documentation for the source code. Software documentation comes in two different forms. Documentation for the end user and documentation for developers. This Software documentation plan only handles the creation of developers documentation

2 Purpose

The purpose of the created documentation is for the reader to understand the code and be able to write additional functionalities relying and using the documented code without having to read the source code.

3 Documented information

3.1 Source File

Source file must contain certain information before any functionalities or code has been written. This information may be written after or before the required imports.

The required information is listed underneath

- Author(s)
- Date of creation
- Summary of the functionalities it contains

3.2 Source Code

As classes and objects are different from functions, an other set of information is required to be documented. Which information is to be documented can be found underneath in corresponding sections.

3.3 Classes / Objects

Each class / object should contain the following information.

- Authors(s)
- Date of creation
- Summary of the functionalities it contains
- Explanation of fields

3.4 Functions

Each function should contain the following information.

- Author(s)
- Date of creation
- Explanation of the parameters and their types
- Explanation of the return value and its type
- Exceptions

4 Method of documenting

As stated above, the to be documented information must be written in the source code. The documentation will be created by parsing this information from the source file. To be able to do this, this information must be written in a certain syntax.

4.1 Docstrings

We will be using docstring which are included in the clojure language. Docstrings allow us to create an annotation related to any given function at its declaration.

4.2 syntax

Each type of information should be written on its own line. This line should contain a prefix for what kind of information it contains. The prefix may be omitted for the general explanation of the function.

prefixes are:

- Author:
- Date:
- Parameter:
- Return value:
- Exception: