**Software Project Information File**

***libXosd Multi-monitor Support***

**Version 1**

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# REVISION HISTORY:

| ***Rev.*** | ***Date*** | ***Author*** | ***Comments*** |
| --- | --- | --- | --- |
| 1 | 4/18/2022 | Shane Reynolds, et al. | Initial Edit |
| 2 | 4/19/2022 | Shane Reynolds, et al. | Completed SPIF using information from previous documents |
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# PURPOSE

The Software Project Information File (SPIF) is used to determine the location of the Software Project Repository and other important artifacts.

Each software project must contain a Software Project Information File (SPIF). The SPIF must be located in the root directory of the Software Project Repository.

The contents of the SPIF should include:

* The location of the Software Project Repository.
* The name and location of the Software Design.
* The name and location of the Software System Test Plan.
* Instructions on how to build the software, and the names and locations of all tools needed to build the software, or the name of the file that has this information. If a reference to a file is made that has this information, then the Software Project Repository directory should contain this file.

# SCOPE

## Scope of Initial Release

The initial release will include the following:

* Extension of existing text display functionality to multiple displays
* Enhancements of code clarity
* Improvements on the current software design

## Scope of Subsequent Releases

Subsequent releases may contain additional utilities such as the following:

* Ability to display pixmaps in addition to existing ASCII library
* Ability to display text of multiple font types
* Bug/error fixes
* Optimization to line drawing to use the full screen width

# REFERENCES

* The Software Development Process, or the SDLC

# CODING STANDARD

We don't currently have a coding standard document, but our objective is to adhere to basic standards of programming known to most people, and particularly the conventions of C programming.

# SOFTWARE PROJECT REPOSITORY LOCATION

**Description**: Using Github

**Location**: https://github.com/Schlauf/libXosd

**Login:** Any of our personal logins will work

**Version Control Workflow File Name**: Source\_Code\_Control\_Workflow.docx

**Version Control Workflow File Location**:

# SOFTWARE DESIGN NAME and LOCATION

**Functional Requirements**

**File Name**: Software Design Document

**File Location**: Google Drive, cs49X\_seniorProject

**Specification**

**File Name**: libXosd Project Plan

**File Location**: Google Drive, cs49X\_seniorProject

# SOFTWARE SYSTEM TEST PLAN NAME and LOCATION

**Because the project is still in development stages, there has been no creation of test plans at this point in time.**

# SOFTWARE BUILD INSTRUCTIONS

**Required Build Tools**

We will need a linux machine and any additional software that comes with that to build this software.

**Build Instructions**

We will be extending the software already currently available by adding new features and making the program more accessible to use.

# PROGRAMMING THE DEVICE

**There are no devices that we will be programming the software too. It runs on any unix system via custom installation using gdk.**