

Background and Theory

State what the program does and provide background information (as needed) and descriptions of theory or equations used (if any).

Operational Description

Describe how the program behaves and/or how it should be used (i.e., operating instructions). For example:

This program demonstrates the use of check boxes. The message color changes in response to the selection. The message is black if normal, red if "Rush" is specified.

User Interface Description

Sketch of user interface with all controls labeled with their "tags."

List all UI components with their names and a brief description of their purpose and content. For example:

Static text (theMessage) saying "Full blood test."

Checkbox (rushIt) labeled "Rush."

Algorithms

List all callback (and possibly other) functions used in the program providing a clear and complete description of what they do and how they operate (in pseudocode, flowchart or prose form).

For example:

rushIt Check Box Callback

Determine state of check box (use get function with handle.rushIt for Value)

if "rush"

Use set function to change theMessage text color to red.

Else

Use set to change theMessage text color to black.

Testing and Test Results

Describe how you tested your program and provide explicit test results (typically in the form of a table showing expected and observed results).

Appendices

A) End User Instructions

Provide adequate instructions for end users. This would most likely involve a simple statement of what the program is for (what it does), a screen shot and a simple outline of how it should be used.

B) Configuration and Administrative User Instructions (as appropriate)

Many modern programs have to be installed and configured by administrative (as opposed to end users). In some cases, it best to provide separate, more technical instructions for these users. For example, if your program involves a configuration file its format and use could be described in this appendix. The goal is to provide each type of user with just the information they need. Possibly check with your course instructor regarding the necessity of separate configuration or administrator instructions.

C) Source Code

Provide all the non-machine generated source code for the program in 10 pt courier font. Providing the *m2html* generated html documents that includes all the code is sufficient.