

TEST PLAN TEMPLATE

The format and content of a software test plan vary depending on the processes, standards, and test management tools being implemented. Nevertheless, the following format, which is based on IEEE standard for software test documentation, provides a summary of what a test plan can/should contain.

Test Plan Identifier: TP 1

- Provide a unique identifier for the document. (It would be good to have a pattern of identifiers for your proposal, test plan, test cases, scripts, etc.)

Introduction:

- Provide an overview of the test plan.
- Specify the goals/objectives.
- Specify any constraints.

References:

- Senior Project Design Proposal
- Requirements Specification

Test Items:

- Computer
- Internet Connection
- Visual Studio Code
- Reveal.js

Features to be Tested:

- If video player code works properly
- If video player is recording (See Requirement #4)
- If audio is being recorded during the video presentation
- If the audio can be played back while watching the recorded video presentation (See Requirement #1)
- If the video presentation looks like a video recording (See Requirement #4)
- Each HTML feature that was added (See Requirement #2 and #3)

Features Not to Be Tested:

- All features will be tested.

Approach:

- The overall approach to testing is to run the video presentation code from the beginning to test and make sure that the audio and video are being recorded

Item Pass/Fail Criteria:

- Requirement #1 will pass as long as the audio and video are successfully recorded during the presentation
- Requirement #2 will fail if the code for a clickable link is not written properly
- Requirement #2 will pass as long as the clickable links are reached successfully
- Requirement #3 will fail if the code for searching for a word within the video at a particular time is not written properly
- Requirement #3 will pass as long as the word that is searched for within the video at a particular time is found
- Requirement #4 will fail if the code for the look and feel of a video player is not implemented correctly
- Requirement #4 will pass as long as the video player looks and feels like a video recording

Test Deliverables:

- Completed check list with pass/fail results and additional comments

Test Environment:

- Project Source Code
- Visual Studio Code

Test Case #	Description	Pass/Fail
1	If video player code works properly	Pass
2	If video player is recording (See Requirement #4)	Fail
3	If audio is being recorded during the video presentation	Pass
4	If the audio can be played back while watching the recorded video presentation (See Requirement #1)	Pass
5	If the video presentation looks like a video recording (See Requirement #4)	Pass
6	If the Presenter Feedback Form submits through email	Pass
7	If the search function searches through the slideshow presentation for the specific word (See Requirement #3)	Fail
8	If the provided clickable links work properly and take the user to the source	Pass

Responsibilities:

- Mark Neitzel
 - Create and program code
 - Write test cases
 - Write Test Plan Specification and Requirement Specification documents
 - Add HTML features to the code
- Dr. Hayes
 - Review project
 - Help assist when needed

Approvals:

Senior Project Advisor, Dr. Hayes, will approve before test participants use the player and recorder.