# 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:

* List the related documents, with links to them if available, including the following:
  + 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:

* N/A

## 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:

* Specify the criteria that will be used to determine whether each test item (software/product) has passed or failed testing.
* 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

## Suspension Criteria and Resumption Requirements:

* N/A

## Test Deliverables:

* List test deliverables, and links to them if available, including the following:
  + Test Plan (this document itself)
  + Requirements Specification
  + Senior Project Design Proposal

## Test Environment:

* Reveal.js
* Visual Studio Code
* Storyteller Plugin for Visual Studio Code

## Estimate:

* N/A

## Schedule:

* See Design Proposal for detailed schedule

## Staffing and Training Needs:

* N/A

## 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

## Risks:

* N/A

## Assumptions and Dependencies:

* N/A

## Approvals:

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