

ONCUE

OnCue is an easy to use, budget-friendly multimedia presentation wrapper software package that aims to provide industry grade fluidity and seamlessness.

PROJECT OVERVIEW

The aim of this project is to create a functional multimedia presentation wrapper software package which can seamlessly transition between different presentations and media, removing the unprofessional look created when a different presentation or video needs to be opened during an event.

This project is of a commercial nature, applicable for live use in public environments and is targeted towards individuals, groups, organisations, or simply anyone who wishes to give their presentations a professional look and appeal. Due to the nature of the type of presentation software however, this package is more suited for people who have a video switching role. In an educational context, this could include a school's sound and lighting team.

This project will be designed using either Python or C, dependent on the tentative availability of code libraries as well as performance and stability. OnCue will be developed for the Microsoft Windows operating system, however cross-platform support may also be present if the need arises for it to be.

Side Note: This project will be developed for possible use in my church, with customisations specific to the church redacted from this submission

DATA DICTIONARY (TENTATIVE)

Field Name	Data Type	Max Data Length (bytes)	Example	Description
<CurrentID>	Integer	-	4	Selected presentation ID
<CurrentSubID>	Integer	-	1	Selected slide ID in presentation
<EventData>	Array of Objects	-	-	Array of presentation data information
<EventDataOrder>	Array of Integers	-	-	Order of presentation data items
<DisplayMode>	Integer	1	1 / 2 / 3	Value of display mode 0 – Show content 1 – Show black 2 – Show desktop

GANTT CHART

