

Quick guide:

CapstoneEventMusicEditor.DataAccess : database connectivity and commands

- Table definitions are also in user doc

CapstoneEventMusicEditor.UI : User Interface

*** these are all just part of the framework I did not write them

| Path | File Name | Description |
|------|-------------------------|---|
| / | Bindable Base | this class implements inotifypropertychanged interface and allows properties to be set |
| | ContainerHelper | sets instance of view model (implemented in MainWindowViewModel.cs) |
| | RelayCommand | binds relay commands from the view models so you dont have to write code in the views to do so |
| | ValidatableBindableBase | this class implements inotifypropertychanged interface and bindable base to allow validation checks on the class inbetween the database and front end |

*** still part of the framework however contains some of my code (not overly exciting)

| Path | File Name | Description |
|------|---|---|
| / | MainWindow.xaml MainWindowViewModel.cs | The window all the views are displayed on... driving view model all view changes route through this application |

*** start of actual code

| Path | File Name | Description |
|--------|--|--|
| /Songs | AddEditSongView.xaml AddEditSongView.xaml.cs AddEditSongViewModel.cs | Add, edit, or delete a song |
| | EventsView.xaml EventsView.xaml.cs EventsViewModel.cs | Set leds lights to particular segments of the song |
| | SimpleEditableSong.cs | Class that is for validation when retrieving data from ui (the user is required to have a song name and a path to the song) |
| | SongsSearchView.xaml SongsSearchView.xaml.cs SongsSearchViewModel.cs | This contains the search all songs ui as well as the music player ui |

| Path | File Name | Description |
|--------------|----------------|---|
| /EventEditor | EventPlayer.cs | Functions and variables for playing an event with songs |

| Path | File Name | Description |
|-------|---------------------------|--|
| /Data | PlaylistQueueService.cs | Where the playlist is/ all manipulation functions for it |
| | SessionVariableService.cs | Variables to keep instance of music player alive (no longer necessary now that both search music and the player are within the same view viewmodel |
| | SongDataService.cs | Db connection functions |

Relative File Paths:

/CapstoneEventMusicEditor/CapstoneEventMusicEditor.UI/bin/Debug/icon --the icons

/Capstone/CapstoneEventMusicEditor/CapstoneEventMusicEditor.UI/bin/Debug/eventConfig --the event config

/Capstone/CapstoneEventMusicEditor/CapstoneEventMusicEditor.UI/bin/Debug/songs --songs and images

Special Thanks:

Application Setup: Brian Noyes's MVVM course on Pluralsight

Music: <https://www.bensound.com/royalty-free-music>

Icons: <https://icons8.com/>