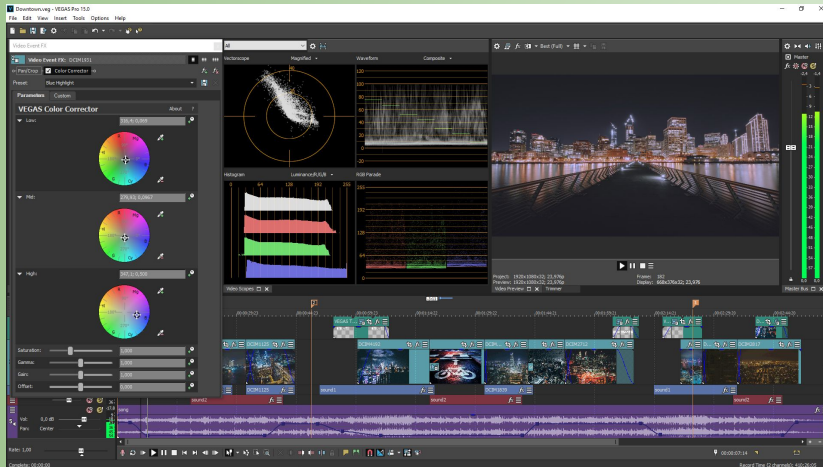


FlickFix

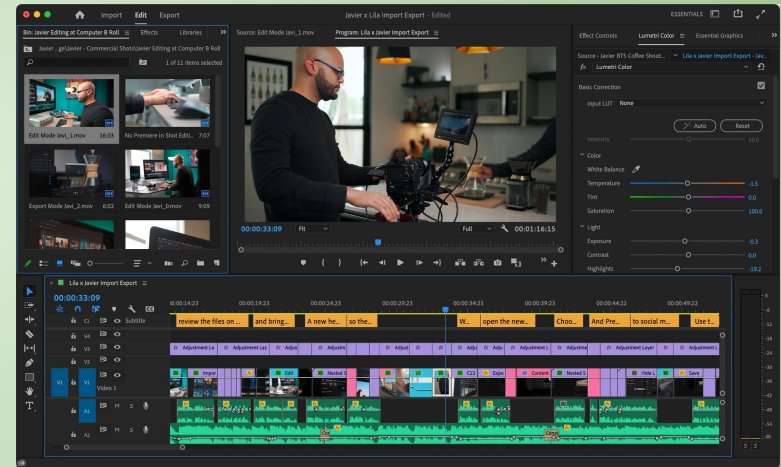
Matthew Weigel - CSCI Senior Project Fall 2023

The Problem

- Most modern video editors are overly complex, expensive, or both.



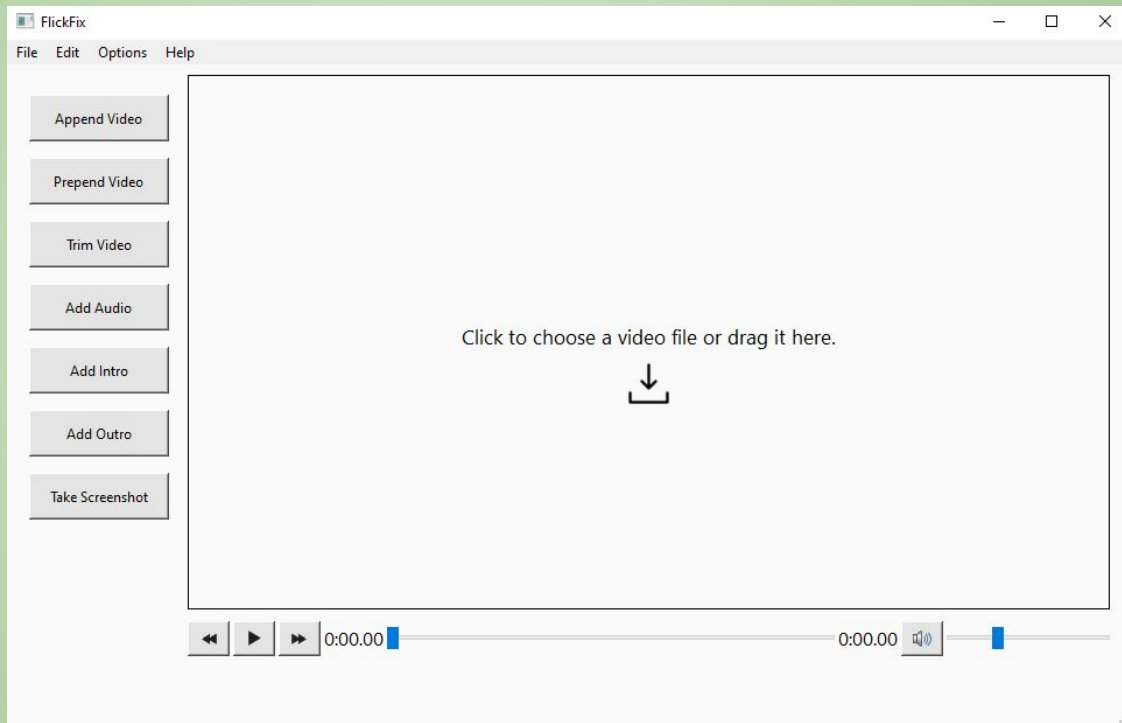
Sony Vegas Pro - \$17/month



Adobe Premiere Pro - \$23/month

The Solution

- FlickFix
 - Free
 - Simple



What is FlickFix?

- Free video editing desktop application
- Emphasizes simplicity and ease-of-use
- Intuitive and user-friendly UI
- Has common features
 - Video import and saving
 - Combining videos
 - Trimming
 - Audio dubbing
 - Intro and outro creation
- Target audience - casual editors

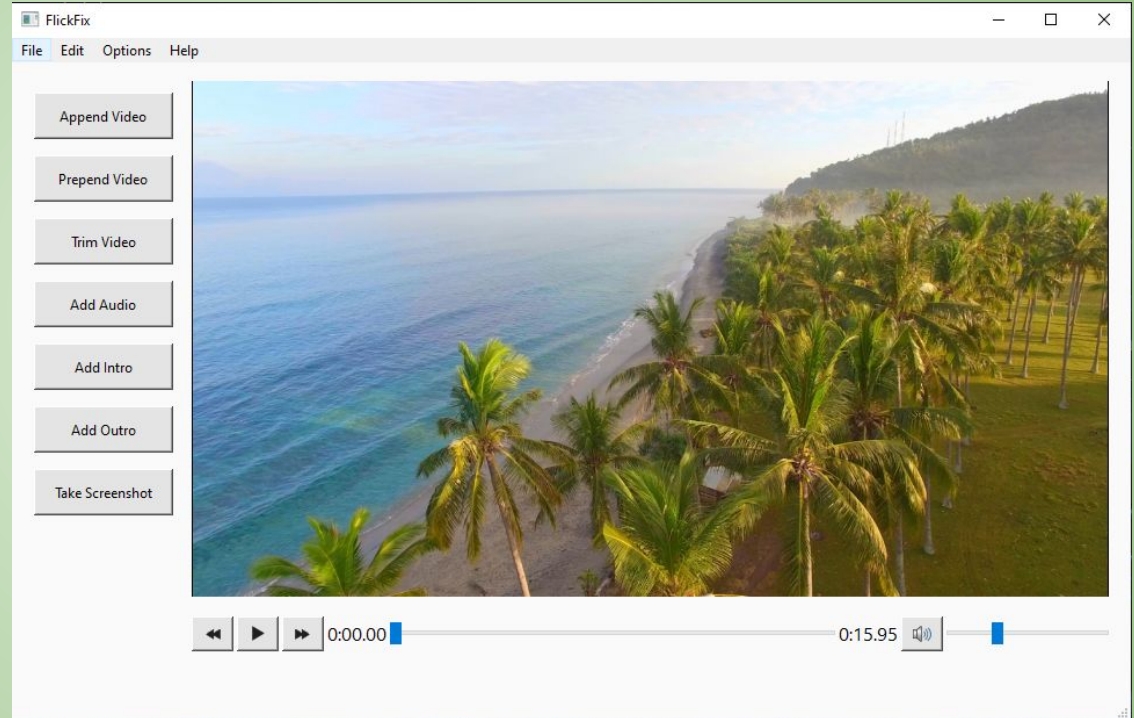
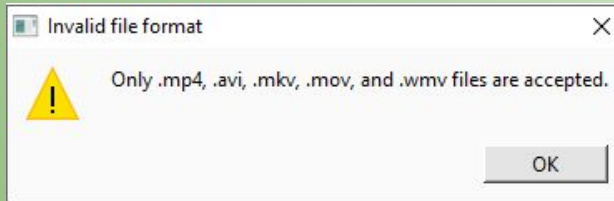
What is FlickFix?

- Built using Qt Creator 5.15.2
 - An IDE that is part of the Qt framework
 - Utilizes libraries like QtMultimedia
- Written in C++
- Utilizes FFmpeg for back end video processing
 - Video splicing and cutting
 - Audio dubbing
 - File format converting



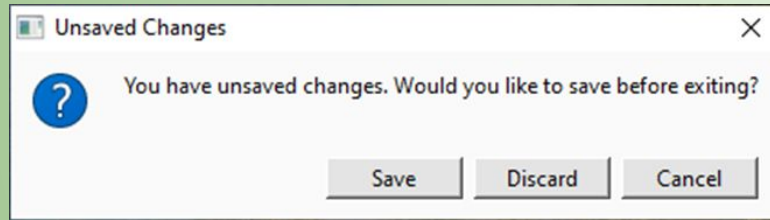
Importing a Video

- Multiple ways
 - Top menu bar
 - Side buttons
 - Clicking player
 - Drag and drop
- Only valid video files
 - mp4, avi, mkv, mov, wmv



Saving a Project

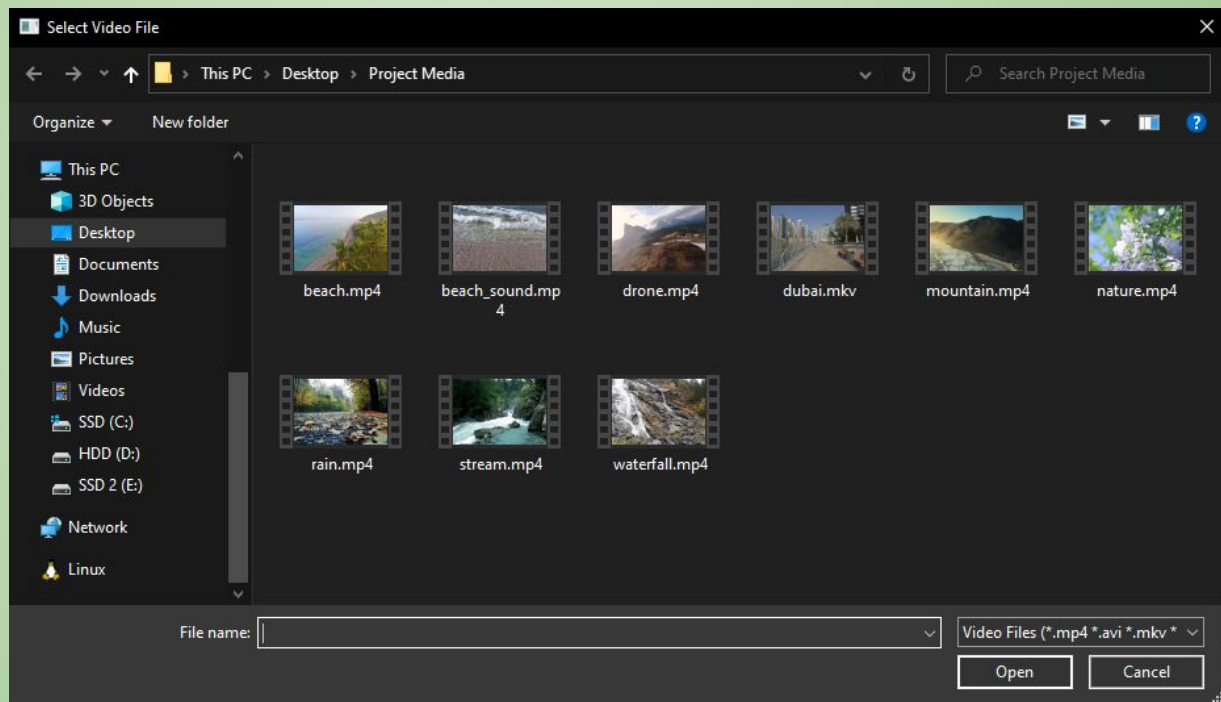
- File->Save As to create save
- File->Save or Ctrl + S updates save
- Warns if trying to close with unsaved changes



- The idea is keeping things familiar

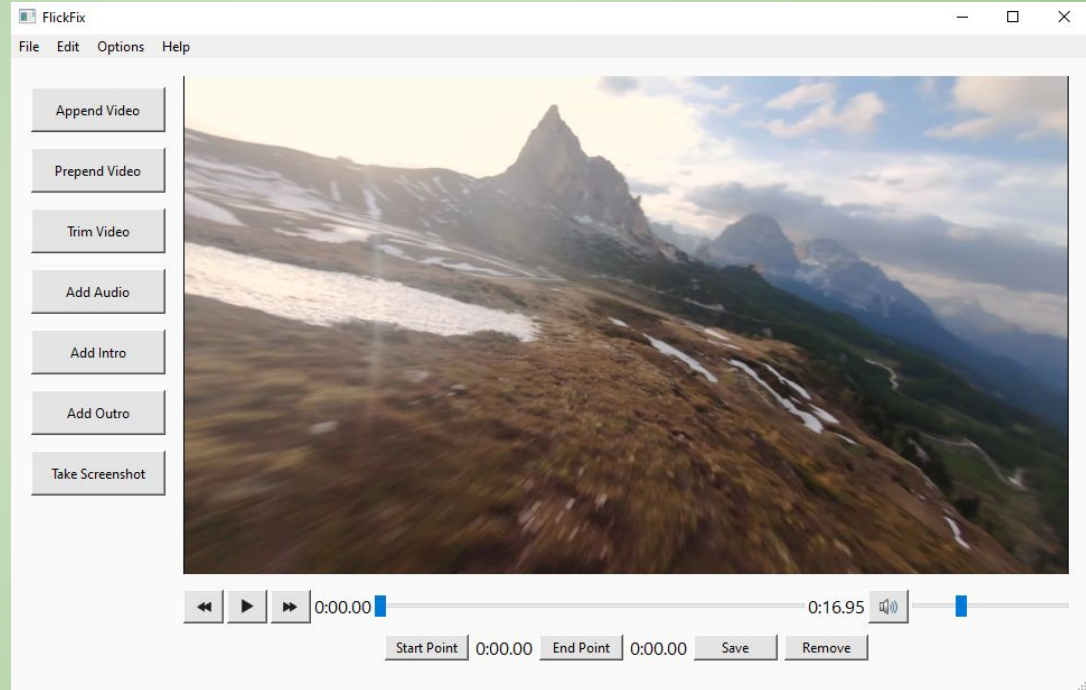
Combining Videos

- Append
- Prepend



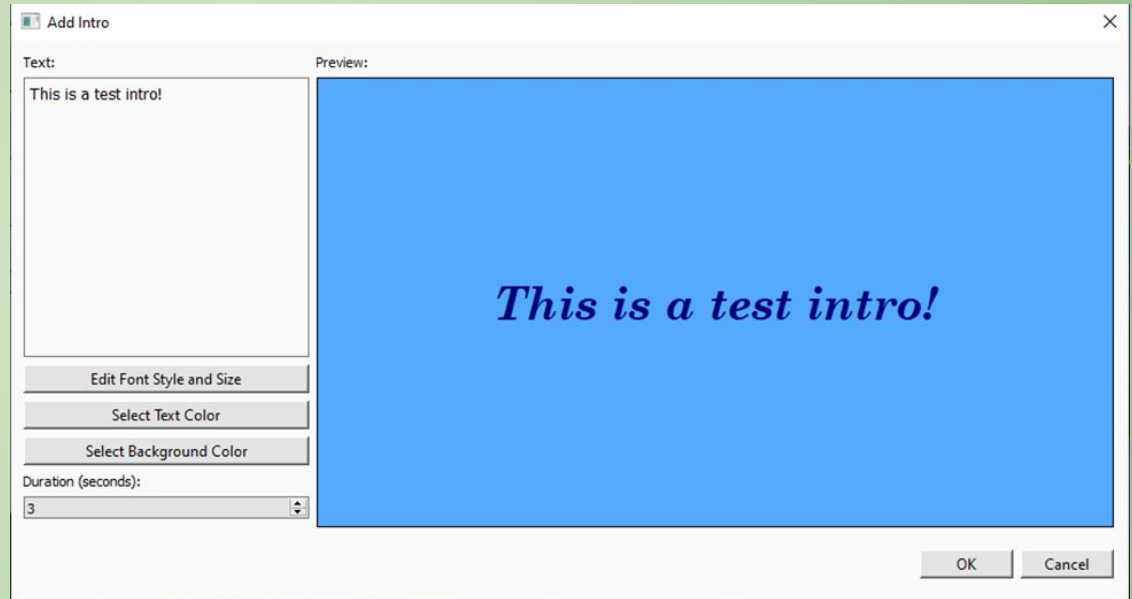
Trimming a Video

- Save
 - Keeps selection
- Remove
 - Removes selection



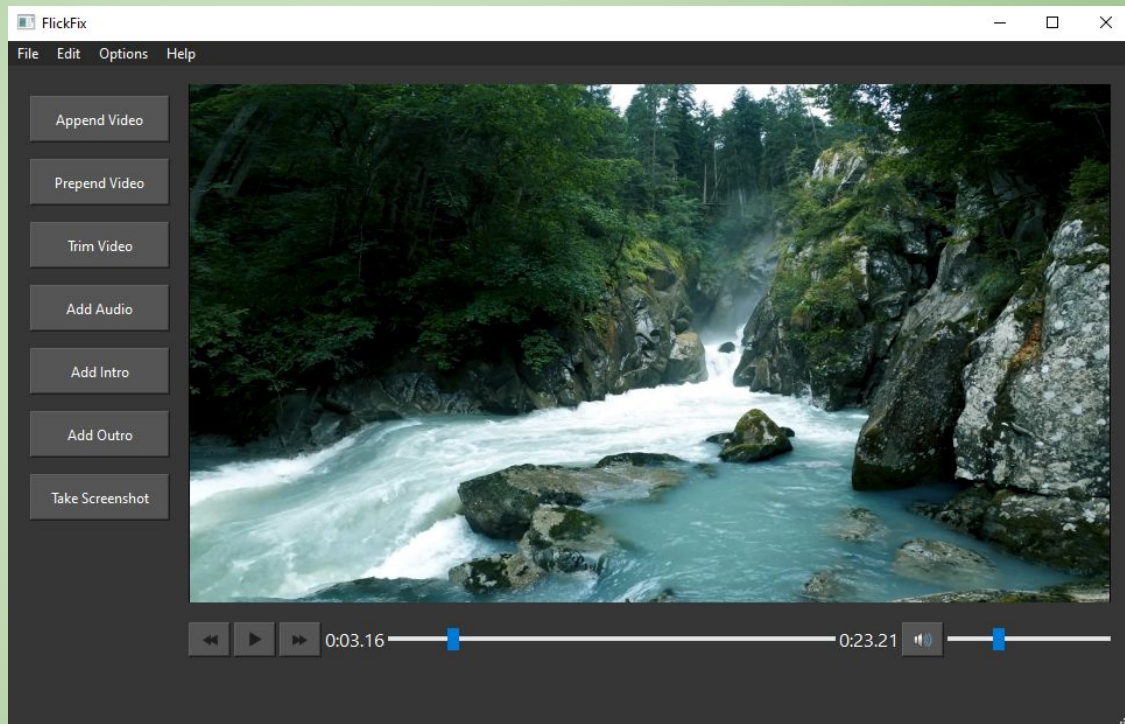
Intro & Outro Creation

- Intro/Outro creation menu
 - Text
 - Font style and size
 - Text color
 - Background color
 - Duration (seconds)



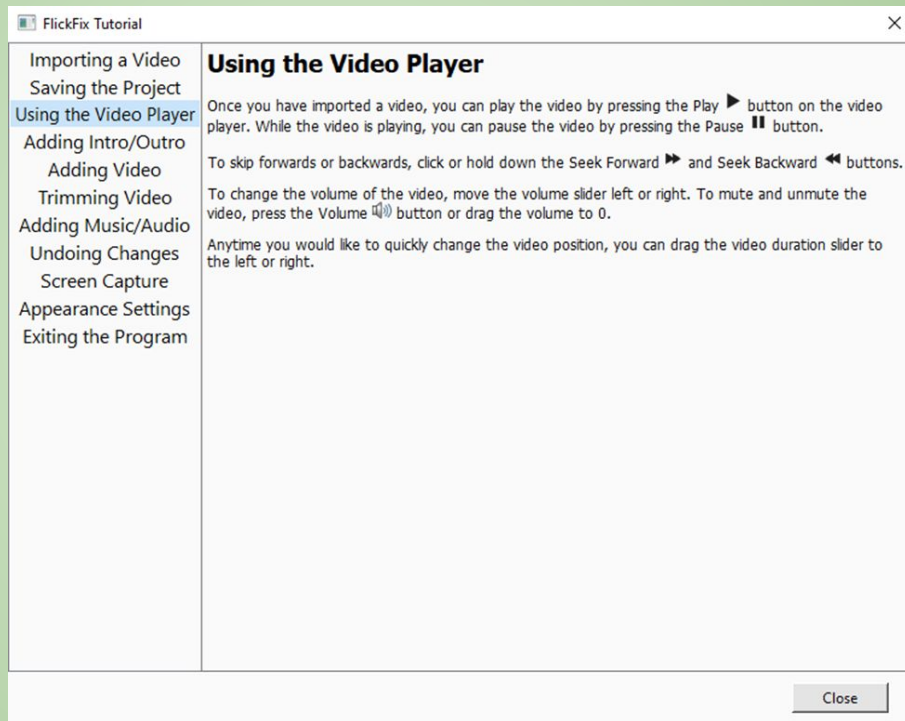
Customization

- Light mode
 - Default
- Dark mode
- Modes stay persistent



Tutorial

- One for each feature



Testing

- Developer Testing

- A lot during development
- Test Plan:

<https://github.com/mtweigel/CSU-Senior-Project/blob/master/tests/FlickFix%20Test%20Plan.docx>

- Test Cases:

<https://docs.google.com/spreadsheets/d/1AKGEy2gAnmjuKqQM1qJmJLxnYHLELVpD3hXlkFgVaD0/edit?usp=sharing>

- Usability Testing

- Results:

<https://github.com/mtweigel/CSU-Senior-Project/blob/master/tests/FlickFix%20Usability%20Testing%20Results.docx>

Future Enhancements

- More features
 - Still frame video - slideshow
 - Transitions
 - Inserting video between other videos
 - Export as different file formats
- Implement user suggestions
- Bug fixes
- Package FFmpeg and K-Lite Codec source files into FlickFix installer
- Design a logo

Questions?