Steps to Compile and Run:

Due to Size Limitations, in order to compile and run the program, you will need to download some .lib and .dll files for OpenCV 3.0.

NOTE: Alternatively, the required DLL files can be found in the supplied video file/dropbox link that is coupled with the submission (https://www.dropbox.com/sh/zlkfwctnwl8u0oi/AABg-nPjp_OEyTjkkSia5GwKa?dl=0)

Run Steps:

      1. go to http://opencv.org/downloads.html and download OpenCV Version 3.0 for Windows

      2. run the exe file to extract the contents

      3. Next, go into the opencv\build\x86\vc11\bin folder and copy the dll files into the Source/CMPT365-A3 folder

      4. Run the exe for the program

      5. Click the Open Video button to open a video

      6. Once a video has been opened, press the "Run" button to process the video using the selected technique (from the radio buttons)

      7. To stop the video, press the "Abort" button.

      8. If you want the program to locate the start of the transition (left to right wipes) in the video, enable the "Find Transition Frame" checkbox for the program to try and locate the first frame of the transition.

Compiling Steps:

      1. go to http://opencv.org/downloads.html and download OpenCV Version 3.0 for Windows

      2. run the exe file to extract the contents

      3. once extracted, go into the opencv/build/x86/vc11/lib folder and copy these files into the Project's Source/CMPT365-A3/lib folder:

            opencv_ts300.lib

            opencv_ts300d.lib

            opencv_world300.lib

            opencv_world300d.lib

      4. next, go into the opencv/build/x86/vc11/staticlib folder and copy these files into the Project's Source/CMPT365-A3/lib folder:

opencv_core300.lib

opencv_core300d.lib

opencv_imgproc300.lib

opencv_imgproc300d.lib

opencv_highgui300.lib

opencv_highgui300d.lib

opencv_ml300.lib

opencv_ml300d.lib

opencv_video300.lib

opencv_video300d.lib

opencv_features2d300.lib

opencv_features2d300d.lib

opencv_calib3d300.lib

opencv_calib3d300d.lib

opencv_objdetect300.lib

opencv_objdetect300d.lib

opencv_flann300.lib

opencv_flann300d.lib

5. In Visual Studio 2012, right click on the CMPT365-A3 project from the solution explorer and click on "properties"

6. Under the properties window, go to the linker section and edit the "Additional Library Directories" section to include the Project's Source/CMPT365-A3/lib folder

7. Add these library file names to the Properties -> Linker -> Input -> Additional Dependencies section

8. Next, go into the opencv\build\x86\vc11\bin folder and copy the dll files into the Source/CMPT365-A3 folder

9. Finally, run the program in Debug mode to compile and run the application

10. See "Run Steps" 3 through 5 for how to operate the program