### Multimedia Transcoder Using JavaFX 2.1



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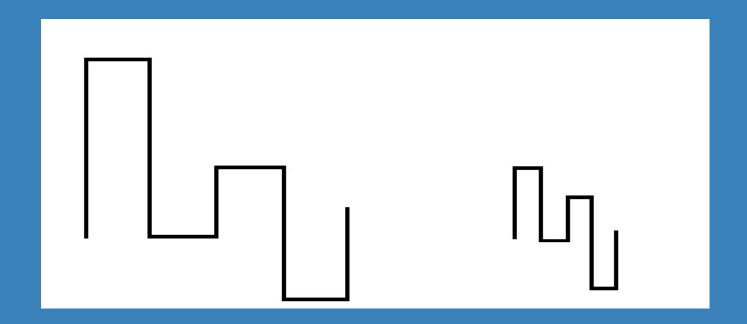
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#### Introduction

- > Multimedia is ubiquitous
- > Era of Desktops, Laptops, Smartphones and Tablets having various operating systems.
- > Device's whim or limitation
- > We need to 'Transcode'

# What is Transcoding

- > Naively converting a video file
- > Changing attributes of a video



#### Multimedia Transcoder

- > Converts videos
- > Also Targets
  Aakash Platform(Android 2.2/2.3)
  HTML5
- > Extracts audio from a video file
- > Split videos

### **Under The Hood**

> FFMPEG

**Command Line Tools** 

Video Codecs

**Audio Codecs** 

A Player

Used By-







# **Front End**

> JavaFX 2.1

> CSS

#### Working

```
drivingConvertThread
                        //having low priority
   while (listnotEmpty())
            transcode(); //spawn a thread 't' having higher priority
                while(isAlive(t))
                 { // wait }
              update variables;
drivingSplitThread //having low priority
      while (listnotEmpty())
              split(); //spawn a thread 't2' having higher priority
                while(isAlive(t2))
                { // wait }
                update variables;
```

### **Convert window**



## **Split window**



# **GANTT Chart**



# Thank You