

MICHIGAN STATE  

---

UNIVERSITY

# 10/31: Camtasia Demo

The Capstone Experience

Ryan Johnson

Department of Computer Science and Engineering  
Michigan State University

Fall 2018



*From Students...  
...to Professionals*

# Overview of Camtasia

- **Screen Recording**
- **Video Editing**
  - Loading in Audio/Video
  - Mistakes
  - Transitions
  - Annotations
  - Behaviors
  - Animations
  - Effects
  - Clip Speed

# Screen Recording

---

- Recording Settings
  - Region
  - FaceTime
  - Microphone
- Full Screen vs. Custom Region

# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- Loading in Audio/Video
- Mistakes
- Transitions
- Annotations
- Behaviors
- Animations
- Effects
- Clip Speed



# Video Editing

---

- Loading in Audio and Video
  - Supported file formats are TREC (Camtasia Recording Files), MOV (QuickTime), MP4, AIFF, MP3, WAV, AAC, JPEG, PNG, SRT, TIFF, PPT, PPTX

# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~

- **Mistakes**

- Transitions

- Annotations

- Behaviors

- Animations

- Effects

- Clip Speed



# Video Editing - Mistakes

- Drag the actual clip to trim out mistakes
  - Edits on TL won't affect original recording in media bin
- Drag red or green handle on playhead
  - Click scissors to remove
  - Paste cut clips on different track
  - Right Click to Unstitch
  - Double click playhead to bring back together
- Separate Audio and Video



# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~
- ~~Mistakes~~
- **Transitions**
- Annotations
- Behaviors
- Animations
- Effects
- Clip Speed



# Transitions

---

- Used for transitions between clips
- Highlighted on TL to show where applicable
  - Transitions automatically applied to end of first clip and beginning of second clip when touching
- Change duration by clicking and dragging ends
- Delete by pressing delete

# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~
- ~~Mistakes~~
- ~~Transitions~~
- **Annotations**
- Behaviors
- Animations
- Effects
- Clip Speed



# Annotations

---

- Used to annotate clips
- Click and drag from tools to clip on TL or canvas
- Customize how it enters canvas, what it does, how it leaves, etc. by adjusting properties
  - Properties Panel

# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~
- ~~Mistakes~~
- ~~Transitions~~
- ~~Annotations~~
- **Behaviors**
- Animations
- Effects
- Clip Speed



# Behaviors

- Used to add behaviors to clips, annotations, etc.
- Click and drag one from tools panel to clip on TL or canvas
  - Appear in effects tray at bottom of clip/annotation
- Customize how it enters canvas, what it does, how it leaves, etc. by adjusting properties
  - Properties panel



# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~
- ~~Mistakes~~
- ~~Transitions~~
- ~~Annotations~~
- ~~Behaviors~~
- **Animations**
- Effects
- Clip Speed



# Animations

- Used to animate video clips, annotations, etc.
- Click and drag from tools to clip on TL
  - Appear as arrows directly on clip
- Re-position
  - Click and drag arrow
- Edit
  - Select clip, move playhead after animation arrow and change one of clip's visual properties such as position, rotation, size
- Change Speed
  - Click and drag either end of the arrow



# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~

- ~~Mistakes~~

- ~~Transitions~~

- ~~Annotations~~

- ~~Behaviors~~

- ~~Animations~~

- **Effects**

- Cursor

- Gesture

- Voice Narration/Audio

- **Clip Speed**



# Effects

---

- Cursor, Audio, Visual, Gesture Effects
- Click and drag from tools panel to TL
  - Appear in the effects tray at the bottom of the clip
  - Edit in properties panel

# Cursor Effects

---

- Useful for Web App recordings
- Click and drag from tools panel to TL
  - Appear in the effects tray at the bottom of the clip
  - Edit in properties panel

# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~

- ~~Mistakes~~

- ~~Transitions~~

- ~~Annotations~~

- ~~Behaviors~~

- ~~Animations~~

- **Effects**

- ~~Cursor~~

- **Gesture**

- Voice Narration/Audio

- **Clip Speed**



# Gesture Effects

---

- A little more complicated
- Click and drag from tools panel to TL
  - Appear in the effects tray at the bottom of the clip
  - Edit in properties panel
- Timing is key
  - Check where in effects tray

# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~

- ~~Mistakes~~

- ~~Transitions~~

- ~~Annotations~~

- ~~Behaviors~~

- ~~Animations~~

- **Effects**

- ~~Cursor~~

- ~~Gesture~~

- **Voice Narration/Audio**

- **Clip Speed**



# Voice Narration

---

- **VERY IMPORTANT:** Quiet background music, loud narration
- Remove all sound recorded with built-in microphone
- Use Yeti Stereo Microphone's provided in lab

# Audio Effects

- Edited just like video clips on TL
- Volume can be adjusted by clicking and dragging green line up/down
  - Each clip's audio can be adjusted individually
- Audio Points
  - Allow you to change volume of a portion of a clip
  - Double click on audio line to add an audio point
  - Example: Fade a music track in or out
    - Add one point where fade should begin, and one where it should end
    - Move one of points up or down to add fade



# Overview of Camtasia

- ~~Screen Recording~~

- **Video Editing**

- ~~Loading in Audio/Video~~

- ~~Mistakes~~

- ~~Transitions~~

- ~~Annotations~~

- ~~Behaviors~~

- ~~Animations~~

- ~~Effects~~

- ~~Cursor~~

- ~~Gesture~~

- ~~Audio~~

- **Clip Speed**



# Clip Speed

---

- Play a video faster or slower
- Right click -> Add Clip Speed
- Drag to adjust, or use properties panel

# Overview of Camtasia

- ~~Screen Recording~~

- ~~Video Editing~~

- ~~Loading in Audio/Video~~

- ~~Mistakes~~

- ~~Transitions~~

- ~~Annotations~~

- ~~Behaviors~~

- ~~Animations~~

- ~~Effects~~

- ~~Cursor~~

- ~~Gesture~~

- ~~Audio~~

- ~~Voice Narration~~

- ~~Clip Speed~~



# What's ahead?

[1 of 2]

## All-Hands Meetings

- ~~W10, 10/29: Design Day and the Project Video~~
- ~~W10, 10/31: Camtasia Demo~~
- W11, 11/05: Intellectual Property
- W11, 11/07: Ethics and Professionalism
- W12, 11/12: Beta Presentations
- W12, 11/14: Beta Presentations
- W13, 11/19: Beta Presentations
- W13, 11/21: Team Status Reports

# What's ahead?

[2 of 2]

## All-Hands Meetings

- W14, 11/26: Beta Presentations
- W14, 11/28: Team Status Reports
- W15, 12/03: Project Videos
- W15, 12/05: Project Videos and All Deliverables
- W15, 12/06: Design Day Setup
- W15, 12/07: Design Day
- W15, 12/10: Project Videos



# Questions?

---

?

?

?

?

?

?

?

?

?

