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Project Topic:

Interactive video editing with transparent image resources. We want to extend the tracking functionality developed in project 3 to allow a user to modify a video with a toolbar of image resources that can be seamlessly inserted into the video.

Planned Meeting Schedule:

We plan on meeting after every class from now until December 2nd. We will also meet on weekends as needed.

Objective 1: be able to accurately track a face in video in real time

Result: have the app be able to track at least a 100 points in 3D space on the face in real time.

Result: be able to track a face with 80% accuracy in an offline situation

Objective 2: Have transparent images stick to a tracked object in the video and move in relation to it.

Result: Identify the points that are being tracked and map them onto the image of choice so that wherever those points go the image also moves

Objective 3: Extend the functionality to a mobile app that allows users to modify a video for vine or instagram.

Result: Have a working Android or iOS app that allows interactive video editing and implements the same functionality in Objectives 1 and 2 on the mobile platform.

Result: The user will be able to record a video and drag and drop images onto the screen during playback, which will follow the tracked object in the video.