

Project Proposal

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Objective

The objective of this project is to design an interactive video player. This video player will be created to eliminate the disambiguation associated with the television show watching process. For example, when watching a TV show, there are many times when a certain actor or actress's name is unknown. This software aims to resolve this issue. Another scenario of an interactive television app can be used as product placement. For example, if a particular dress or product appears on the screen, sometimes it's hard to find out who makes that product and where to buy it. This is where an interactive television interface will be useful.

Major Features & Functionalities

Some of the major features of the interactive video player include:

1. Play any television show or video with regular video player controls (pause, play, stop)
2. Identify key parts of the video and interact with it (for example: faces, products, attire).
3. Provide relevant information to the user about the selected feature from the video.

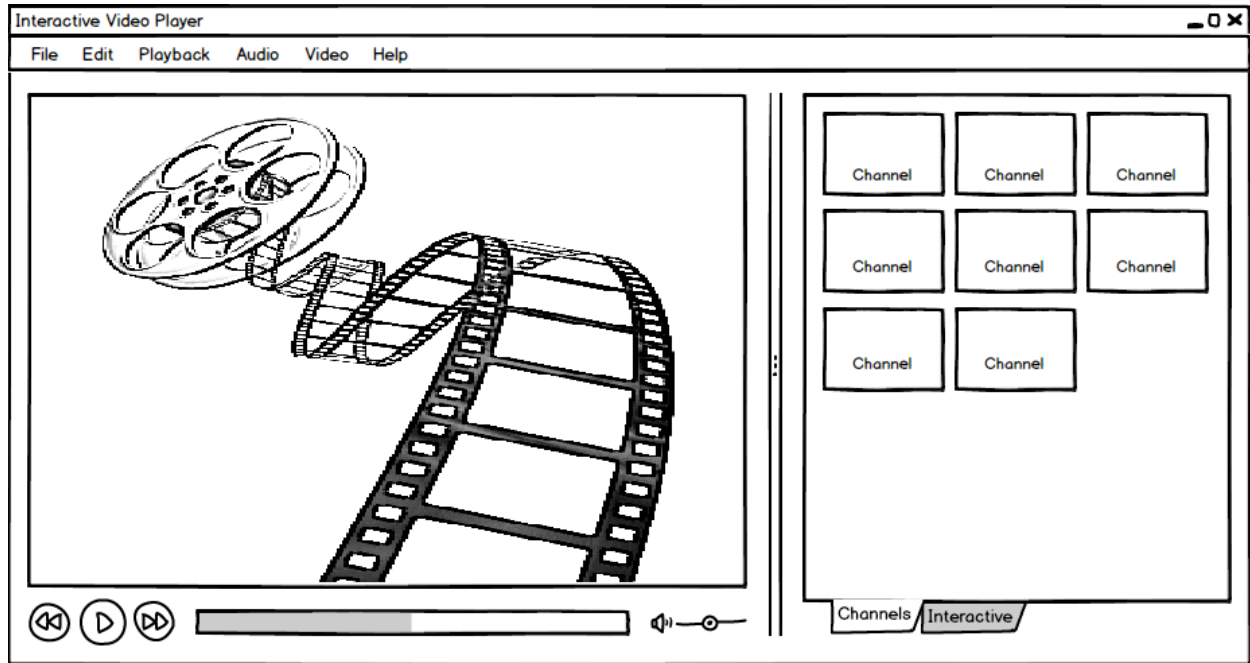
Possible Challenges

The complexity of this interactive video player will probably give rise to many challenges. Some foreseeable ones include:

1. Being able to control video playback and volume
2. Creating interactive regions within the video that a user can interact with
3. Designing the software interface to work in multiple modes (full screen/compact player)
4. Getting contextual data based on what the user has interacted with
5. Determining all the possible modes of operation for the video player.

Preliminary Mockups

This initial mockup is a view of the home screen as soon as the app is started. The option to watch certain channels is available.



This secondary mockup is a view of the interactive element of the player once a feature of the video is selected while a show is playing.

