Architecture

Aman Khoja
David Mathew
Minah Popal
Rohan Kozhikunnathu Samuel
Justin Yim

Group 12

ABSTRACT:

The consumption of media via video streaming services is higher than ever. With video streaming platforms such as Netflix, Twitch, and YouTube growing continuously, consumers of these platforms have an endless amount of content to watch. Often times, consumers who may watch multiple video media or platforms at once, have to change between multiple screens or browser windows. Proposed is a multimedia platform which will all the consumer to watch multiple video streaming services at once, on a single screen, to alleviate the need to switch between screens or windows.

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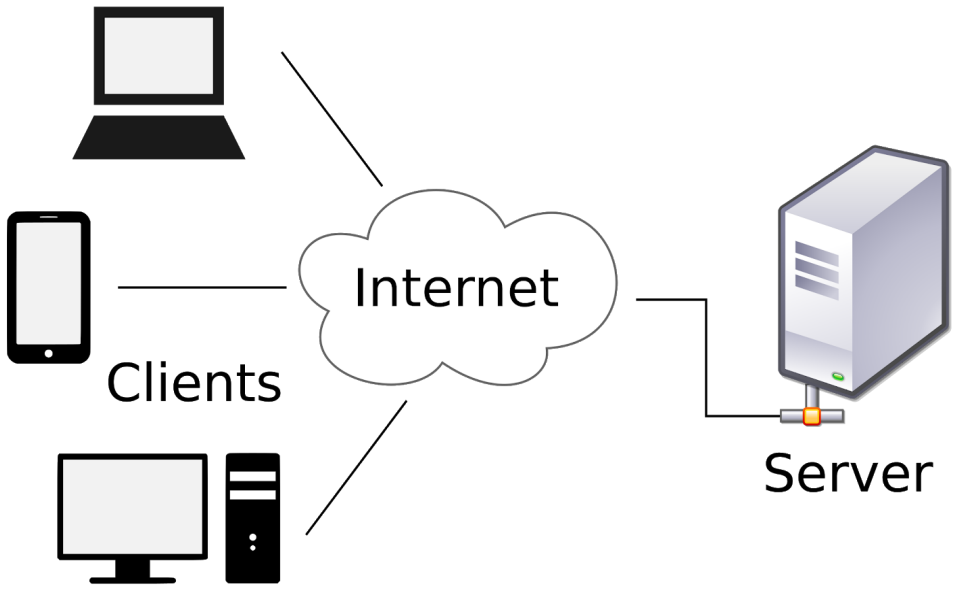
1. INTRODUCTION:

// introduction to the entire document

// purpose and scope of the document

2. ARCHITECTURAL STYLE(S) USED:

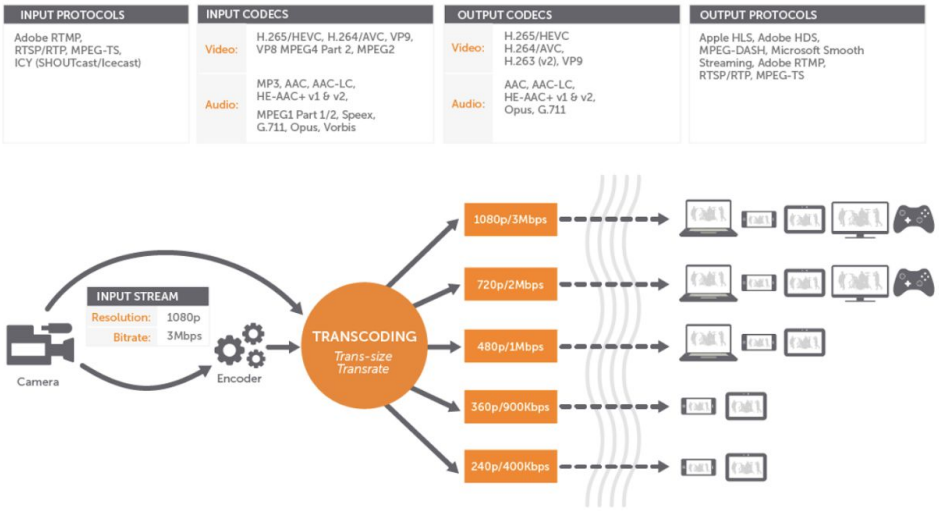


For this project, we will be using the client server architecture. The clients will be accessing the server every time they use our service and the server will answer the user's request.

// As a whole, how does the architecture support various features of your application.

3. ARCHITECTURAL MODEL:

// Use packages stereotyped as subsystems <<subsystem>>



// No classes in the architectural model

4. TECHNOLOGY, SOFTWARE, AND HARDWARE USED:

// minimal list

// Describe the technology used for implementing this project

// List all software and hardware required to support the technology

// Explain the communication between application server and database server

5. RATIONALE FOR YOUR ARCHITECTURAL STYLE AND MODEL:

/***** USE MAJOR BUSINESS CASE 3-4 OF THEM ******//

EX : 6 screens all being streamed at the same time : Why?

Today Bars and Restaurants are big places for people to watch if there is a big event happening. Now, there could be multiple events happening at the same time. Currently, the TV's in these places can only show one event at a time. If there are multiple groups of people who might prefer to watch different live events. This is where our software comes in. Our software will not only be limited to restaurants and bars but also to an individual level. Anyone can subscribe to our service and can utilize watching multiple events at the same time.

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EX : Video motion detection when identifying something "important" : Why would this be helpful

While the user is watching all six screens or if the user is looking away from the computer screen, video motion detection will project the video with the most action. This will attract the users attention, for example, if a live streaming of a football game was happening and a team was about to make a touchdown, that would be projected so the user has its attention on that current screen

EX: Switching screens to different content of your choice : Why?

People tend to have short attention spans, therefore being able to change the content of your screens constantly to something new is satisfying for a user. If a user does not like the broadcaster for a certain sports game, he or she can change it to another channel for another spokesman.

6. EVIDENCE THE DOCUMENT HAS BEEN PLACED UNDER CONFIGURATION MANAGEMENT:

GITHUB : PICTURE OF Architecture document uploaded to the github

7. REFERENCES: