

Web Application for Video Calling

Overview:

As we all know due to the pandemic most of the social and worked life moved online that sparked an evolution in the video sharing services.

So, I created a free video calling app through which anyone can simply make free video call to anyone by just sharing their **unique id**.

Hardware Requirements:

	MINIMUM	USED
CPU	Any 1GHz or faster dual 64bit processor from Intel/AMD	Intel i5-1135G7 at 2.4 GHz
RAM	4GB of RAM	16GB
STORAGE	512 MB	1 TB SSD

CONNECTIVITY	Constant broadband	Constant broadband
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Software requirements:

	MINIMUM	USED
OS	Windows 10, 11/any Linux based OS	Windows 11
SOFTWARE	Visual studio code, Sublime Text or any IDE, Any Web Browser	Visual Studio Code v.1.63.0, Mozilla Firefox

Technologies Used:

This **react** application was initialized with **create-react-app**.

React.js, Node.js, WebRTC

Language used:

JavaScript, HTML, CSS

Project Description:

This web application is build using React.js which is a JavaScript library use for making frontend of web application. To connect with someone via video chat you have to share a unique code which can be create via using button given below.

When second person paste that given unique id in application and click on call button you receive a call and after picking up you are connected with them.

-- It is a free video calling app for the all (mac ,android,windows) users .

-- It is a lovable video calling app .if u are searching for a yet clean-to-use app

to make free video call, then this app is for you .

--this app works regardless of the tool you and your buddies use.

-- it also lets in you to video call over 2G , 3G , 4G simply

--all the information shared on this platform is end-to-end encrypted, and it adheres to the world's top security protocols making this app a safe and dependable communicating TOOL.

Scope:

Features-

1. MINIMUM VERSION SUPPORT- it can even operates on 2g network
2. SMOOTH VIDEO INTERACTION- it can operate on low network also .
3. EASY TO USE- you can use it easily by just installing it in your system.
4. SECURITY- it has world top security protocols which make it very safe
5. SAFETY OF USERS DATA- the application never leaks data of any of its user
6. LESS TRAFFIC – it is just used for video calling so there isn't any unwanted traffic
7. ADAPTABLE INTERFACE- you will use it with this interface very easily because it has a very adaptable interface.

Functions:

It allows us to connect with someone via video chat. you just have to share a unique code which can be created via using button given below.

Challenges faced:

- 1-** Updated modules were not available .
- 2-** Compatibility issue
- 3-** Need internet connection constantly

Conclusion:

This app conclude that we can connect with someone via video call even with a low network.

And also it is very easy to use.

It has a very security means no one cant call u randomly if they doesn't have your unique id .