

EXPOSYS DATA LABS

Internship

“Video Chatting Web Application” By

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Abstract

Studies of video conferencing systems generally focus on scenarios where users communicate using an audio channel. However, text chat serves users in a wide variety of contexts and is commonly included in multimedia conferencing systems as a complement to the audio channel. Video Conferencing Tool is a web-based video chat application that allows users anywhere in the world to join real-time streaming video chat rooms. Online distance learning allows students and teachers to meet in a virtual classroom without the need to waste time and money on commuting. Build a Front end of Web Application Using ReactJS, CSS. Among interactive video applications, use of video chat is on the rise in both the enterprise and consumer worlds. video chats are resource-constrained and heterogenous with varying display sizes, processing powers, network conditions, and battery levels, and pose real-time delivery constraints unlike traditional video streaming applications.

Key Words – Conferencing Tool, ReactJS, CSS, Video chats, NodeJs, Video Streaming.

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Introduction

The demand for social networking sites is increasing day by day. A social networking site that allows you to video chat online is the primary inspiration for my project. The goal of my project is to build an online video chatting tool that enables users to join real-time streaming video chat rooms where users can share their video users

Existing Method

In the present system a customer has to approach various agencies to find details of places and to book tickets. This often requires a lot of time and effort. A customer may not get the desired information from these offices and often the customer may be misguided. It is tedious for a customer to plan a particular journey and have it executed properly

Proposed method with Architecture

The aim of the proposed method is to develop system of improved facilities. The proposed system can overcome all the limitations of existing method. This system provides proper security and reduces manual work. The Tour and Travels is the part of the sample application that provides customers with online Tour and Travels. Through a Web browser, a customer can quick register on tour and travels websites and then Employee fill up the quick registration form completely or the send login detail user name or password by email from customer. Customer can select tours and package or booking Hotels.

System Requirements:

- Hardware Requirements

- 1) PC with 250 GB or more Hard Disk
- 2) PC with at least 2 GB RAM

- Software Requirements

- 1) Operating System-windows/Linux
- 2) IDE-visual code/sublime
- 3) Browser-google chrome
- 4) Technologies-Frontend: HTML, CSS, JavaScript, NodeJs

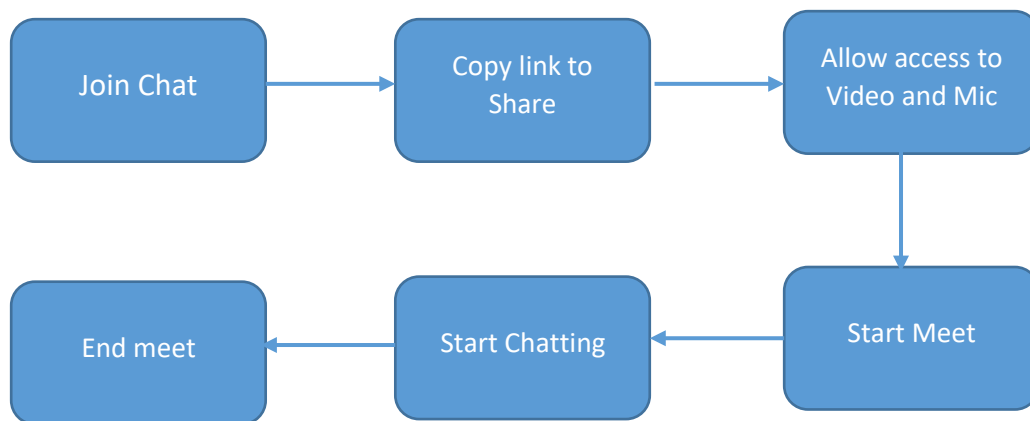
Methodology

Front End development

- The front end has been developed using HTML, CSS, JavaScript. I have made it highly user friendly so that any one is able to use it
- Scenarios:

- a) Join meet
- b) Allow Mic and Camera access
- c) Start Chatting page
- d) End meet

Dataflow Diagram:



Scope of website:

Video conferencing has found its way into nearly every type of business and institution imaginable over the past handful of years, and for good reason. The technology's capability to provide improved communication, larger ranges of features and data sharing, substantially minimized costs, and higher quality of interfacing is an attractive offering no matter the price level

Conclusion

The Website is developed based on real life. It is very helpful in business applications. This website will help users to communicate easily with each other can share videos and chats.