News Chat APP: Connecting People During Crisis

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ABSTRACT

Focusing the light on current political unrest going on between Russia and Ukraine this article look into the crucial role played by news chat application. The app acts as a guide during crisis for people by telling stories, identifying resources, verifying facts and most importantly by reporting real-time information to the people . This News Chat Application focuses to connect people with their friends along with the live news taking place around the globe .By acting as Emergency News Broadcast System it gives relevant information to the people who need it the most

Introduction

News Chat Apps play an increasingly important role in the distribution of digital journalism in the future .With increasing technology, news is also being accessed on smartphones and tablets. These apps have become important for various journalists and professionals. Media pool consist of such apps which link digital communication with non digital one . By looking at data we can say that more than 70% of total visits on top digital news websites come from mobile devices, tablets ,etc . It helps people to get connected with their friends , relatives ,etc and share their views with them regarding the ongoing current topic or any topic of their interest.Our application is user friendly and includes various features such as delivering incredible live chat experience, allowing users to share text messages, images, emoticons, stickers, audio and video clips and another media content.
It makes the experience even more exciting by having extensive feature of access to news of popular news channels. By acting as Emergency News Broadcast System it gives relevant information to the people who need it the most .

Objective

The app acts as a guide during crisis for people by telling stories, identifying resources, verifying facts and most importantly by reporting real- time information to the people .

- To provide easy way to communicate with people by sending and receiving messages in real time.
- To draw public attention to the crisis or disaster issue by providingnews 24 hours
- To keep the user informed by displaying live news and articles from different news channels in a single platform.
- Providing bookmark feature   sothat user can read the news later on.
- To provide news in segregated form so the user can read according to his/her interest, thereby reducing the complexity to search news .
- To allow both group chat and private chat.
- end-to-end encryption for privacyand security purpose.

Scope

Focusing the light on current political unrest going on between Russia and Ukraine this article look into the crucial role played by news chat application during such situations. During disasters or crisis conventional communication generally stop working but apps of such kind stays active.
It draws public attention to the crisis or disaster issue by providing news 24 hours .

Messaging apps have more global users than traditional social, to interact the users to outside world. The application is user friendly and includes various features such as delivering incredible live chat experience, allowing users to share text messages, images, emoticons, stickers, audio and video clips and another media content. The app plays an increasingly important role in the distribution of digital journalism in the future.

Requirements

Software Requirements: Languages Used: Java, XMLAlgorithms: AES Algorithm Database: Firebase
Processor: Intel® Core™ i5-1035G1 CPU @1.00GHz 1.19 GHz
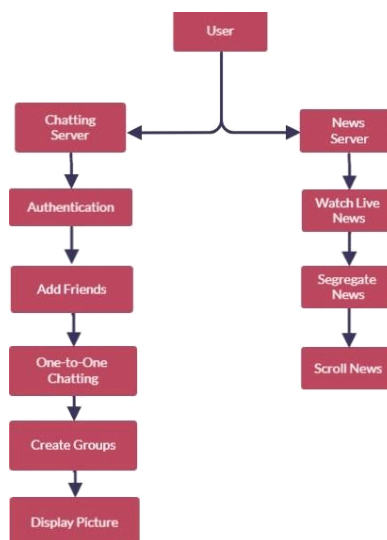Ram:8 GB

Proposed Architecture

Figure 1- Working Modules

Methodology

This application comprises of two servers, User Chatting Server and User News Server and it allows user to connect with two servers in single device at same time.Java, XML,AES Algorithm, firebase ,etc were used for analysis ,development, design and validation .Keeping in mind the the major point that during disasters or crisis conventional communication generally stop working but apps of such kind stays active. So this application By acting as Emergency News Broadcast   System   gives relevantinformation to the people who need it the most

Participants

A survey was conducted of 35 people (both male and female) in the college having age between 20 – 50. The result came out to be in favour of people who preferred using mobile application for reading news rather than going with traditional way . People found news appmore user friendly.

•   Analysis

In this phase the analysis of present share text messages, images, emoticons,stickers, audio and video clips, documents and another media content.

4)Result and verification

Some people used this application and they found it very user friendly and an easy source of information . they were getting system   and   required system   was   made
.questionaire was given to people to understand the need of people what additional changes they want in the application in order to make it user friendly
.they were asked whether they prefer readingnews through newspaper , or through random malicious pop ups or through verified application.

Table2 Pre questionnaire analysis

		Q1	Q2	Q3	Q4	Q5
N	Valid	35	35	35	35	35
	Missing	0	0	0	0	0
Mean		1.8	2	2	1.7	1.6	1.6
Median		2	2	2	2	1	1
Std. Deviation		1.6	1	2	0.6	0.8	0.8
Variance		1.1	1	3	0.4	0.6	0.6
Range		3	3	2	2	3	3
Minimum		1	1	1	1	1	1
Maximum		4	4	2	3	4	4

Design and Deployment

Through survey we come to know necessity of the app. The application created was user friendly and without any complexity . This application comprises of two servers, UserChatting Server and User News Server and it allows user to connect with two servers in single device at same time. The application is user friendly and includes various features such as delivering incredible live chat experience, helping users by allowing them to updated about Ukraine Russia crisis and the the information which people were getting was verified . Through this app one can access the news easily from various national and international news channels .
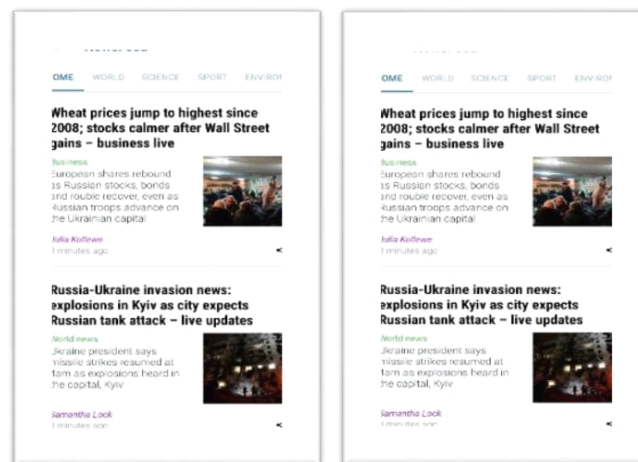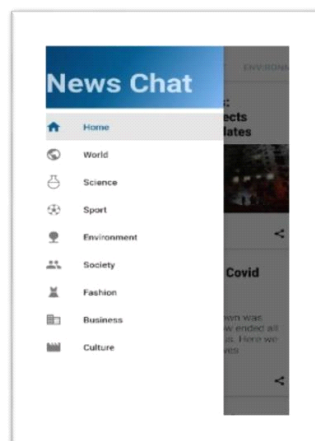

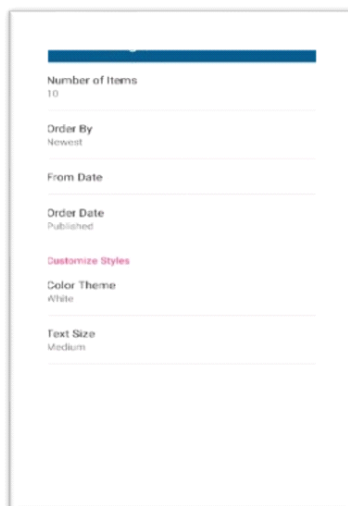Fig 3. Segregated News

Fig 4. Navigation bar

Fig 5.Settings page from where user can change colour theme and font size according to their convenience.

Conclusion

News Chat Android Application provides an easy way communication to the people for being connected during crisis or disaster when conventional communication generally stop working but apps of such kind stays active. By acting as Emergency News Broadcast System it gives relevant information to the people who need it the most . It includes various features such as delivering incredible live chat experience, allowing users to share text messages, images, emoticons, stickers,audio and video clips and another media content.

It builds security gaps between the communicators with end-to- end encryption, instant messaging, group chats and allows users to see the live coverage of surroundings, with a segregate feature.

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