

A
Synopsis
on
FRIENDLY CHAT

Submitted by

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Abstract of the Project Online Chat Application:

The purpose of Online Chat Application is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

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Introduction

The Online Chat Application will make error free, secure and fast Chat system with the help of computerized equipment and full-fledged computer software, so that two or more people can communicate with Each other, and their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

Software Requirements

- Operating System – Windows 10/11 or Ubuntu 18.04 or above.
- Code Editor – Microsoft Visual Studio Code
- Flutter: for designing UI
- Dart: for programming language
- Firebase Firestore: for online database

Hardware Requirements

Hardware we are going to use

- ◆ Processor – Intel i5 7th generation or higher
- ◆ RAM – Minimum 4 GB, recommended 8 GB
- ◆ Disk Space – Minimum 10 GB of free disk space

Modules of Online Chat Application:

- Online Chat Management Module: Used for managing the Online Chat details.
- Users Module: Used for managing the details of Users
- Chat Application Management Module: Used for managing the information and details of the Chat Application.
- Chat History Module: Used for managing the Chat History details
- Chat profile Module: Used for managing the Chat profile information
- Login Module: Used for managing the login details
- Users Module: Used for managing the users of the system

Reports of Online Chat Application:

- It generates the report on Online Chat
- Provide filter reports on Chat History,
- You can easily conduct one to one communication
- We can also use emojis and bitmoji

Conclusion of the Project Online Chat Application:

- A description of the background and context of the project and its relation to work already done in the area.
- Made statement of the aims and objectives of the project.
- The description of Purpose, Scope, and applicability.
- We define the problem on which we are working in the project.
- We describe the requirement specifications of the system and the actions that can be done on these things.
- We understand the problem domain and produce a model of the system, which describes operations that can be performed on the system.
- We included features and operations in detail, including screen layouts.
- We designed user interface and security issues related to system.
- Finally, the system is implemented and tested according to test cases.

Future scope of the project

- We can give more advance software for Online Chat Application including more facilities
- We will host the platform on online servers to make it accessible worldwide Integrate multiple load balancers to distribute the loads of the system
- Include offline chatting within a particular range
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers

Gantt Chart

Feasible study	Week 1						
Requirement Analyze		Week 2					
Design			Week 3				
Coding				Week 4			
Testing					Week 5		
Maintenance						Week 6	
Final Report							Week 7

Signature

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