



COLLEGE CODE :- 9509

COLLEGE NAME :- Holy Cross Engineering College

DEPARTMENT :- CSE

STUDENT NM-ID:-

40302445BB0FD49BB18403F6BA781322

DATE :- 06/10/2025

Completed the project named as

Phase__TECHNOLOGY PROJECT NAME :

CHAT APPLICATION UI

SUBMITTED BY,

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Phase 5 — Project Demonstration & Documentation

1. Final Demo Walkthrough

Overview:

The Chat Application UI provides a clean and responsive interface that allows users to send and receive messages in real-time. The design focuses on simplicity, readability, and modern aesthetics using React + CSS.

Demo Features:

- Login / Join Page: User enters a name to join the chat room.
- Chat Window: Real-time message updates with smooth scrolling.
- Message Input Box: Send messages instantly.
- Active Users Section: Displays the list of users currently online.
- Timestamp: Shows when each message was sent.
- Responsive UI: Works across desktop and mobile devices.

2. Project Report

Title: Chat Application UI

Technology Stack: React.js, CSS, JavaScript, Node.js (for backend API), Socket.io (for real-time chat)

Objective:

To design a modern, responsive chat interface that supports smooth real-time communication and provides a visually appealing user experience.

Modules:

1. Frontend (React):

- o Components: ChatWindow, Message, InputBox, UserList
- o State management using React Hooks

2. Backend (Optional / Future Integration):

- o Node.js server with Socket.io for message broadcasting

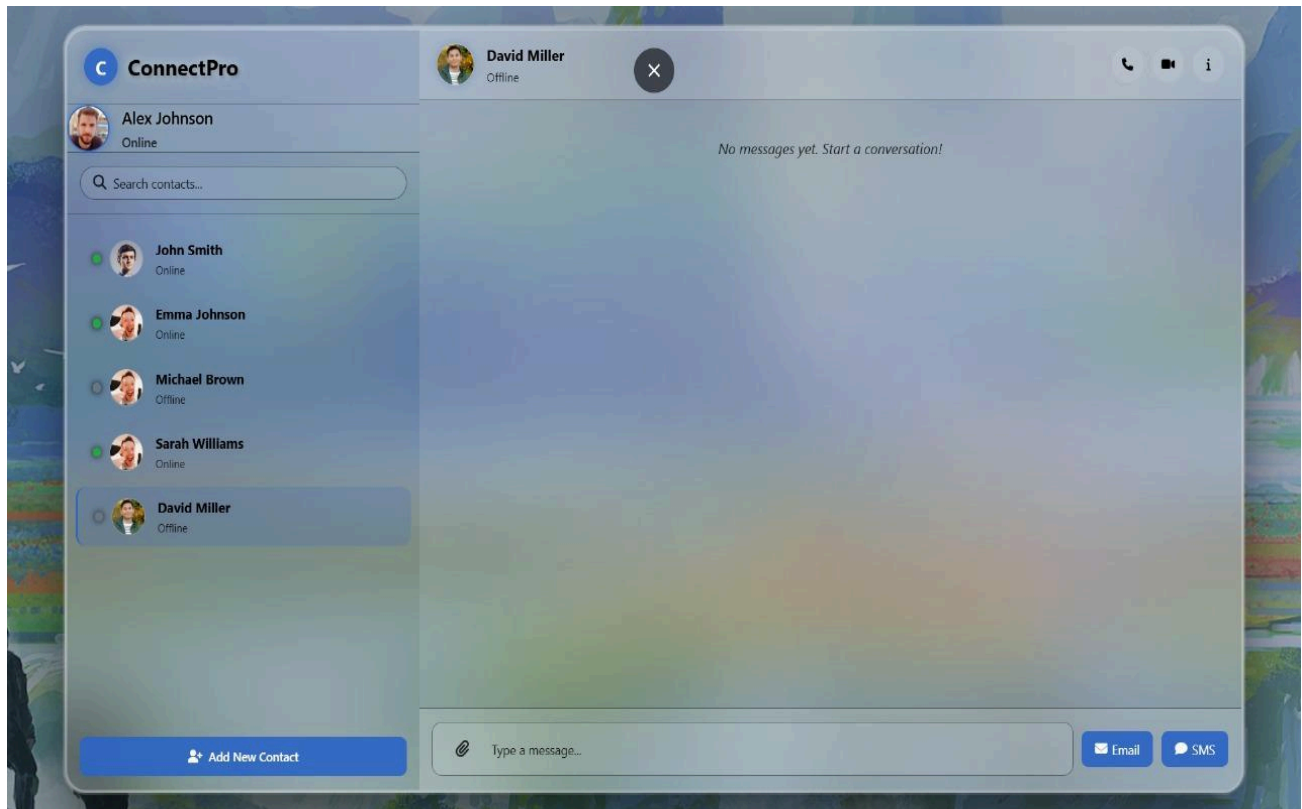
3. Styling:

- o Custom CSS with Flexbox and Grid layout for responsiveness

Key Features:

- Live messaging
- Auto-scroll on new messages
- Minimalist design
- User status indicator

3. Screenshots / API Documentation.



4. Challenges & Solutions:

Challenge

Designing responsive layout

Auto-scroll for new messages

Managing chat states

Keeping UI consistent

Solution

Used Flexbox & media queries in CSS

Used useEffect with scrollToView()

Used React hooks (useState, useEffect) efficiently

Created reusable components for message and input box

· Final Submission:

REPO LINK:

<https://github.com/lengendzhub/Chatify.git>

Deployed Link: <https://chatify-ten-sand.vercel.app/>