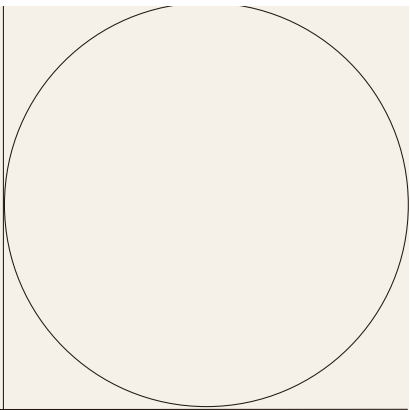


# PROJECT DOCUMENTATION



## SOFTWARE ENGINEERING ASSIGNMENT-1

### OVERVIEW

Project Name	HOLLA! The private Messenger
Project Manager	Mehdi Ahmadian, Sai Pranay Unnam and Ali Reza Gogani
Project Dates	Start Date: Apr 19, 2024 End Date: Aug 30, 2024
Background	“HOLLA!” Private Messenger Application is a communication tool designed for secure and private messaging between users. It is intended to facilitate seamless communication within a closed group or team environment, ensuring confidentiality and privacy of conversations.
Objectives	<ul style="list-style-type: none"><li>Ensure secure and private messaging between users</li><li>Enable users to create accounts and log in securely, with passwords stored securely in the database</li><li>Implement a user-friendly messaging interface for sending and receiving text messages in real-time</li><li>Store messages and user data securely and persistently in a database, ensuring data integrity and availability</li></ul>
Target Audience	Student groups and young people

### PROJECT SPECIFICS

Project Scope	Duration is the 3-4 months and the team included of Mehdi, Sai Pranay and Ali Reza and scope of the project is to create a private group message between the two people
Project Constraints	Time Limitation: The project is restricted to a four-month timeline, requiring careful prioritization of features and activities within this period. Resource Availability: Limited availability of human and technological resources may impact the project's progress and outcomes, necessitating efficient resource management.
Deliverables	<ul style="list-style-type: none"><li>Private group messaging chat</li><li>Internal Deployment and Feedback Gathering: Deployment of the application for internal testing and gathering feedback for further improvements.</li></ul>
Explorations & Decisions	We defined project requirements, set up development tools, and designed the database structure. We focused on implementing user authentication, registration, profile management, and a basic messaging interface with group chat functionality. We prioritized improving the messaging interface with features like message formatting, emojis, and file attachments. We also worked on group chat management functionalities(Week 3-8),We implemented advanced features such as message search, offline messaging, and notifications to enhance user experience(Week 9-12),We conducted thorough testing, bug fixing, and optimization. We also prepared documentation, user guides, and deployed the application for internal testing and feedback collection(Week 13-16).

# PROJECT TIMELINE

Task or Deliverable	Owner	Date Completed	Notes
Presentation and Documentation	Mehdi, Pranay and Ali	Apr 19, 2024	Presenting the project details
Core Functionality	Mehdi, Pranay and Ali	May 15, 2024	Creating the UX user interface
Messaging Interface	Mehdi, Pranay and Ali	May 31, 2024	Creation of message interface
Advanced Features	Mehdi, Pranay and Ali	Jun 30, 2024	Message search, offline messaging, and notifications to enhance user experience
Testing and Optimization	Mehdi, Pranay and Ali	Jul 30, 2024	We conducted thorough testing, bug fixing, and optimization

# CONCLUSION

Project Outcomes	The Private Messenger Application aims to provide secure and user-friendly messaging, enabling seamless communication within closed groups or teams while prioritizing user privacy and confidentiality.
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