

## **Project Description: Message Sender Application**

**General Description:** The "Message Sender" application stands as a platform tailored to empower users with the capability to send, meticulously manage, and view local messages in a contemporary setting. Drawing inspiration from user requirements, our platform marries the simplicity of a seamless authentication system with the sophistication of an interactive graphical user interface (GUI), all the while spotlighting unique functionalities that prioritize efficient and effective messaging dynamics.

### **Goals and Benefits:**

- **Enhanced User Experience:** Our platform emphasizes a user-first approach. We've designed an interface that is both intuitive and functional, ensuring users can easily navigate and perform tasks without a steep learning curve. Every feature is geared toward making the user's journey seamless and efficient.
- **Secure Messaging:** In today's digital landscape, the protection of data is crucial. We've incorporated a robust authentication mechanism to help ensure that messages remain private and secure. Users can trust our platform to keep their communications safe from unauthorized access.
- **Efficient Message Management:** Beyond just sending messages, we've introduced features for users to organize and review their past communications. This allows for easy retrieval of past messages, making sure no communication is ever missed or overlooked.
- **Mood Tracking:** In recognizing the value of emotional context in communication, our mood tracking feature offers users an added layer of expressiveness. It's a simple yet effective way to give messages a personal touch, helping recipients understand the emotion behind the words.

### **System Input(s) and Output(s):**

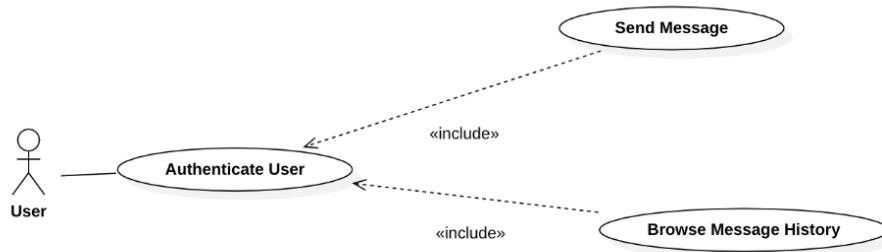
#### **Inputs:**

- **User Credentials:** Users provide their Account Number (account no) and Password (password) for secure access. Only when the password is set as 123 can the login be successful, and then an unlimited number of account numbers are supported.
- **Message Details:** Users specify the Receiver (name of receptionist) and Message Content (message content).
- **Customizations:** Users can select the Day (day, only 1 selection) and Mood (mood, max 5 selections) for each message.

#### **Outputs:**

- **Authentication Feedback:** Post-login attempt, users successfully see the next window and be able to send message and view message history
- **Message History:** Users can view their past messages chronologically.

# Message Sender Application



UC Reference Name:	Overview	Related use cases	Actors
Authenticate Users (UC001)	A crucial security measure to ensure that only users with the correct password (123) can access the system and its functionalities..	Send Message, Browse Message History	User
Send Message (UC002)	Post authentication, users can convey information seamlessly, ensuring timely communication within the system. They can enter the name of the receptionist,	Authenticate User	User

	message content, day, and their mood.		
Browse Message History (UC003)	A user-friendly feature enabling users to revisit previous interactions, aiding memory and helping to keep track of important communications.	Authenticate User	User

### Conclusion:

The "Message Sender" application represents a messaging platform that fosters meaningful, perceptive, and emotionally resonant communication. The insights derived from the use case analysis, sequence diagrams, and class diagrams allow us to harness the power of thoughtful design in order to facilitate the optimal implementation of our software. This approach ensures that we not only create an application rich in features, but also a well-structured and seamlessly functional solution that caters to the diverse needs of our users.