**INDIVIDUAL ROLE DOCUMENT**

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***Problem Statement:***

The organization requires an internal chat platform that is secure, user-friendly, and efficient, enabling real-time messaging and collaboration among employees. The platform should support private messaging, broadcasting messages to all users, and automated email notifications for new user additions. The current communication system lacks effectiveness, resulting in delays in information sharing, missed collaboration opportunities, and a lack of transparency. To address these challenges and ensure data security, the organization seeks to develop a comprehensive chat platform owned and controlled internally, utilizing a cloud-based database for secure message storage.

***Contribution:***

I have successfully integrated Simple Notification Service (SNS) in the application. Whenever an user logins to the application and their details are stored in the User Table, a Lambda functions is triggered which sends a mail to the user asking to subscribe to the SNS, so the next time a user is added the existing users get an email with the new user’s ID and their email address which will be used later to send them private messages.