Sofware Engineering Lab

Hermes (Chat Application)

Team Members

- Ashutosh Anand (191CS111)
- Sudarshan Sundarrajan (191CS255)
- Lakshmi Aashish Prateek Janaswamy (191CS225)
- Alan Tony (191CS207)

1. Introduction

Building a highly scalable chat application available to many users around the world.

1. **Purpose**: The purpose of the application is to help connect many people to create an online virtual community to share ideas, work or for casual purposes. It is a collaboration platform where individuals or different teams within an organization can discuss, and share ideas. It offers a means to create a productive environment for professionals, and at the same time, it can also be utilized as an application for a casual conversation among individuals/groups.

2. **Intended Audience**: This application is aimed to cater to company employees, friends and family groups, and individuals.

3. **Scope**: The Software product to be developed is a chat application that shall essentially provide services such as an environment that a team/group of individuals/employees/peers can utilise to have formal or informal conversations This application aims to make collaboration and interaction between individuals/employees/peers hassle free and as interactive as possible to simulate a work/casual environment due to the advent of the era of COVID-19.

4. **Features Planned**: The features planned are

   - Channels
   - Text & voice chat
   - Roles & privileges
   - Task management & Event scheduling

2. System Features and Requirements

1. **Functional Requirements**: The functional requirements are

   - Landing page
   - Individual chats
   - Security Authentication
   - Virtual community features (channels)
   - Event scheduler
   - Creating and Joining voice calls

2. **External Interface Requirements**: For Laptop/PC users, navigation and item selection can be done using combinations of mouse and keyboard. For smartphone/tablet users the application would support hardware as well as virtual keyboard for text input, and touch input for item selection.