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**CSC32200: Team E**

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**Mini Twitter  
Software Requirements Specification  
For Development**

**Version 1.0**

Mimi Twitter	Version: 1.0
Software Requirements Specification	Date: 10/24/23

## Revision History

Date	Version	Description	Author
10/24/23	1.0	phase 1 report for mini twitter	Maoxi Xu Zhuowen zhong Gaoqiang Zhou

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Team B

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# Software Requirements Specification

## 1. Introduction

### 1.1 Purpose

The purpose of the MiniTwitter application is to provide users with a simplified and efficient platform for microblogging and social interaction. This application is designed to enable users to share short text-based posts, follow other users, engage in real-time conversations, and discover trending topics.

### 1.2 Scope

The software application is a prototype for a social system where users will be allowed to post posts, dislike or like the posts, and comment on other people's posts. In the application, we will have five types of users that will interact differently with the program, these are: Super-user, corporate-user, trendy-user, ordinary-user, and surfer.

### 1.3 Definitions, Acronyms, and Abbreviations

Super-user (SU): who can warn/add/delete any users and/or messages

Corporate-user (CU): who can post ads and job openings

Trendy-user (TU): the subset of ordinary users who were a) subscribed by >10 users, and b) received >\$100 tips or #likes #dislikes> 10, and c) author of at least 2 trendy messages

Ordinary-user (OU): besides having all features for a surfer, who can post/delete, comment, tip, like/dislike, complain, follow messages, and subscribe other users;

Surfer: who can only view/search the messages and report/complain to the super-user about the misinformation

### 1.4 References

requirements for mini twitter

template for report 1

### 1.5 Overview

The following Software Requirements Specification document will demonstrate the use case model, Assumptions and Dependencies and Supplementary Requirement.

## 2. Overall Description

### 2.1 Use-Case Model Survey

#### 1. User Registration:

Description: Surfers can apply to become ordinary or corporate users. Super-User approves or denies applications.

#### 2. Profile Management:

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Description: TU/OU can create and manage their profiles. Profiles are subject to moderation and warnings for misinformation.

### 3. Messaging:

Description: TU/OU can post messages. Messages >20 words are billed automatically.

### 4. User Interaction:

Description: TU/OU can like, dislike, tip, comment, and follow other users' messages.

### 5. Content Moderation:

Description: Messages containing taboo words are censored. Misinformation warnings are issued, and users can dispute them.

### Use-Case Relationships:

User Registration triggers Profile Management for new users.

Messaging interacts with Content Moderation for censorship and billing.

User Interaction includes liking, disliking, tipping, commenting, and following within the messaging context.

## 2.2 Assumptions and Dependencies

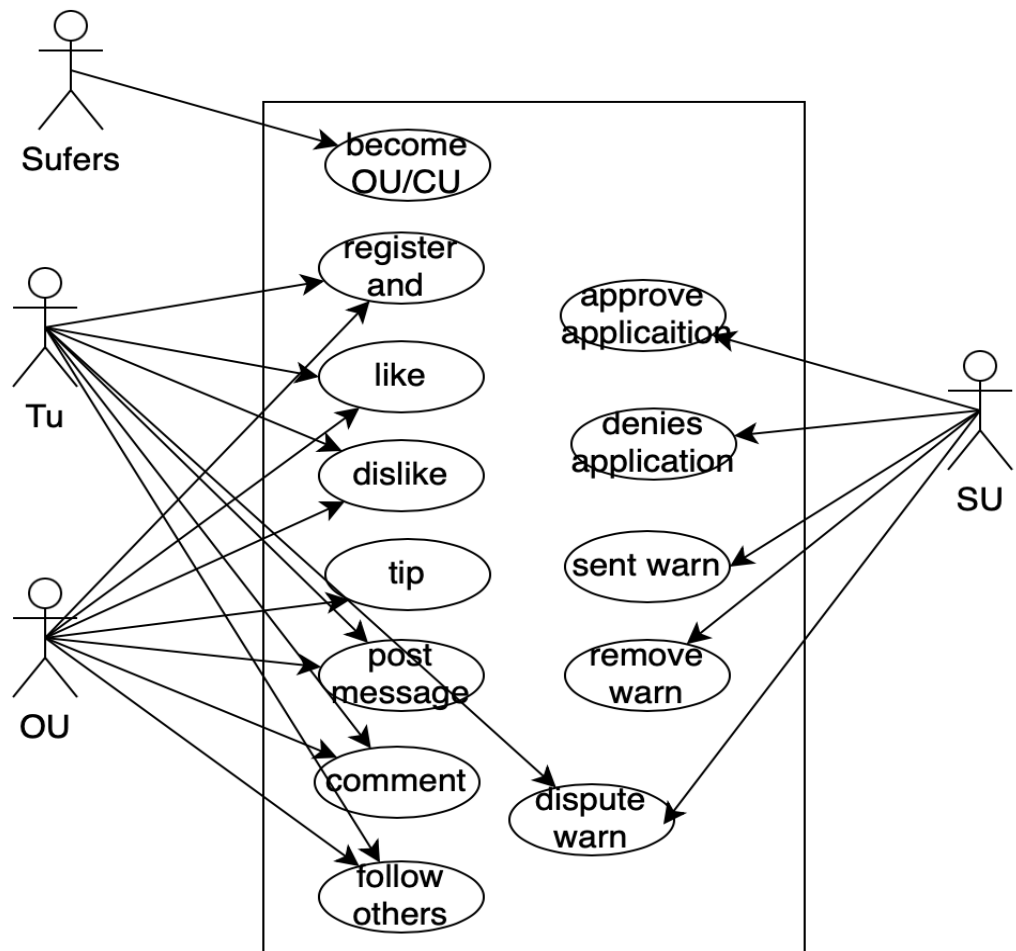
Assumption: Accurate and detailed user engagement data, including likes, dislikes, tips, follows.

Dependencies: Regarding our project, we assume that we need to use a database to record the user's personal information data. In this system, a considerable part of the function is adding, modifying, deleting and querying data, we can consider using the database operation function

## 3. Specific Requirements

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### 3.1 Use-Case Reports



### 3.2 Supplementary Requirements

Requirements: User data, including personal information and interaction history, must be stored securely  
Reason: Protect user privacy

## 4. Supporting Information