

## **5.a. Functional Requirements for utdClubs:**

### **1. User Account Management:**

System will allow users to create and manage their accounts. This includes:

- Registering with an email and password
- Editing their profile information (like major, year, interests, social media links)
- Deleting their account

### **2. Event Creation and Management:**

System will allow CLUB accounts to create and manage events. This includes:

- Setting event details (title, description, date, time, location, tags, dietary restrictions)
- Editing existing events
- Deleting events

### **3. Event Search and Filtering:**

System will allow users to search for events based on keywords, tags, date, time, location, and dietary restrictions

### **4. Event Recommendation:**

System will recommend events to users based on their interests and past event attendance

### **5. Messaging:**

System will allow users to send and receive messages to and from other users and CLUB organizers

## **5.b. Non-Functional Requirements for utdClubs:**

### **1. Product Requirements:**

Performance: App shall load the "for you" landing page with new and popular events within an average of 2 seconds

Reliability: App shall have an uptime of 99.5% during peak hours which would be weekdays between 10am and 4pm

Availability: App shall be available on all platforms (iOS, Android, Web)

Security: App shall use secure user authentication and data encryption to protect user info

Maintainability: App shall be designed in an iterative and modular way to allow for easy maintenance and updates

Portability: App shall be designed to be easily ported to other university campuses, without needing a major change in the framework

## **2. Organizational Requirements:**

Standard Compliance: App shall comply with UTD's IT security policies and accessibility standards

Development Process: App shall be developed using an iterative process to systematically add features. This will allow us to quickly put up our MVP.

## **3. External Requirements:**

Interoperability: App shall be able to integrate with existing UTD systems, like the campus map and event calendar

Privacy: App shall comply with all applicable privacy laws and regulations, including FERPA

Ethical Considerations: App shall be designed to promote inclusivity and diversity, and to avoid bias in event recommendations.

## **Assumptions:**

When developing the app, we might need to make assumptions about some external factors, like the availability of APIs for existing UTD systems.