XingQiao

Vision

Version 1.2

Revision History

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| --- | --- | --- | --- |
| **Table** | **Version** | **Description** | **Member** |
| <06/03/2023> | 1.0 | Initial Draft | Vahagn Ghazaryan |
| <13/03/2023> | 1.1 | Added parts 5-10 | Simon Krkyasharyan  Shuen Lin Yeon |
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Vision

# Introduction

## Purpose

The purpose of this document is to define the high-level requirements of the XinQiao event management platform in terms of the needs of the end users.

## Scope

This Vision Document applies to the Xinqiao event management platform, which will be developed by Group 11 as part of <Software Engineering Principles and Practice> course.

The Xinqiao event management platform aims to provide a centralized platform where students, teachers, and organizations can create, browse, join, and manage academic and social events in campus.

## Definitions, Acronyms and Abbreviations

See the Glossary [5].

## References

Applicable references are:

1. UM-SJTU JOINT INSTITUTE website- https://www.ji.sjtu.edu.cn/event/?frm-page-57000=1
2. SHANGHAI JIAO TONG UNIVERSITY website - https://en.sjtu.edu.cn/events

# Positioning

## Business Opportunity

In our educational institution, there is a need for a comprehensive platform to manage campus events. This system will enhance communication and increase engagement within the campus community.

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Lack of centralized platform for students to create and promote events |
| affects | Local and foreign students |
| The impact of which is | Foreign students often struggle to integrate into their new communities when studying abroad, due to a lack of connections and social opportunities. Meanwhile, local students may miss out on opportunities to meet and learn from international students. |
| A successful solution would | Improved student involvement and collaboration, increase integration and engagement of foreign students, improve the image of the SJTU, attract more international students, and help local students to interact with different cultures. |

## Product Position Statement

|  |  |
| --- | --- |
| For | SJTU students, teachers, campus administrators and event organizers |
| Who | need a comprehensive and user-friendly event management platform |
| Xinqiao event management platform | Is a website |
| That | Enables easily create social and academic events |
| Unlike | The existing platforms [1] |
| Our product | Focuses more on connecting international and local students, Gives opportunity to all students to create their own events |

# Stakeholder and User Descriptions

## Market Demographics

Our platform is targeted at the student demographic, with a focus on promoting cross-cultural exchange and community-building among students from different backgrounds.

The market demographics of Xinqiao event management platform include the following:

* Local and foreign students studying at SJTU
* College administration and teachers
* Event organizers and student organizations looking to promote their events

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Represents** | **Role** |
| Student | Local and Foreign Students | Ensures that the system will meet the needs of students. |
| Teacher | Teachers, TAs, college administration members | Ensures that the system will meet the needs of the Teachers. |
| Organization | Event organizers, student organizations, social groups | Ensures that the system will meet the needs of the Organization. |

## User Summary

|  |  |  |
| --- | --- | --- |
| Name | Description | Stakeholder |
| Student | The primary users of the platform who would use it to find and participate in events, connect with other students, create and promote their own events. | self-represented |
| Teacher | Teachers, which include professors and teaching assistants, have the same capabilities as students but with additional privileges. For instance they can approve or reject event proposals or to moderate feedback to ensure it is appropriate and constructive. | self-represented |
| Organization | Organizations represent social groups, school administrative branches, and other official or unofficial bodies within the campus. Like students and teachers, they can create, update, and delete events. Unique to organizations, they can sell tickets for their events if needed. | self-represented |

## Key Stakeholder/User Needs

## 

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Need | Priority | | Concerns | Current Solution | Proposed Solutions |
| Finding relevant events | High | | Finding relevant events forl students are difficult | The academic and social events in SJTU are organized by academic centers. Events are shared via academic centerss official Wechat/QQ channels. Tracking all of this channels is time consuming and difficult for students, so we need one a centralized platform to combine all events together. | Students can easily find events that match their interests and needs. The platform have a user-friendly search function that allows students to filter events by categories, location, date, and other criteria. |
| Creating events | | Medium | There is no centralized platform to create and share own events for students. | Students can share their events in different QQ/Wechat chats, which is not continent and targeted. | Students can easily create and promote their own events on the platform. This includes setting event details such as date, time, location, description, and categories, and inviting other users to attend the event. | |
| Getting feedback on events | | Low | There is no feedback mechanism existing now to rate the event and event organizer | None | Students can provide feedback on events they attend, and to see feedback from other users. This will help them to make informed decisions about which events to attend in the future, and to improve the quality of events on the platform. | |

## Alternatives and Competition

UM-SJTU Joint University has events web page in their website, but there are only academic activities created by teachers. SJTU’s website has the event web-page which is not implemented yet. We are creating one centralized platform to combine all events together and give opportunities for students to create their own events, connect each other and give feedback.

# Product Overview

This section provides a high level view of the Xinqiao event management platform’s capabilities.

## Product Perspective

XingQiao event management platform is intended to achieve several goals, such as foster greater integration between local and foreign students, facilitate event creation and management, improve event discoverability by providing search and filter functionality, event recommendations, create an engaging user experience, and provide a safe and secure environment, with authentication, encryption, and moderation tools to ensure a safe and respectful online environment.

## Summary of Capabilities

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|  |  |
| --- | --- |
| Customer Benefit | Supporting Features |
| Easy event creation and management | Event creation tool with customizable fields for event details such as title, description, location, date/time, and target audience; attendee management system; messaging and notification features |
| Discoverability of events | Search and filter functionality for events by location, interest area, date, and other relevant criteria; event recommendations based on user preferences; integration with other platforms such as social media |
| Engaging user experience | Discussion forums and chat rooms; social media integration; ability to save and follow events and other users; user feedback and ratings |
| Safe and secure environment | Robust security measures such as user authentication, encryption, and privacy settings; moderation tools for user-generated content; reporting and flagging system for inappropriate behavior |

# 4.3 Assumptions and Dependencies

Implementation and publication of the XingQiao event management platform is due to the mid of June, 2023.

# Product Features

**5.1 Event creation**

This feature would allow users to create their own events and share them with the community. They would be able to provide event details such as the date, time, location, and theme, as well as any additional information such as whether food or drinks will be provided. The event creator would also have the ability to choose who can see and RSVP to the event, such as only local students or international students.

**5.2 Event discovery**

This feature would allow users to browse and discover events that other users have created. They would be able to filter events by different categories such as location, theme, date, and type of event (e.g. social, cultural, educational). Once they find an event that interests them, they would be able to view more details and RSVP if they choose to attend.

**5.3 RSVP and attendee management**

RSVP stands for "Répondez s'il vous plaît," which is a French phrase that means "please respond." In the context of event management, it refers to the process of confirming whether or not you will be attending an event.

Users can RSVP to events they are interested in attending, and event supervisors can manage attendees by sending updates and notifications, checking in attendees, and monitoring attendance data.

**5.4 Feedback and ratings**

Users can give feedback and ratings on events they have attended, providing valuable insights for future events and helping to improve the quality of the platform.

# Constraints

The platform shall not require expensive computing and storage resources.

Support >100 users, response time does not exceed 3 seconds.

Tight timing

# Quality Ranges

This section defines the quality ranges for performance, robustness, fault tolerance, usability, and similar characteristics for the XingQiao event management center.

Availability: The System shall be available 24 hours a day, 7 days a week.

Usability: The System shall be easy-to-use and shall be appropriate for the target market of computer-literate students and professors.

Maintainability: The System shall be designed for ease of maintenance. All event data should be table-driven and modifiable without recompilation of the whole database.

**8 Precedence and Priority**

This section provides some direction on the relative importance of the proposed system features. The features defined in this Vision Document should be included in the first 2 releases of the platform. All features critical to the platform are planned for the first release.

Release 1 must contain as a minimum the basic functionality as listed below:

* Login, Logout, Register
* Create event
* Search and view Events

Release 2 should include:

* Share event
* Rate and feedback

**9 Other Product Requirements**

None

**10 Documentation Requirements**

**10.1 User Manual**

The User Manual shall describe use of the platfrom from the students', supervisor’s, and admin’s view point. The User Manual shall include:

* Minimum Platform Requirements
* Logging On
* Logging Off
* All Platform Features

**10.2 On-line Help**

Online Help shall be available to the user for each system function. Each topic covered in the User Manual shall also be available through the online help.

**10.3 Installation Guides, Configuration, Read Me File**

The Installation Guide for the server portion shall include:

* Minimum Platform Requirements
* Installation Instructions

The Read Me File shall be available for display following installation. The Read Me File will also reside on disk and be available for viewing at any time by the user. The Read Me File shall include:

- New release features

- Known bugs and workarounds.