

SmartUIU

Vision

We are building a single digital platform that brings everything UIU students need into one place whether it's academics, social connections or personal services to make campus life simpler and more enjoyable.

Mission

Our goal is to create a secure and easy-to-use platform that helps UIU students connect, work together more effectively, and handle their daily campus activities smoothly with the help of innovative features.

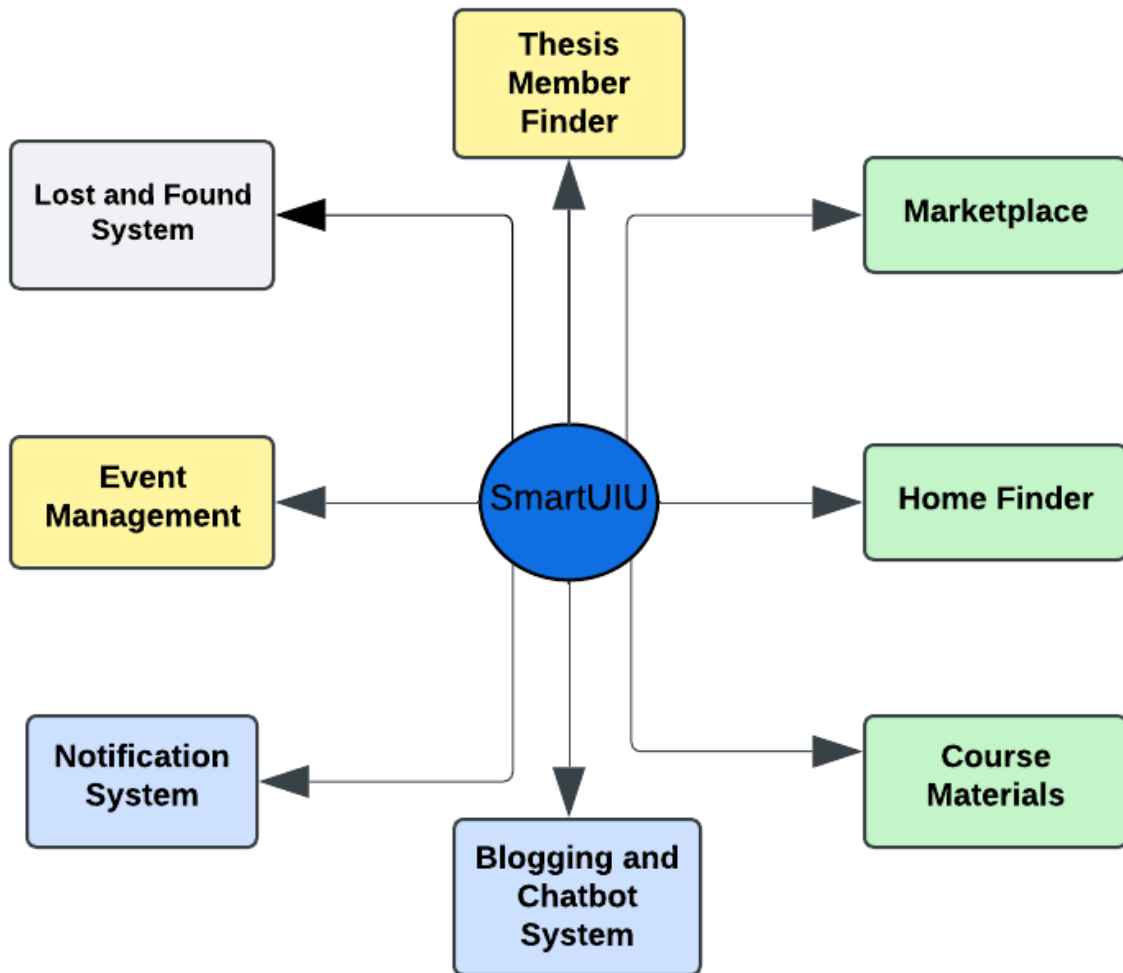
Purpose

We want to close the gaps in how UIU students communicate, stay organized, and share resources. Our platform will provide tools tailored to their needs, like managing events, working together on academic projects, and making daily tasks more convenient.

Scope of Work (Deliverables)

1. **Lost and Found System:** A feature that helps users report and recover lost belongings easily.
2. **Thesis Member Finder:** A platform designed to connect students looking for partners to collaborate on academic projects.
3. **Marketplace:** A convenient space for buying, selling, or exchanging items within the community.
4. **Event Management:** Tools that make it simple to organize campus events or participate in them.
5. **Home Finder:** A service that assists users in finding nearby accommodations.
6. **Notification System:** Stay updated with real-time alerts and reminders about important activities.
7. **Blogging and Chatbot System:** Share insights through blogs and get instant assistance with common queries via an integrated chatbot.

Diagram:



Functional Grouping Examples:

- **Communication Systems:** Blogging and Chatbot System, Notification System → **light blue**.
- **Resource Sharing/Discovery:** Marketplace, Course Materials, Home Finder → **light green**.
- **Event and Collaboration Systems:** Event Management, Thesis Member Finder → **light yellow**.
- Lost and Found System → **light gray**

Functional Requirements

1. **User Authentication:** Secure login for students.
2. **Lost and Found Posting:** Ability to post lost/found items with descriptions.
3. **Thesis Partner Search:** Advanced filters to find suitable partners.
4. **Marketplace Management:** Post, edit, and negotiate on item listings.
5. **Event Creation:** Create events and allow others to join events.
6. **Notification System:** Push notifications for updates.
7. **Profile Management:** Edit personal information and track platform activity.

Non-Functional Requirements

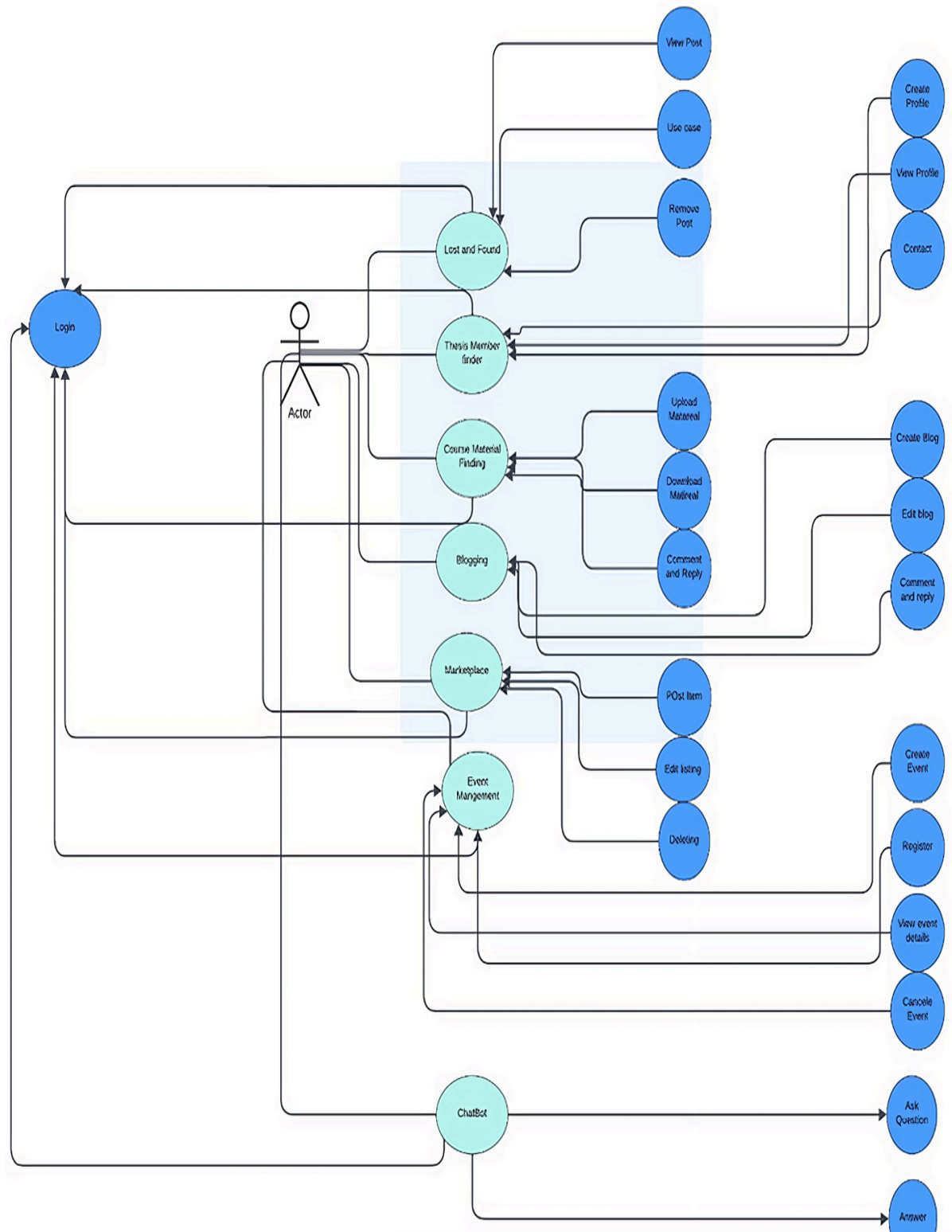
1. **Scalability:** Ability to handle an increasing number of users and data.
2. **Usability:** Intuitive, responsive design suitable for web and mobile.
3. **Security:** Data encryption and secure login processes.
4. **Performance:** Fast response time for user interactions and queries.
5. **Maintainability:** Code structure that allows for easy updates and feature additions.
6. **Accessibility:** Compliance with accessibility standards for diverse users.

Use Case:

Use case shape key

- Actor
- Use case
- Use case extension
- System

Use case shape bank



Descriptive form of Use Case Diagram:

Blogging and Chatbot System

Create Blog: Student creates a blog post.

Edit Blog: Student edits an existing blog post.

Delete Blog: Student deletes a blog post.

Comment: Student comments on a blog post.

Reply: Student replies to a comment.

Chatbot: Students get instant assistance with common queries via an integrated chatbot.

Course Materials

Upload Materials: Student uploads course materials.

Download Materials: Students download course materials.

Comment: Student comments on shared materials.

Delete Materials: Students delete their own uploaded materials.

Lost and Found

Post Item: Student posts lost or found items.

View Items: Student or Admin views posted items.

Claim Item: Student claims a lost item.

Remove Post: Student removes a post after claiming or resolving.

Marketplace

Post Item: Student posts an item for sale.

Edit Listing: Student edits a listing.

Delete Listing: Student deletes a listing.

View Items: Student views items for sale.

Contact Seller: Student contacts a seller to purchase an item.

Event Management

Create Event: Student or Admin creates an event.

Register for Event: Student registers for an event.

View Event Details: Student views event details and attendees.

Cancel Event: Admin or Event Organizer cancels an event.

Thesis Member Finder

Create Profile: Students create a profile indicating their interests and availability.

View Profiles: Students view other students' profiles.

Contact: Student contacts another student to discuss collaboration.