System Requirement Specification

TEAM MEMBERS

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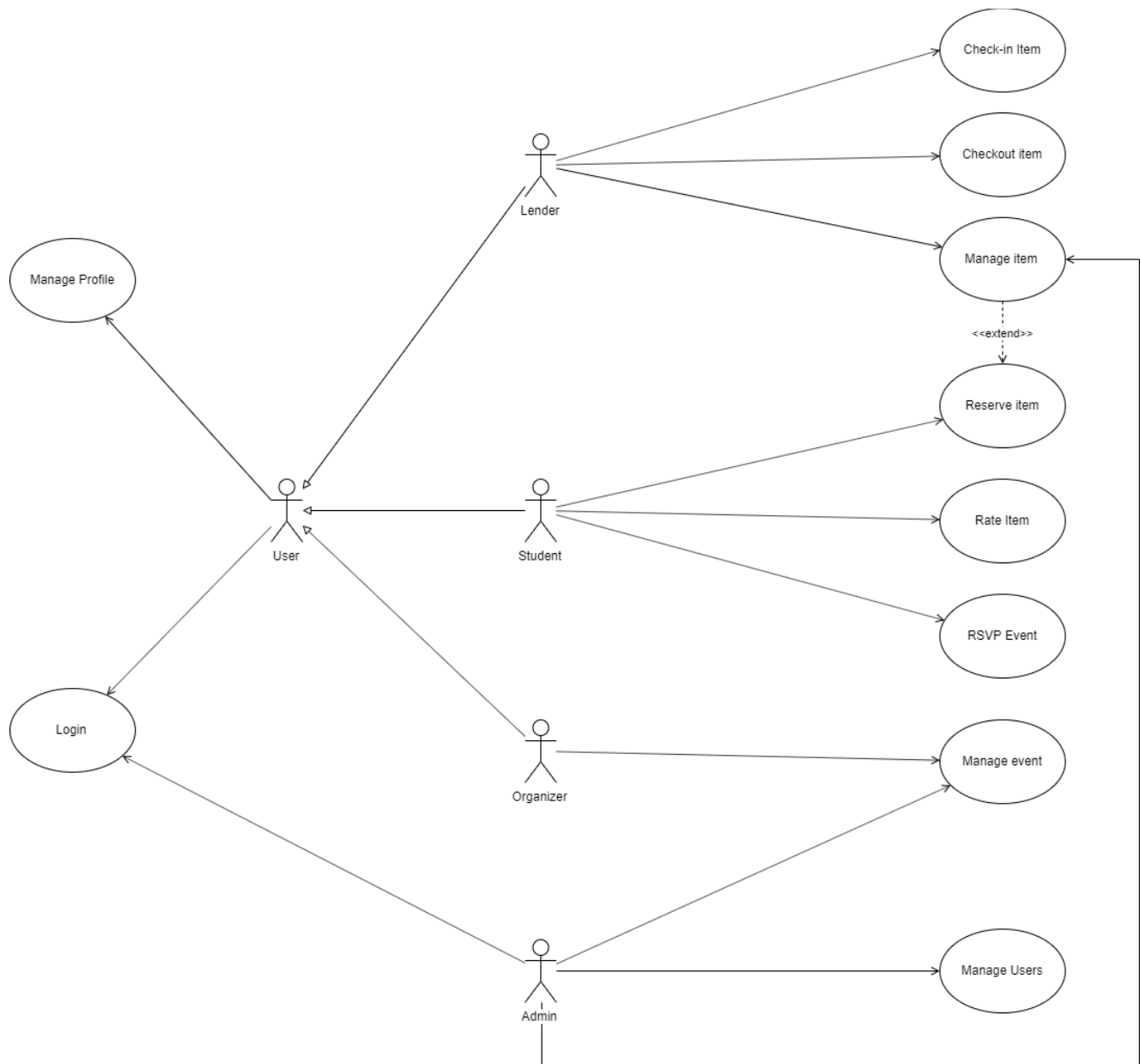
Contents

1. Use Case Diagram

2. Use Case Description

Use Case Number: 1	
Name	Reserve Item
Brief description	This use case allows the student to reserve an item.
Actors	Student

Preconditions	
The student must be logged in.	
The item must be available.	

Flows of Events

1. Basic Flows

1.1 Reserve item

Step	User Actions	System Actions
1	The student selects the type of item he/she wants.	The system displays the available items of the specified type.
2	The student selects one of the items displayed.	The system displays the item details.
3	The student requests the reservation.	The system displays a confirmation screen.
4	The student accepts.	The system displays a success message.

Post Conditions

A new reservation record will be created.
The item status will change to reserved.

Business Rule

A Student cannot reserve two items at the same time.

Use Case Number: 2

Name	Checkout Item
Brief description	This use case allows the lenders to register a checkout operation.
Actors	Lender

Preconditions

The lender must be logged in to the system and the item must be reserved upfront.

Flows of Events

1. Basic Flows

1.1 Checkout reserved item

Step	User Actions	System Actions
1	The lender selects the "View reservations" option.	The system displays the reservations.
2	The lender searches for the reservation.	The system displays the reservation details.
3	The lender checks out the item.	The system displays a confirmation screen.
4	The lender accepts.	The system displays a success message.

Post Conditions

The reservation record will be removed.

The item status will change to checked out.

Business Rule

A Student cannot checkout two items at the same time.

Use Case Number: 3	
Name	Rate Item
Brief description	This use case provides a functionality for rating rented items.
Actors	Student

Preconditions

The student must be logged in to the system.

Flows of Events

Basic Flows

Step	User Actions	System Actions
1	The student selects an item.	The system displays the item's description.
2	The student rates the item along with an optional comment.	The system displays a success message.

Post Conditions

The rating information is persisted in the database.

Business Rule

A Student cannot rate the same item twice.

Use Case Number: 4	
Name	RSVP Event
Brief description	This use case provides a functionality for RSVPing Events.
Actors	Student

Preconditions

The student must be logged in to the system.

Flows of Events

1. Basic Flows

1.1 Interested RSVP

Step	User Actions	System Actions
1	The student selects an event.	The system displays the event's description.
2	The student selects the interested option.	The system displays a success message.

Post Conditions

The interested option is persisted in the database.

Business Rule

A Student cannot RSVP twice for the same event.

1.2 Going RSVP

Step	User Actions	System Actions
1	The student selects an event.	The system displays the event's description.
2	The student selects the going option.	The system displays a success message.

Post Conditions

The going option is persisted in the database.

Business Rule

A Student cannot RSVP twice for the same event.

3. Glossary

Term	Definition
Admin	A person who manages the entire system.
Lender	A person at the Recreation Center that manages Item rentals.
Organizer	A person responsible for creating and managing events.
Student	A person that learns in MUM.
Event	An activity that is organized and performed.
Item	A property of the Recreation Center that is up for rentals (Bike, Kayak and so on)
RSVP	A response to the invitation of an event.
MUM	Maharishi University of Management