

designing a use case diagram for a shopping mall mobile application for renting out spaces like shops, supermarkets, gaming arenas, etc., involves identifying the actors interacting with the system and the various use cases they participate in. Here's a step-by-step guide to help you create the use case diagram:

Identify Actors:

Customer: Represents users who are looking to rent spaces within the shopping mall.

Admin/Management: Represents the administrators or management staff responsible for managing the rental process and maintaining the application.

Identify Use Cases:

Browse Available Spaces:

Allows customers to view the available spaces for rent.

View Space Details: Enables customers to see detailed information about each space, including size, location, amenities, and pricing.

Reserve Space: Allows customers to reserve a space for a specific duration (e.g., weekly, weekdays, public holidays).

Cancel Reservation: Allows customers to cancel their space reservation if needed.

Manage Reservation: Allows customers to modify their existing reservations.

Manage Space Listings: Enables admins to add, update, or remove space listings.

Manage Space Availability: Allows admins to mark spaces as available or unavailable for rent based on occupancy or maintenance.

Manage Pricing: Enables admins to set and update rental rates for different types of spaces and durations.

Generate Reports: Allows admins to generate reports on space occupancy, revenue, etc.

Place the actors on the left side of the diagram.

Connect each actor with the relevant use cases using lines with arrows pointing towards the use cases.

Use ovals to represent use cases.

You can include generalization relationships if there are different types of users or administrators with varying levels of access.

Include Relationships:

Customer ----- Browse Available Spaces

\---- View Space Details

\---- Reserve Space

\---- Cancel Reservation

\---- Manage Reservation

Admin/Management ----- Manage Space Listings

\---- Manage Space Availability

\---- Manage Pricing

\---- Generate Reports













