



Booth Management System

Booth Management



Introduction to Software Engineering



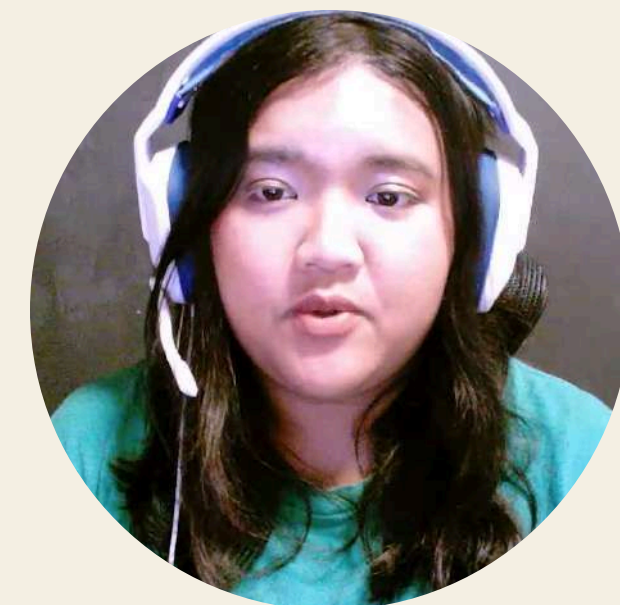


Booth Management System

At **Booth Management System (BMS)**, our mission is to simplify the process of managing and booking exhibition booths for events like trade shows, fairs, and markets. We provide an intuitive platform that caters to the needs of vendors, booth managers, and event organizers, ensuring a smooth experience for all users.



About Us





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**Booth
Management**

The main mechanism



The main mechanism

Business
Marketing



**Booth
Management
System**



User



**System
capabilities**

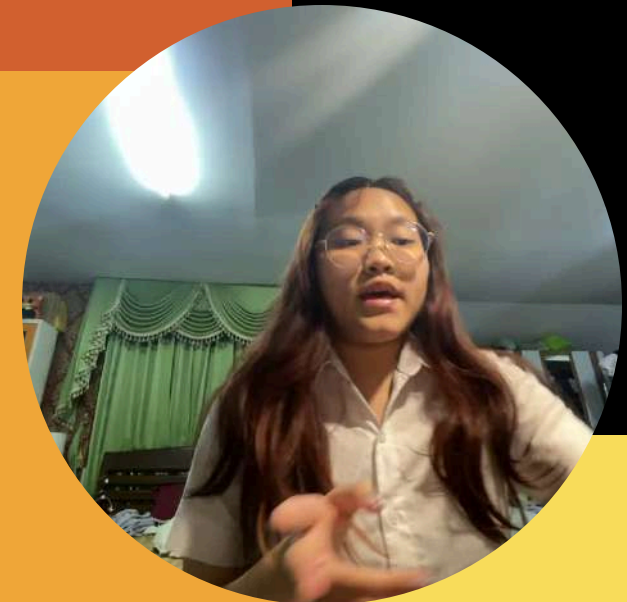




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**Booth
Management**

Functional Requirements





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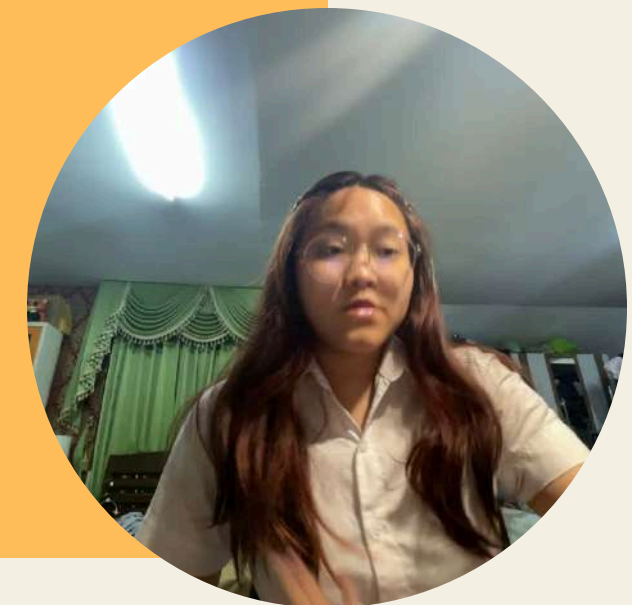
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General User



R1 : The system shall enable users to view a list of available booths.

R2 : The system shall allow users to submit a booking request for a booth.





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Booth Manager

R1: The system shall allow booth managers to approve or reject booking requests.

R2: The system shall send notifications to booth managers when a new booking request is submitted.

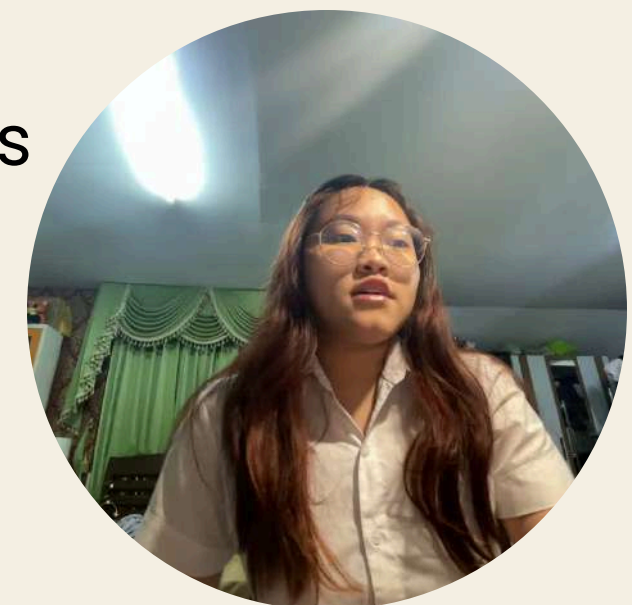




Event Organizer

R1 : The system shall provide event organizers with a dashboard to monitor booth bookings and user activity.

R2 : The system shall allow event organizers to send announcements and updates to booth managers and registered users.





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Payment Gateway

R1: The payment gateway shall send transaction confirmation details to the user upon successful payment, including the transaction ID, amount paid, and payment method used.

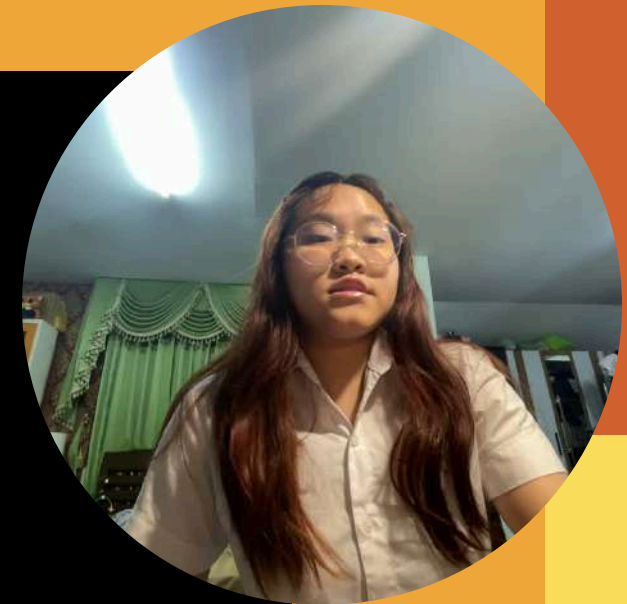


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Non-functional Requirements





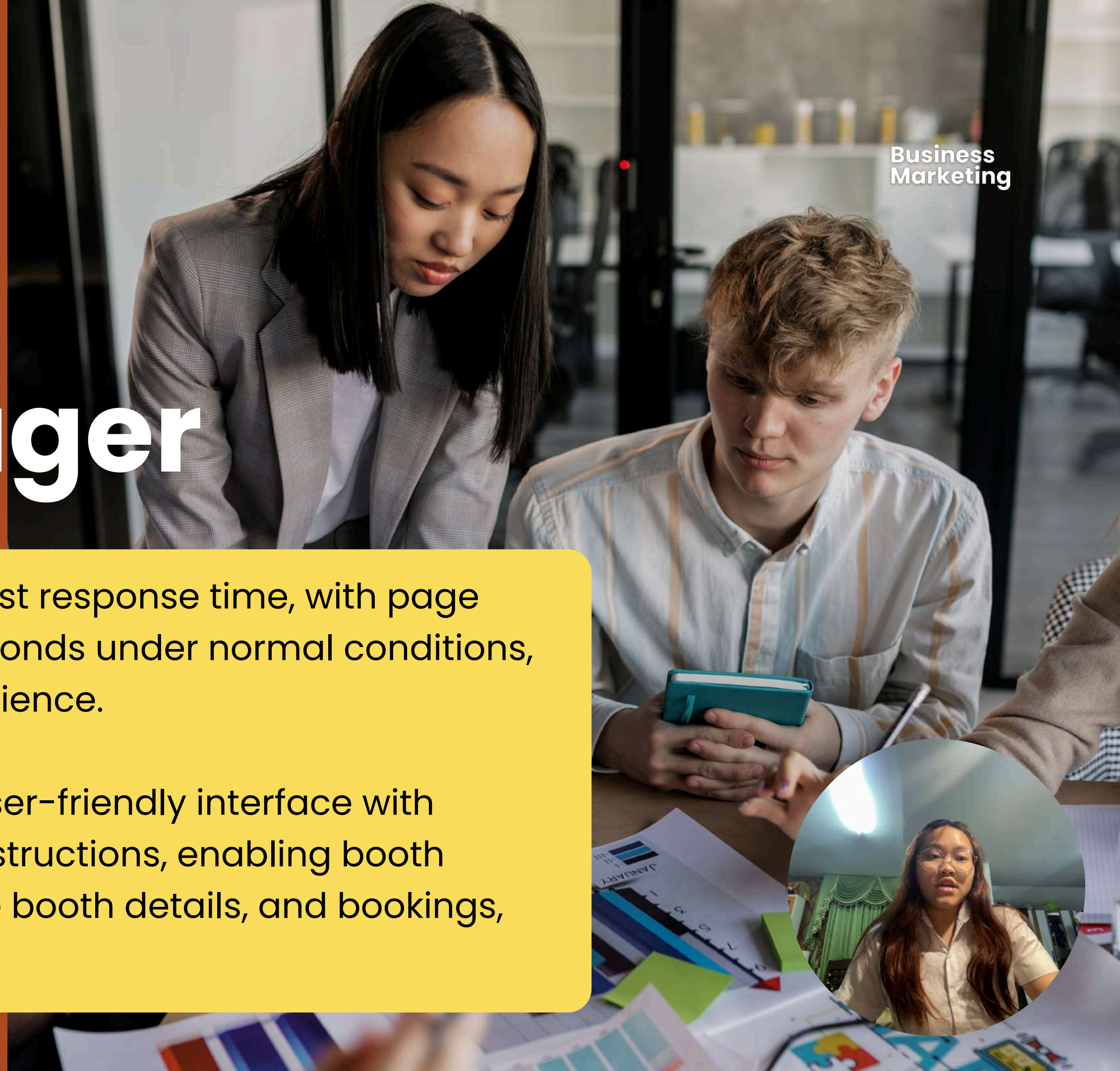
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User & Booth manager

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R1: The system should have a fast response time, with page loads taking no more than 2 seconds under normal conditions, to ensure a seamless user experience.

R2: The system should offer a user-friendly interface with intuitive navigation and clear instructions, enabling booth managers to efficiently manage booth details, and bookings, and generate reports.





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Identifying Actors





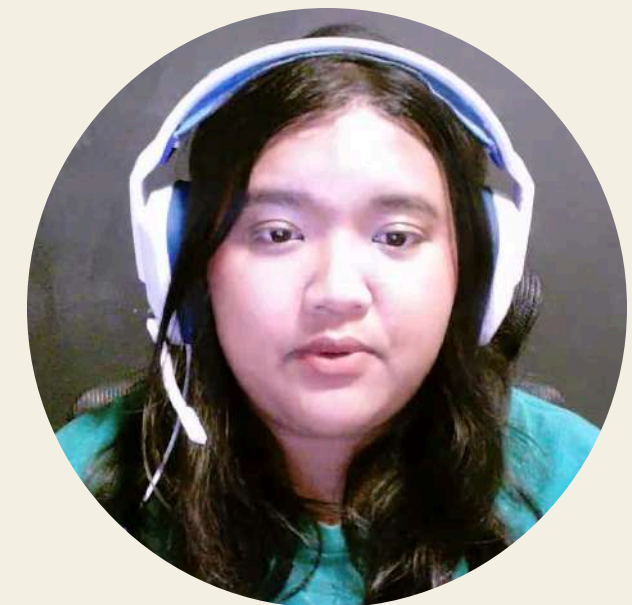
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Vendor/ User

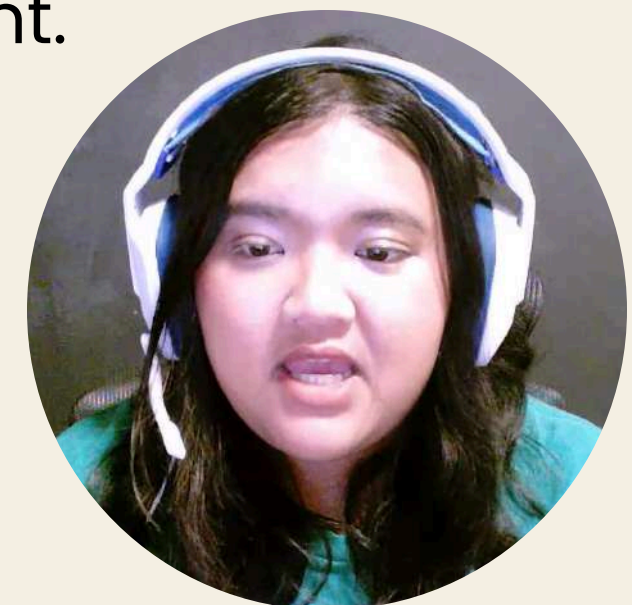
The Vendor or User is an individual or business entity looking to participate in an event by booking a booth.





Booth Manager

The Booth Manager is responsible for overseeing the availability and booking of booths at the event.





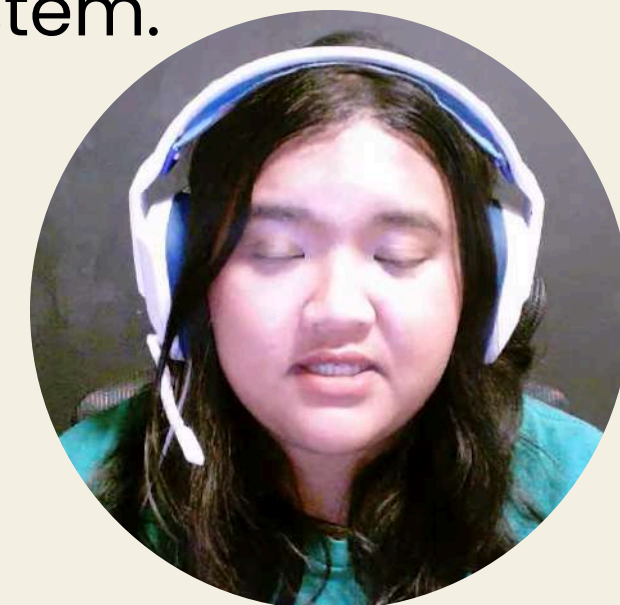
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The Event Organizer

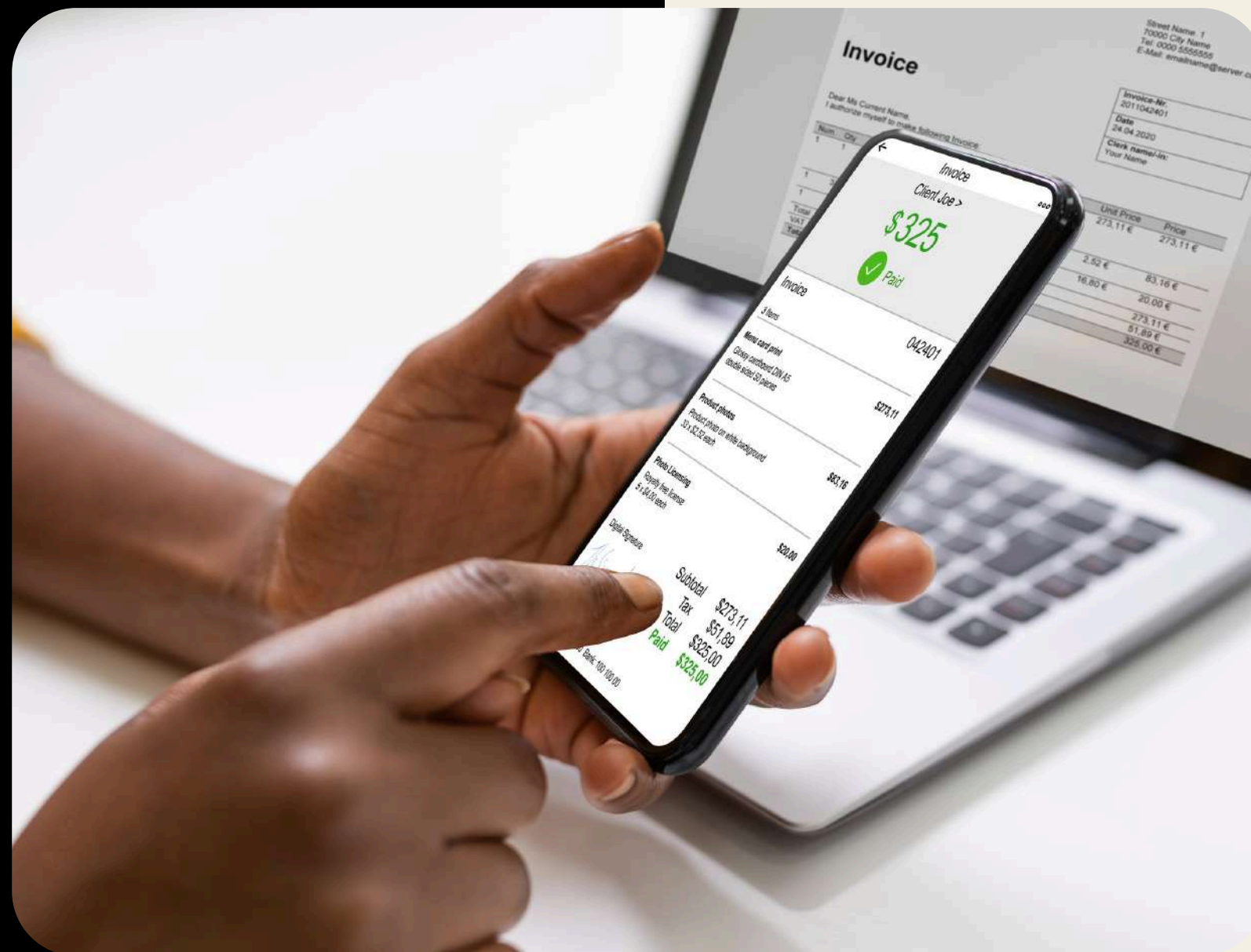
The Event Organizer oversees the entire event, including the management of the Booth Management System.





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Payment Gateway

The Payment Gateway facilitates secure and efficient online transactions, acting as the intermediary between the system and financial institutions for processing payments.





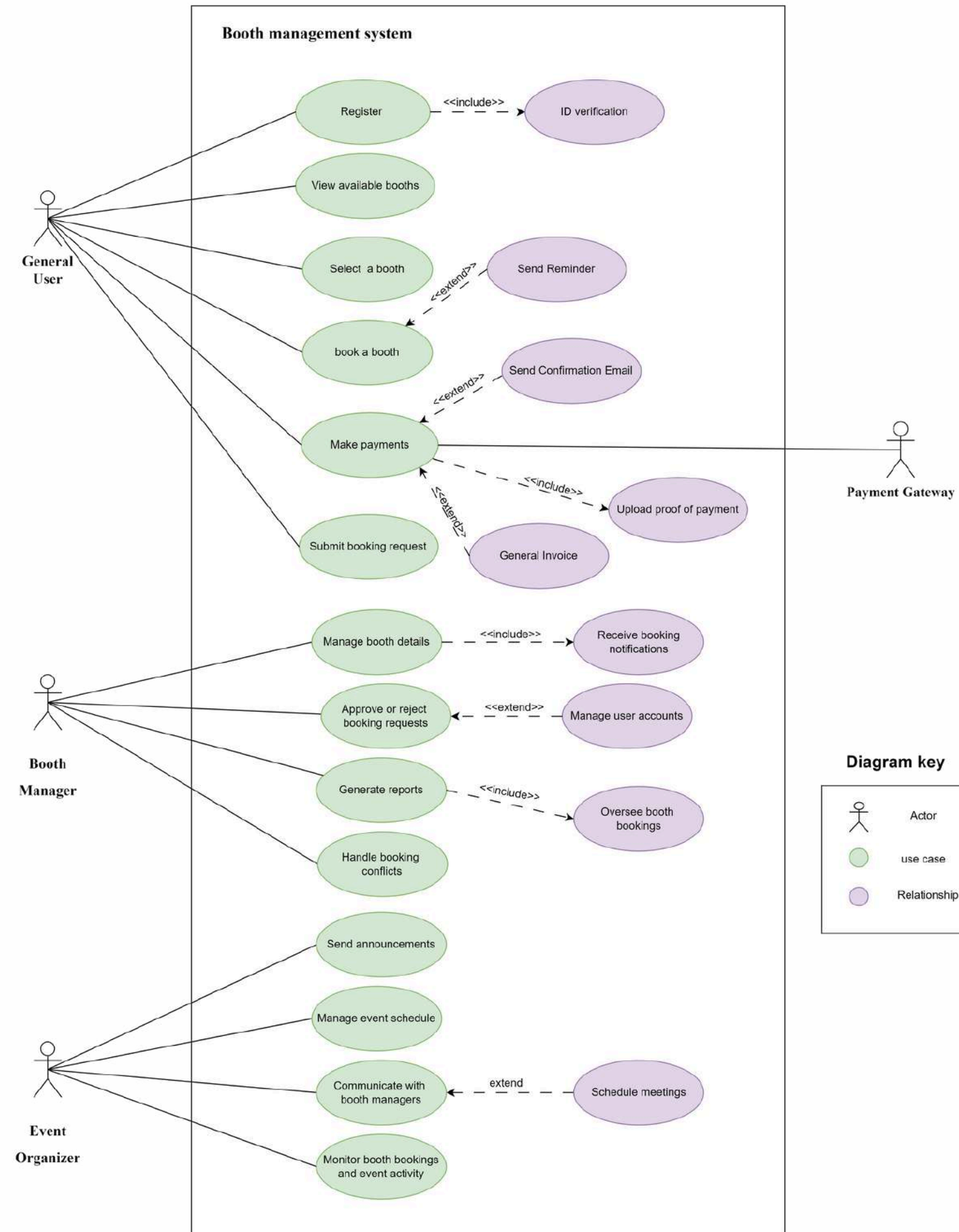
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Use case Diagram



Use case Diagram





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Use case narrative



Use case narrative



Use Case Name : Book a Booth



Primary Actor : General User



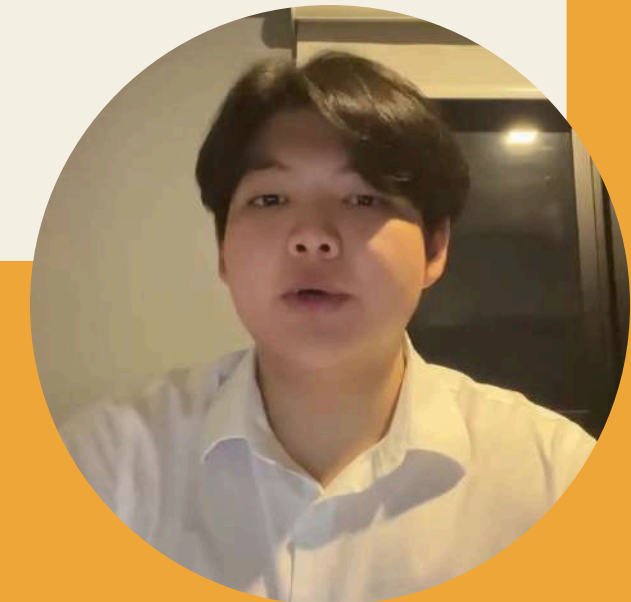
Goal in Context : Allow a General User to book a booth for an event or market.



Secondary Actor :
Booth Manage , System



Trigger : The General User selects a booth from the available list and proceeds with booking.



Use case narrative



Scenario :

- 1.The user logs into the system.
- 2.The user browses the available booths.
- 3.The user selects a booth.
- 4.The system asks the user to confirm the booking details.
- 5.The user confirms, and the system sends a notification to the Booth Manager.
- 6.The Booth Manager reviews and approves the request.
- 7.The system confirms the booking and notifies the General User.



Use case narrative



Post-condition : The booth is successfully booked, and the General User is notified of their booking confirmation.



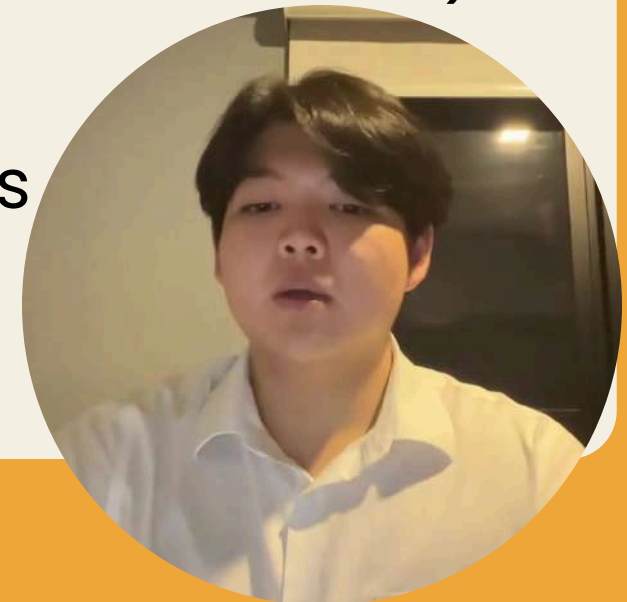
Precondition:

- The user must be registered and logged in.
- Available booths should be listed.
- The user's ID verification should be completed.



Exceptions:

- The booth is already booked (The system will show an error).
- The user fails ID verification (The system will block further actions).
- The payment is unsuccessful (The user is prompted to retry).





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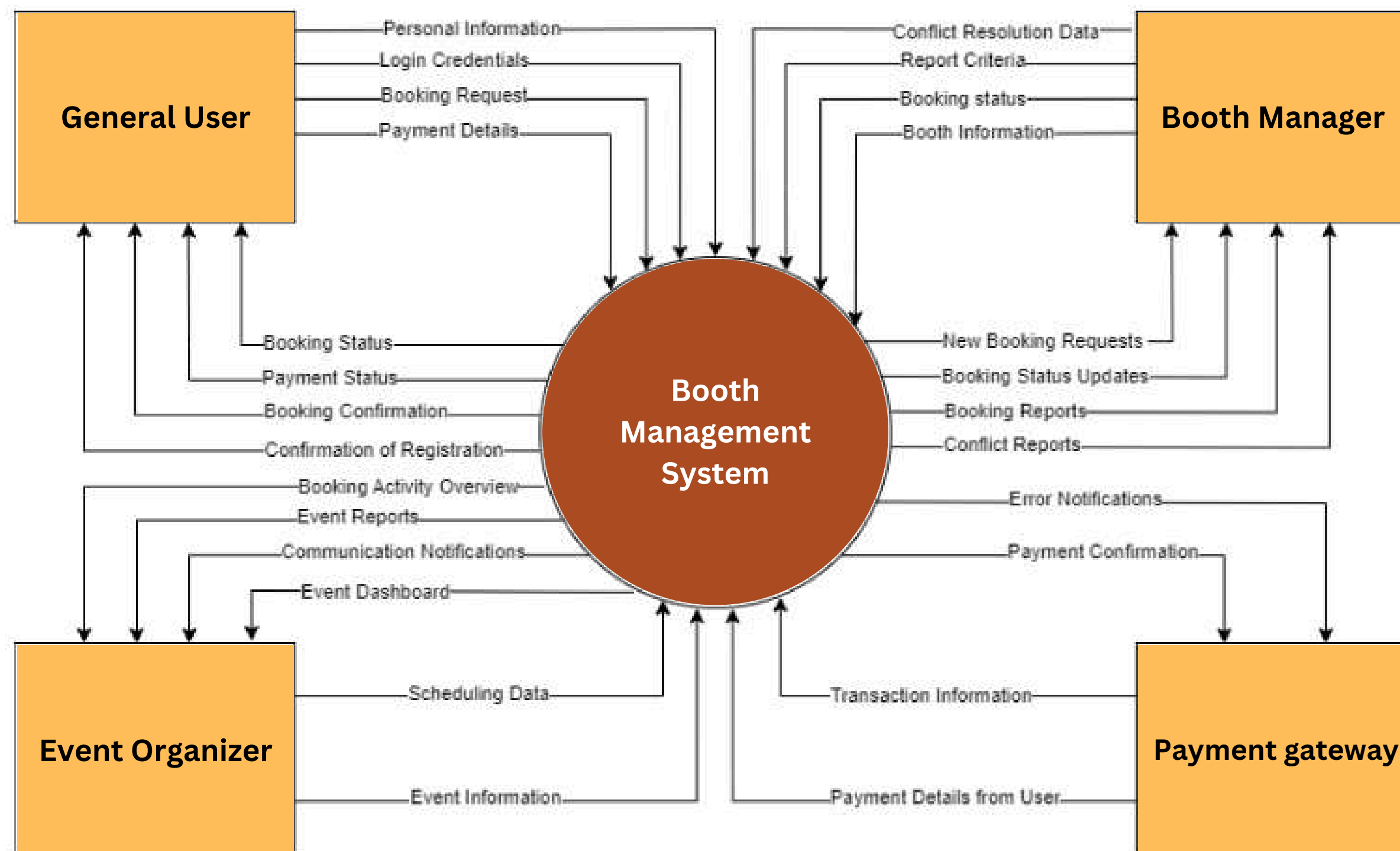
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Data flow diagram Level 0





Data flow diagram Level 0

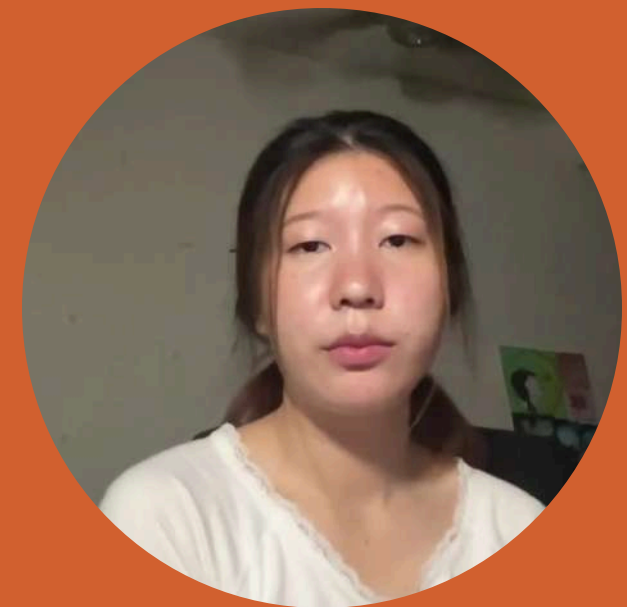




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Data flow diagram Level 1

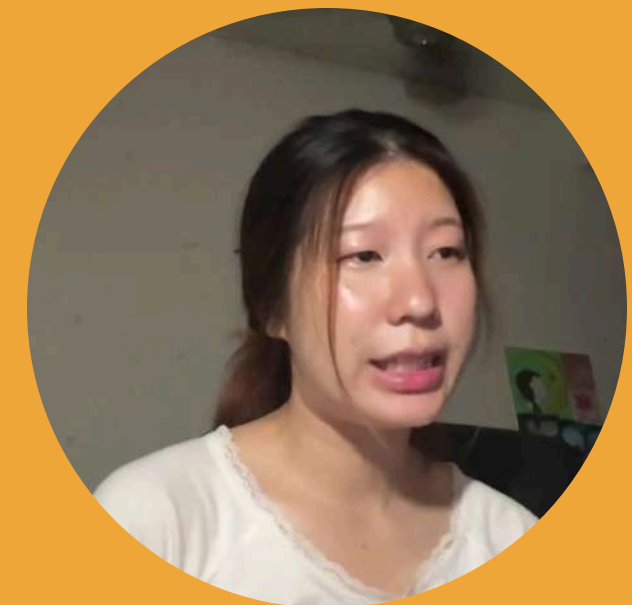
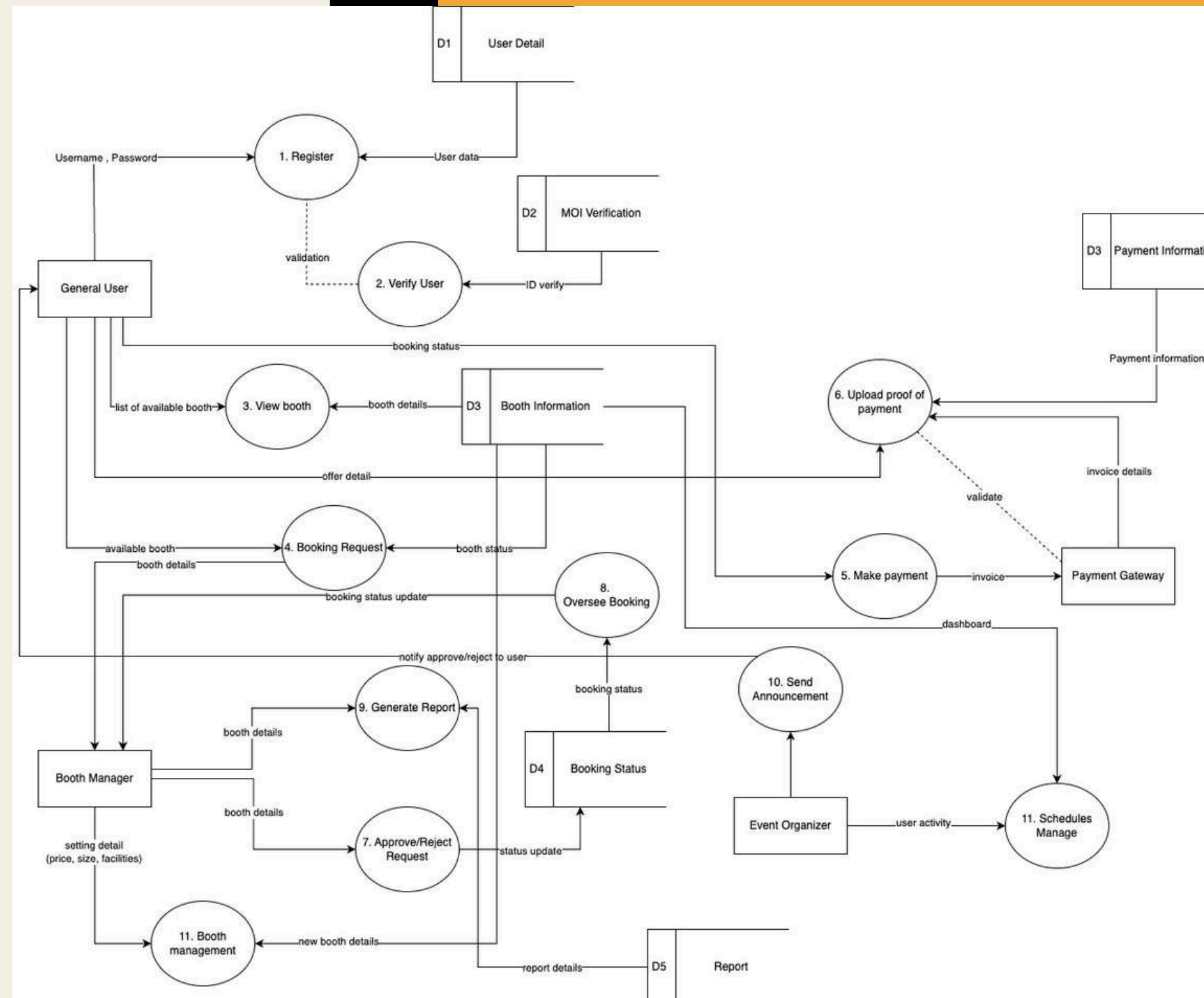




Booth Management System

Data flow diagram Level 1

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**Thank you for
your time!**

