

Use Case Name: <b>List Home</b>			ID Number: 1
Use Case Description: Hosts that desire to list a property on our system will input the required information and that listing will be saved in a database.			
Trigger: Host wants to list a property on Airbnb Type: <b>External</b>			
<b>Inputs</b>		<b>Outputs</b>	
Description	Source	Description	Destination
Home details (size, location, price, etc)	Host	Listing confirmation	Host
		New listing	Listing Database
<b>Major Steps Performed</b>			<b>Information for Steps</b>
1. Host provides home details			← Home details (size, location, price, etc)
2. System saves the home details as new listing			→ New listing
3. System send confirmation of listing to the host			→ Listing confirmation

Use Case Name: <b>Request Reservation</b>			ID Number: 2
Use Case Description: Users wishing to make a reservation will search for a listing and will end with a listing saved in the database. Payment information is also processed for the reservation at this stage.			
Trigger: User wishes to make a reservation. Type: <b>External</b>			
Inputs		Outputs	
Description	Source	Description	Destination
Payment details	Guest	Search results	Guest
Listing search criteria (dates, sizes, etc)	Guest	Reservation request received confirmation / receipt	Guest
Reservation request (property, dates)	Guest	New reservation request	Reservation Database
Payment approval	Payment Processor	New payment request (customer payment info, price)	Payment Processor
Reviews of host	Review Database		
Listings matching search criteria	Listing Database		
<b>Major Steps Performed</b>			
<ol style="list-style-type: none"><li>Customer provides details for their search for a property and matching listings (along with reviews of the relevant hosts) are retrieved from the database and send to the customer</li><li>Customer selects a property and requests it. They also provide their payment information in order to process that reservation.</li><li>Customer payment details are sent to a payment processor and confirmation is received.</li><li>Customer is sent a confirmation for their reservation request and that request is saved in a database.</li></ol>		← Listing search criteria (dates, sizes, etc)	
		← Listings matching search criteria	
		← Reviews of host	
		→ Search results	
		← Reservation request (property, dates)	
		← Payment details	
		→ New payment request (customer payment info, price)	
		← Payment approval	
		→ Reservation request received confirmation / receipt	
		→ New reservation request	

Use Case Name: Respond to Reservation			ID Number: 3	
Use Case Description: In this step, a host will be given the chance to review guest rating and either approve or deny the reservation request.				
Trigger: Guest submits a reservation request Type: <b>External</b>				
Inputs		Outputs		
Description	Source	Description	Destination	
Response to reservation request	Host	Reservation approval or denial / reservation host response	Guest	
Guest requesting reservation details	User Database	Potential reservation request (guest info, request info)	Host	
Reviews of guest	Review Database	Updated reservation details	Reservation Database	
Current reservation request	Reservation Database			
Major Steps Performed		Information for Steps		
1. System retrieves information necessary for reservation request approval and sends it to the host for approval.   <				

Use Case Name: Complete Reservation			ID Number: 4
Use Case Description: Once the reservation is complete, the host and guest will review each other and the host will be paid.			
Trigger: The end date of the reservation is reached.			
Type: <b>External</b>			
Inputs		Outputs	
Description	Source	Description	Destination
Host review of guest	Host	New host review	Review Database
Guest review of host	Guest	New guest review	Review Database
Host payment information	User Database	Host payment request (host payment info, total \$ value)	Payment Processor
Host payment completion confirmation	Payment Processor		
Completed reservation	Reservation database		
Major Steps Performed			Information for Steps
<div>1. Both hosts and guests review one another based on the completed reservation information. These reviews are then saved into a database.</div> <div>2. The system pays the host with the payment information they have on file and receives confirmation of this payment.</div>			← Completed reservation
			← Host review of guest
			← Guest review of host
			→ New host review
			→ New guest review
			← Host payment information
			→ Host payment request (host payment info, total \$ value)
			← Host payment completion confirmation

Use Case Name: Register or update account		ID Number: 5	
Use Case Description: In order to use the system, guests and hosts need to register with the system. This registers them and saves their accounts in a database.			
Trigger: User wants to register Type: <b>External</b>			
Inputs		Outputs	
Description	Source	Description	Destination
Basic user information (name, age, etc)	User	New / updated user details	User Database
Additional host information (payment info)	User		
Major Steps Performed		Information for Steps	
1. Users enter the basic information necessary to register and optionally enter information necessary to become and host.		← Basic user information (name, age, etc)	
		← Additional host information (payment info)	
2. This newly created profile is then saved in the database.		→ New / updated user details	