Agoda. Accommodation Booking.
State Transition Tables

Analysis of actions and states

1. Write down all actions and states

State	Event
Accommodation Search Page (initial)	Perform a search
Accommodation found	Select an accommodation
Accommodation selected	Select a room
Room selected	Add a room to the cart
Room added to cart	Confirm the room selection
Cart	Go to the cart
Customer's information confirmed	Add another accommodation
Payment made	Remove an accommodation
Accommodation booked	Confirm the customer's information
Booking cancelled	Confirm the payment information
	Confirm the booking without payment
	Change the customer's information
	The payment is successful
	Cancel the booking by the user

2. Check each state with all actions

Current State	Event	Next State	Action
Accommodation Search Page (initial)	Perform a search	Accommodation found	The page with a list of accommodations opens.
Accommodation Search Page (initial)	Select an accommodation	unavailable	
Accommodation Search Page (initial)	Select a room	unavailable	
Accommodation Search Page (initial)	Add a room to the cart	unavailable	
Accommodation Search Page (initial)	Confirm the room selection	unavailable	
Accommodation Search Page (initial)	Go to the cart (transition #1.3)	Cart	The Cart page opens.
Accommodation Search Page (initial)	Add another accommodation	unavailable	
Accommodation Search Page (initial)	Remove an accommodation	unavailable (to remove an accommodation we first have to add the accommodation to the cart)	
Accommodation Search Page (initial)	Confirm the customer's information	unavailable	
Accommodation Search Page (initial)	Confirm the payment information	unavailable	
Accommodation Search Page (initial)	Confirm the booking without payment	unavailable	
Accommodation Search Page (initial)	Change the customer's information	unavailable	
Accommodation Search Page (initial)	The payment is successful	unavailable	
Accommodation Search Page (initial)	Cancel the booking by the user	unavailable (we first have to add the booking, go to Bookings, and cancel the booking)	
Accommodation found	Perform a search	Accommodation found	The list of accommodations is updated.
Accommodation found	Select an accommodation	Accommodation selected	The details page of the selected accommodation opens.
Accommodation found	Select a room	unavailable (we first have to select an accommodation)	
Accommodation found	Add a room to the cart	unavailable (we first have to select an accommodation, then select a room, and add the room to the cart)	
Accommodation found	Confirm the room selection	unavailable	

Accommodation found	Go to the cart (transition #2.4)	Cart	The Cart page opens.
Accommodation found	Add another accommodation	unavailable	
Accommodation found	Remove an accommodation	unavailable (we first have to add the accommodation to the cart)	
Accommodation found	Confirm the customer's information	unavailable (we first have to select an accommodation, then select the room)	
Accommodation found	Confirm the payment information	unavailable	
Accommodation found	Confirm the booking without payment	unavailable	
Accommodation found	Change the customer's information	unavailable	
Accommodation found	The payment is successful	unavailable	
Accommodation found	Cancel the booking by the user	unavailable (we first have to add the booking, go to Bookings, and cancel the booking)	
Accommodation selected	Perform a search (transition #3.4)	Accommodation selected (if information about dates and/or guests is changed)	The details page of the selected accommodation is updated.
Accommodation selected	Perform a search	Accommodation found (if information about the destination is changed)	The page with a list of accommodations opens.
Accommodation selected	Select an accommodation	unavailable (we first have to change the destination and perform a search)	
Accommodation selected	Select a room	Room selected	1. The Customer Information page with reservation details opens. 2. The HoldingPrice timer starts.
Accommodation selected	Add a room to the cart	Room added to cart	1. The room is added to the cart. 2. The Added to Cart window opens.
Accommodation selected	Confirm the room selection	unavailable (we first have to add a room to the cart)	
Accommodation selected	Go to the cart	Cart	The Cart page opens.
Accommodation selected	Add another accommodation	Accommodation found	1. The accommodation is added to the cart. 2. The page with a list of accommodations opens.
Accommodation selected	Remove an accommodation	unavailable (we first have to add the accommodation to the cart)	
Accommodation selected	Confirm the customer's information	unavailable (we first have to select a room)	
Accommodation selected	Confirm the payment information	unavailable	
Accommodation selected	Confirm the booking without payment	unavailable	
Accommodation selected	Change the customer's information	unavailable	
Accommodation selected	The payment is successful	unavailable	
Accommodation selected	Cancel the booking by the user	unavailable (we first have to add the booking, go to Bookings, and cancel the booking)	
Room selected	Perform a search	unavailable	
Room selected	Select an accommodation	unavailable	
Room selected	Select a room	unavailable	
Room selected	Add a room to the cart	unavailable	
Room selected	Confirm the room selection	unavailable	
Room selected	Go to the cart	unavailable	
Room selected	Add another accommodation	unavailable	
Room selected	Remove an accommodation	unavailable	
Room selected	Confirm the customer's information	Customer's information confirmed	The Payment information page opens.
Room selected	Confirm the payment information	unavailable (we first have to confirm the customer's information)	
Room selected	Confirm the booking without payment	unavailable (we first have to confirm the customer's information)	
Room selected	Change the customer's information	unavailable (we first have to confirm the customer's information)	
Room selected	The payment is successful	unavailable (we first have to confirm the customer's information and pay money)	
Room selected	Cancel the booking by the user	unavailable	

Room added to cart	Perform a search	unavailable	
Room added to cart	Select an accommodation	unavailable	
Room added to cart	Select a room	unavailable	
Room added to cart	Add a room to the cart	unavailable	
Room added to cart	Confirm the room selection	Customer's information confirmed	1. The Customer Information page with reservation details opens. 2. The HoldingPrice timer starts.
Room added to cart	Go to the cart	Cart	The Cart page opens.
Room added to cart	Add another accommodation	Accommodation found	The page with a list of accommodations opens.
Room added to cart	Remove an accommodation	unavailable	
Room added to cart	Confirm the customer's information	unavailable	
Room added to cart	Confirm the payment information	unavailable	
Room added to cart	Confirm the booking without payment	unavailable	
Room added to cart	Change the customer's information	unavailable	
Room added to cart	The payment is successful	unavailable	
Room added to cart	Cancel the booking by the user	unavailable	
Cart	Perform a search	unavailable	
Cart	Select an accommodation	Accommodation selected	The details page of the selected accommodation opens.
Cart	Select a room (transition #5.2)	Cart	1. The total price is calculated. 2. The Next button becomes active.
Cart	Add a room to the cart	unavailable	
Cart	Confirm the room selection	Room selected	1. The Customer Information page with reservation details opens. 2. The HoldingPrice timer starts.
Cart	Go to the cart	unavailable	
Cart	Add another accommodation	unavailable	
Cart	Remove an accommodation	Accommodation Search Page (initial)	1. The accommodation is removed from the cart. 2. Return to the initial state.
Cart	Confirm the customer's information	unavailable (we first have to confirm the room selection)	
Cart	Confirm the payment information	unavailable	
Cart	Confirm the booking without payment	unavailable	
Cart	Change the customer's information	unavailable	
Cart	The payment is successful	unavailable	
Cart	Cancel the booking by the user	unavailable (we first have to add the booking, go to Bookings, and cancel the booking)	
Customer's information confirmed	Perform a search	unavailable	
Customer's information confirmed	Select an accommodation	unavailable	
Customer's information confirmed	Select a room	unavailable	
Customer's information confirmed	Add a room to the cart	unavailable	
Customer's information confirmed	Confirm the room selection	unavailable	
Customer's information confirmed	Go to the cart	unavailable	
Customer's information confirmed	Add another accommodation	unavailable	
Customer's information confirmed	Remove an accommodation	unavailable	
Customer's information confirmed	Confirm the customer's information	unavailable	
Customer's information confirmed	Confirm the payment information	Payment made	1. The payment is successfully processed. 2. The Booking is confirmed page opens.
Customer's information confirmed	Confirm the booking without payment	Accommodation booked	1. The accommodation is booked. 2. The Booking is confirmed page opens.
Customer's information confirmed	Change the customer's information	Room selected	The Customer Information page with reservation details opens.
Customer's information confirmed	The payment is successful	unavailable	

Customer's information confirmed	Cancel the booking by the user	unavailable	
Payment made	Perform a search	unavailable	
Payment made	Select an accommodation	unavailable	
Payment made	Select a room	unavailable	
Payment made	Add a room to the cart	unavailable	
Payment made	Confirm the room selection	unavailable	
Payment made	Go to the cart	unavailable	
Payment made	Add another accommodation	unavailable	
Payment made	Remove an accommodation	unavailable	
Payment made	Confirm the customer's information	unavailable	
Payment made	Confirm the payment information	unavailable	
Payment made	Confirm the booking without payment	unavailable	
Payment made	Change the customer's information	unavailable	
Payment made	The payment is successful	Accommodation booked	1. The accommodation is booked. 2. The Agoda confirmation email is sent. 3. The property's host's confirmation email is sent.
Payment made	Cancel the booking by the user	unavailable	
Accommodation booked	Perform a search	unavailable	
Accommodation booked	Select an accommodation	unavailable	
Accommodation booked	Select a room	unavailable	
Accommodation booked	Add a room to the cart	unavailable	
Accommodation booked	Confirm the room selection	unavailable	
Accommodation booked	Go to the cart	unavailable	
Accommodation booked	Add another accommodation	unavailable	
Accommodation booked	Remove an accommodation	unavailable	
Accommodation booked	Confirm the customer's information	unavailable	
Accommodation booked	Confirm the payment information	unavailable	
Accommodation booked	Confirm the booking without payment	unavailable	
Accommodation booked	Change the customer's information	unavailable	
Accommodation booked	The payment is successful	unavailable	
Accommodation booked	Cancel the booking by the user	Booking cancelled	1. The confirmation message about cancellation is displayed. 2. The Agoda confirmation email is sent.
Booking cancelled	Perform a search	unavailable	
Booking cancelled	Select an accommodation	unavailable	
Booking cancelled	Select a room	unavailable	
Booking cancelled	Add a room to the cart	unavailable	
Booking cancelled	Confirm the room selection	unavailable	
Booking cancelled	Go to the cart	unavailable	
Booking cancelled	Add another accommodation	unavailable	
Booking cancelled	Remove an accommodation	unavailable	
Booking cancelled	Confirm the customer's information	unavailable	
Booking cancelled	Confirm the payment information	unavailable	
Booking cancelled	Confirm the booking without payment	unavailable	
Booking cancelled	Change the customer's information	unavailable	
Booking cancelled	The payment is successful	unavailable	
Booking cancelled	Cancel the booking by the user	unavailable	

Analysis of transitions

Current State	Next State	How to go?
Accommodation Search Page (initial)	Accommodation found	Perform a search
Accommodation Search Page (initial)	Accommodation selected	unavailable
Accommodation Search Page (initial)	Room selected	unavailable
Accommodation Search Page (initial)	Room added to cart	unavailable
Accommodation Search Page (initial)	Cart	Go to the cart by clicking the Shopping Cart button
Accommodation Search Page (initial)	Customer's information confirmed	unavailable
Accommodation Search Page (initial)	Payment made	unavailable
Accommodation Search Page (initial)	Accommodation booked	unavailable
Accommodation Search Page (initial)	Booking cancelled	unavailable, but we first have to add the booking, go to Bookings, and cancel the booking
Accommodation found	Accommodation found	Edit information about the destination, dates, and guests and enter invalid data and perform a search
Accommodation found	Accommodation selected	Select an accommodation by clicking the accommodation card
Accommodation found	Room selected	unavailable
Accommodation found	Room added to cart	unavailable
Accommodation found	Cart	Go to the cart by clicking the Shopping Cart button
Accommodation found	Customer's information confirmed	unavailable
Accommodation found	Payment made	unavailable
Accommodation found	Accommodation booked	unavailable
Accommodation found	Booking cancelled	unavailable, but we first have to add the booking, go to Bookings, and cancel the booking
Accommodation selected	Accommodation Search Page (initial)	unavailable
Accommodation selected	Accommodation found	Edit information about the destination and perform a search by clicking the Search button
Accommodation selected	Accommodation selected	Edit information about dates and/or guests and perform a search by clicking the Search button
Accommodation selected	Room selected	Select a room by clicking the Book now button for the selected accommodation.
Accommodation selected	Room added to cart	Add a room to the cart by clicking the Add to Cart button
Accommodation selected	Cart (transition #3.6)	Go to the cart by clicking the Shopping Cart button
Accommodation selected	Customer's information confirmed	unavailable
Accommodation selected	Payment made	unavailable
Accommodation selected	Accommodation booked	unavailable
Accommodation selected	Booking cancelled	unavailable, but we first have to add the booking, go to Bookings, and cancel the booking
Room selected	Accommodation Search Page (initial)	unavailable
Room selected	Accommodation found	unavailable
Room selected	Accommodation selected	unavailable
Room selected	Room selected	unavailable
Room selected	Room added to cart	unavailable
Room selected	Cart	unavailable
Room selected	Customer's information confirmed	Confirm the customer's information by clicking the NEXT: FINAL STEP button
Room selected	Payment made	unavailable

Room selected	Accommodation booked	unavailable
Room selected	Booking cancelled	unavailable
Room added to cart	Accommodation Search Page (initial)	unavailable
Room added to cart	Accommodation found	Add another accommodation by clicking the Add another hotel button
Room added to cart	Accommodation selected	unavailable
Room added to cart	Room selected	Confirm the room selection by clicking the Book this room only button
Room added to cart	Room added to cart	unavailable
Room added to cart	Cart	Go to the cart by clicking the Proceed to cart button
Room added to cart	Customer's information confirmed	unavailable
Room added to cart	Payment made	unavailable
Room added to cart	Accommodation booked	unavailable
Room added to cart	Booking cancelled	unavailable
Cart	Accommodation Search Page (initial)	Remove the accommodation by clicking the Remove button
Cart	Accommodation found	unavailable
Cart	Accommodation selected	Select accommodation by clicking the accommodation card
Cart	Room selected	Confirm the room selection by clicking the Next button
Cart	Room added to cart	unavailable
Cart	Cart	Select a room by clicking the room card of the selected accommodation
Cart	Cart (transition #5.4)	Remove the accommodation by clicking the Remove button
Cart	Customer's information confirmed	unavailable
Cart	Payment made	unavailable
Cart	Accommodation booked	unavailable
Cart	Booking cancelled	unavailable, but we first have to add the booking, go to Bookings, and cancel the booking
Customer's information confirmed	Accommodation Search Page (initial)	unavailable
Customer's information confirmed	Accommodation found	unavailable
Customer's information confirmed	Accommodation selected	unavailable
Customer's information confirmed	Room selected	unavailable
Customer's information confirmed	Room added to cart	unavailable
Customer's information confirmed	Cart	unavailable
Customer's information confirmed	Customer's information confirmed	Edit customers information
Customer's information confirmed	Payment made	Confirm the payment information by clicking the Book now button
Customer's information confirmed	Accommodation booked	When payment is not required. Confirm the booking by clicking the Book Now & Pay Later! button
Customer's information confirmed	Booking cancelled	unavailable
Payment made	Accommodation Search Page (initial)	unavailable
Payment made	Accommodation found	unavailable
Payment made	Accommodation selected	unavailable
Payment made	Room selected	unavailable
Payment made	Room added to cart	unavailable
Payment made	Cart	unavailable
Payment made	Customer's information confirmed	unavailable
Payment made	Payment made	unavailable
Payment made	Accommodation booked	The payment is successful

Payment made	Booking cancelled	unavailable
Accommodation booked	Accommodation Search Page (initial)	unavailable
Accommodation booked	Accommodation found	unavailable
Accommodation booked	Accommodation selected	unavailable
Accommodation booked	Room selected	unavailable
Accommodation booked	Room added to cart	unavailable
Accommodation booked	Cart	unavailable
Accommodation booked	Customer's information confirmed	unavailable
Accommodation booked	Payment made	unavailable
Accommodation booked	Accommodation booked	unavailable
Accommodation booked	Booking cancelled	Cancel the booking by the user
Booking cancelled	Accommodation Search Page (initial)	unavailable
Booking cancelled	Accommodation found	unavailable
Booking cancelled	Accommodation selected	unavailable
Booking cancelled	Room selected	unavailable
Booking cancelled	Room added to cart	unavailable
Booking cancelled	Cart	unavailable
Booking cancelled	Customer's information confirmed	unavailable
Booking cancelled	Payment made	unavailable
Booking cancelled	Accommodation booked	unavailable
Booking cancelled	Booking cancelled	unavailable