Name of the Experiment: Aix line System Description at a use case diagram box an Aix line System: Actor: Passenger Use Case 1: Search for Flights. The passenger can search for available tights by providing criteria such as departure and classination airports, travel dates, and pretented class. Use Case 2: Book Flight Book Flight: The passenger can book a flight by sulcating a specific tilght, providing passenger details, and making a payment. Use Case 3: Cancel Reservation The passenger can cancel a booked tilgett Secription, clubject to the air line's cancellation policy. Use Case 4: Check-In Online The passenger can perform online check-in select seats, and receive a digotal boarding pass.	I	Experiment No. :
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Alor: Air port Staff		The passenger can search for available
Use Case 2: Book flight Book flight: The passenger can book a flight by selecting a specific blight, providing passenger details, and making a payment. Use Gase 3: Cancel Reservation The passenger can cancel a booked blight seservation dubject to the airdine's cancellation policy. Use Case F: Check-in Online The passenger can perform online check-in delect seats, and proceive a digital boarding pass.		flights by providing criteria such as departure and dustination airports, travel dates, and
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The passenger can cancel a booked flight Seservation, dubject to the airdine's cancellation policy. Use Gase 4: Check-in Online The passenger can perform online check-in select seats, and vaccive a digital boarding pass. Actor: Air port Staff		passenger details, and making a payment.
Use Case 4: Check-30 Online The passenger can perform online check-in select seats, and receive a digital boarding pan. Actor: Airport Statt		Use Gase 8: Cancel Reservation The passenger can cancel a booked flight
The passenger can perform online check-in, delect seate, and receive a digital boarding pan. Actor: Airport Statt		can cellation policy.
Actor: Arrbort Staff		Use Gase 4: Check-in Online The passenger can perform online check-in select
	4	
Obe Case 5: Check-in Counter Operations Airport stath can assist passengers with check-in of the curport counter, is us boarding passes, and		•
		Use Case 5: Check-PA Counter Operations. Airport statt can assist passengers with check-in at the curport counter, Issue boarding passes, and

Experiment No. :OGDate:Page No.:52
Name of the Experiment: Androe System
bandle opecial aequests.
Use Gase 6: Baggage Handling
Airport stable can manage the aproxess of bandling checked baggage, including tagging and doading onto the aircraft.
doading onto the aircraft.
Actor: Flight Grew
Use Gase 7: Conduct flight
The flight crew 18 responsible for conducting the flight, ensuring passenger safety and adhering to aviation regulations.
adhering to aviation regulations.
Actor: Bystem
Use Case 8: Manage Agght Schedule
The system allows administrators to manage
and update the schedule of flights, including
The system allows administrators to manage and update the schedule of flights, including adding new flights and modifying existing ones.
Use Gase 9: Manage Passenger Information The system manages passenger in bornation, including reservations, check-in details, and
The eystem manages passenger in bormation,
including reservations, check-in details, and
preberences.
Use Case 10: Crenerato Reports
The system generates various suports sudded
The eystem generates various reports related to blight bookings, passenger statistics, and binancial data
tinancial data

Experiment No. :
Actor: Maintenance Crew
Maradanana
Use Gase 11: Arrorate Maintenance
The maintenance creau can cuse the eystern
to schedule and dog maintenance activities for
aircraft do ensure obseir vouverthiness.
at Carles
Actor: External destan Ceg. Payment Gateway) The external payment galeway interacts with the oystem to process payments for tight bookings made by passengers.
The external payment garcieay in the
with the oyotem to process pergineries
tight bookings made by passingers.
This use aux diagram outlines the
Ardeni dystem. It provides a bigh-level view of
Artiene oystem et provides à the sustem 30 ductina
the trunctionalities of the gystem, including passenger - setated actions, airport operations, light management, and external interactions.
Jasenger succest and external interactions.
Thigh may a contract of the co
togout form
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Experiment No. :			
Name of the Experiment: Arroline System			
Description of an activity diagram for an Airline			
Adivity: Booking a flight			
Aderity 1: Scarch for Flights			
The passenger initiates a search bor available flights by specifying the departure and destination airports, travel dates, and other			
available flights by specifying the departure and			
destination airports, travel dates, and other			
preferences.			
Activity &: Select Flight.			
The passenger chooses a specific flight brom			
the search results. The oystem volidates			
seat availability and provides the passinger			
auth options.			
Alast 20 Days de Passencer Informacition			
The revenuer enters personal and stravel			
Activity 8: Provide Passenger Intermation The passenger enters personal and travel intermation required for booking, including named, contact details, and any openial			
named contact details, and any operial			
riguests.			
The state of the s			
Adirity 4: Contirm Booking			
The passenger reviewed the booking details			
The passenger reviewed the booking details, continue the reservation, and makes the			
payment. The gystem updates the deat inventory			
and generates a booking confirmation.			

Experiment No. :
Name of the Experiment: Arusne System
Activity. Check-in process
Autrity 5: Opline Obeck-in
The passenger poitiales the online check-in
Adtrity 5: Online Check-in The passenger initiates the online check-in process by providing booking details and passenger intermedien.
October 6: de lect deate.
The passenger selects preterred scale during the online check-in process. The system validates seat availability and updates the seating amongonomy
the online check-in process. The system validates
seat availability and updates the searing and general
Activity 7: Receive Boarding Pass
Upon success but check-in, the system generates and provides the parsonger with a digital
boarding pars.
Activity: Airport Operations.
Delast, et Barred Don
Activity 8: Bagged Drop The passenger drops of checked baggage at the airport. The system verifies baggage details and updates the bandling process.
the airport. The system verifies baggage
details and updates the handling process.
Activity 9: Security Check
Trocky The guston unclusive the security oneck
The passenger goes through the security check process. The system updates the passenger's status as aleased for boarding.

Experiment No. :
Name of the Experiment: Air None System
Activity: Boarding process.
Activity 10: Boarding: The passenger boards the thight. The system updates the boarding status and monitors passenger attendance.
status and monstors parsenger attendance.
Activity 11: But Verification
The system verifies that each passenger is seated in other ausigned seat, ensuring accurate passenger count and compliance with safety
seated en obein ausigned seat, ensuring accouncite
parsenger court and compliance with safety
Jegulations.
Activity: In-flight dervices
Hotivity 12: Food and Beverage Service
The flight crew provides took and severage
Activity 12: food and Beverage dervice The Hight crew provides food and beverage services to passengers. The system tracks inventory and updates service suconds.
Activity 13: Entertainment.
Passengers access in-Alight enterteinment denvices.
The dyoten monitors usage and updates
Passengers access in-flight enterteinment denvices. The dystem monitors usage and updates entertainment logs.
Activity: Fleght completion.
aderit, 14: Lanten
Activity 14: Landing The flight lands at the destination airport. The system updates the flight status to "Janded"
system updates the flight status to "Janded"

Experiment No. :	
Name of the Experiment: Air Inc. System.	
Activity 15. Baggage Rednieval	
Passengers de Argeve their checked baggage. Ih	೭_
system updates the baggage status and seconds	<u>; </u>
Activity 15° Baggage Redrieval Passengere subrieve their checked baggage. The system updates the baggage status and sucords successful retrieval	
a 1 2 1 . Bustern musternance	_
Activity: dystem mountenance	
Activity 16: Database Update	
The system performs youtine maintenance	
dasks, updating databases with fight schedules) —
Activity 16: Database Update The system performs youtine maintenance tasks, updating databases with flight schedules passenger in formation, and other superant data.	
The last discourse mouseles as overview of	R
the second sometime a transport	_
check in airport aperations the boarding process in-	
This activity diagram provides an overview of the process involved in booking a tright, possinger check-in, airport operations, the boarding process, intight services, and Hight completion within an Airline dystem.	
Andre duston	
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