Flight Ticket Payment : The system shall provide users with options to choose from multiple payment methods including credit/debit cards, digital wallets, and bank transfers and shall securely process payments made by users through the selected payment method, ensuring accuracy and reliability of transaction data.

UC Name	**Flight Ticket Payment (UC-301)**
Summary	Allows users to select a preferred payment method during the checkout process.
Dependency	
Actors	Primary Actor: User (Passenger) Secondary Actor: System
Preconditions	User has initiated the booking process and reached the payment step.
Description of the Main Sequence	1. System presents the available payment methods (credit/debit cards, digital wallets, bank transfers) to the user. 2. User selects a preferred payment method from the options provided. 3. System proceeds with the selected payment method for transaction processing. 4. User provides payment details through the selected payment method (e.g., card details, wallet information). 5. Upon successful authorization, the payment system updates the transaction status and records the payment details. 6. Confirmation of successful payment is displayed to the user. 7. The system delivers the E-ticket to the user through email.
Description of the Alternative Sequence	1a. If the user is not satisfied with the available payment methods, they can abort the transaction and can contact customer support if needed. 1b. If the selected payment method is unavailable or encounters an error, the system prompts the user to choose an alternative payment method.

	1c. If the system fails to present the available payment methods due to technical issues, it displays an error message and prompts the user to try again later. 4a.If the system finds something suspicious it will not approve the transaction and will instruct the user to contact customer support. 4b. If the payment authorization fails, the payment system notifies the user and prompts for alternative payment details or methods. 5a. If the payment processing encounters an error after authorization, the payment system provides appropriate error messages and instructs the users to contact customer support.
Non functional requirements	**Security**: The system must ensure that users' payment information is securely handled and transmitted during the payment method selection process. **Performance**: The payment method selection process should have low latency and high responsiveness to provide users with a smooth and efficient checkout experience, even during periods of high traffic. **Compatibility**: The payment method selection interface should be compatible with various devices and screen sizes, ensuring accessibility for users across different platforms.
Postconditions	User successfully performed the payment for the selected flight.

Managing booked flights: After successful booking passengers can view and manage their booked flights

UC Name	**Managing booked flights (UC-302)**
Summary	After successfully booking flights, passengers can view and manage their bookings.
Dependency	
Actors	Primary Actor: User (Passenger) Secondary Actor: System
Preconditions	The passenger has successfully booked one or more flights.

Description of the Main Sequence	1.The passenger selects the view bookings option in the system.
	2.The system retrieves the passenger's booking information.
	3.The system displays a list of the passenger's booked flights, including relevant details such as flight numbers, departure times, and destinations.
	4.The passenger selects a booked flight to view its details.
	5.The system retrieves and displays detailed information about the selected flight, including departure and arrival times, airline details, and booking reference number.
	6.The passenger has options to:
	
	    a. Modify the booking (if permitted by airline policies).
	    b. Cancel the booking (if permitted by airline policies).
	    c. Check-in for the flight (if available).
	    d. Provide feedback on the booking experience.
	    e. Request Upgrade
	
	7.The passenger performs the desired action(s).
	8.The passenger confirms their changes.
	9.The system updates the booking information according to the passenger's actions.

Description of the Alternative Sequence	2.Flight not found: If the system cannot retrieve the passenger's booked flights, an error message is displayed, and the use case terminates.
Non functional requirements	**Security**: The system must ensure that users' payment information is securely handled and transmitted during the payment method selection process. **Performance**: The payment method selection process should have low latency and high responsiveness to provide users with a smooth and efficient checkout experience, even during periods of high traffic. **Compatibility**: The payment method selection interface should be compatible with various devices and screen sizes, ensuring accessibility for users across different platforms.

Postconditions	The passenger has successfully viewed and managed their booked flights.

Monitor Revenue Performance: The finance department accesses revenue performance reports through the booking software's reporting module.

UC Name	**Monitor Revenue Performance (UC-303)**
Summary	The finance department accesses revenue performance reports through the booking software's reporting module. They interact with the UI to view charts, graphs, and tables that visualize revenue data over time, by route, or other relevant metrics.
Dependency	Log in
Actors	Primary Actor: Finance Department Secondary Actor: System
Preconditions	The finance department user has access to the reporting module of the booking software.
Description of the Main Sequence	1.The finance department navigates to the reporting module within the administrative interface. 2.The finance department selects the option to generate revenue performance reports. 3.The system presents various parameters for generating reports, such as time period, route, or revenue category. 4.The finance department specifies the desired parameters and initiates the report generation process. 5.The system retrieves relevant revenue data and generates visualizations, such as charts, graphs, and tables, based on the specified parameters.

	6. The finance department may choose to export or save the generated reports for further analysis or sharing with stakeholders.
Description of the Alternative Sequence	2a. If the system encounters errors or delays in retrieving revenue data or generating reports, the finance department may need to retry the process later or report the issue to technical support for resolution. 2b. If the reporting module is unavailable or inaccessible within the administrative interface, the finance department may submit a request for module activation or access rights to system administrators. 4. If the finance department encounters difficulties in specifying parameters or initiating report generation, they may seek assistance from technical support or refer to user documentation for guidance. 5. If the generated visualizations do not provide clear insights or are difficult to interpret, the finance department may adjust parameters and regenerate the reports as needed.
Non functional requirements	**Security**: The system must ensure that users' payment information is securely handled and transmitted during the payment method selection process. **Performance**: The payment method selection process should have low latency and high responsiveness to provide users with a smooth and efficient checkout experience, even during periods of high traffic. **Compatibility**: The payment method selection interface should be compatible with various devices and screen sizes, ensuring accessibility for users across different platforms.
Postconditions	The system successfully generated the requested report for the finance department to analyze