

"Purchase Ticket" use case description

Flows of Event Example

Primary Flow

Actor Action	System Response
1. The use case begins when the customer selects the option to view flight information.	2. The system prompts for the departure and destination cities and the departure and return dates.
3. The user selects the departure and destination city, departure date, and return date.	4. The system displays a list of available flights, including the fare. A1: There are no available flights.
5. The user selects the flight they would like to reserve.	6. The system displays all available fare options for that flight.
7. The user selects the fare option they would like to reserve. A2: The user selects a free ticket through frequent-flyer membership.	8. The system displays the fare that the user will pay.
9. The user confirms the rate.	10. The system prompts for a credit card type, number, name, and expiration date.
11. The user enters the card type, number, name, and expiration date.	12. The system submits the credit purchase. A3: Account not found A4: Insufficient funds E1: Credit system not accessible
	13. The system reserves a seat on the plane for the user.
	14. The system generates and displays a confirmation code to the user.
15. The user confirms receipt of the code.	16. The use case ends.

不會有太多 background

情境 (談故事) 流水帳

not in scope
卻定了 6 個月後的
只開放 3 個月內

not available time

提示

票價

目的地

票價

保留

票價

飛行常客

會員

提示

確認

截止日期

保留座位

生成

確認

確認 收據

↓x

交替
Alternate Flows

A1: No available flights

Actor Action	System Response
	1. The system displays a message that there are no available flights for the departure and destination cities, departure date, and return date entered.
2. The user confirms the message.	3. The flow returns to the primary flow, step 2.

A2: Free ticket through frequent-flyer membership

Actor Action	System Response
	1. The system prompts for the frequent-flyer number.
2. The user enters the number	<p>3. The system confirms the validity of the number.</p> <p>A2.1: Invalid frequent-flyer number</p> <p>4. The system confirms that there are enough miles on this membership to qualify for the free ticket.</p> <p>A2.2: Not enough miles to qualify for a free ticket</p> <p>A2.3: No frequent-flyer tickets available</p> <p>5. The ticket fare is set to \$0.</p> <p>6. The flow returns to the primary flow, step 8.</p>

A2.1: Invalid frequent-flyer number

Actor Action	System Response
	1. The system displays a message that the frequent-flyer number is invalid.
2. The user reenters the number or selects the option to cancel the frequent-flyer request.	<p>3. If the user reenters the number, the flow returns to step 1 of alternate flow A2.</p> <p>4. If the user cancels the frequent-flyer request, the flow returns to step 6 of the primary flow.</p>

A2.2: Not enough frequent-flyer miles to qualify for a free ticket

Actor Action	System Response
	<ol style="list-style-type: none">1. The system displays a message that there are not enough miles to qualify. The message contains the required number of miles and the number of <u>miles available</u>. ^{可用里程}2. The flow returns to step 6 of the primary flow.

A2.3: No frequent-flyer tickets available

Actor Action	System Response
	<ol style="list-style-type: none">1. The system displays a message that there are no frequent-flyer tickets available for the selected flight.2. The flow returns to step 6 of the primary flow.

A3: Credit account not found

Actor Action	System Response
	<ol style="list-style-type: none">1. The system displays a message that the credit account was not found.2. The flow returns to step 10 of the primary flow.

A4: Insufficient funds

Actor Action	System Response
	<ol style="list-style-type: none">1. The system displays a message that there were not enough ^{资金} funds on the card to complete the transaction.2. The flow returns to step 10 of the primary flow.

Error Flows

E1: Credit system not accessible

Actor Action	System Response
	<ol style="list-style-type: none"><li data-bbox="785 409 1324 495">1. The system displays a message that the credit system is not available.<li data-bbox="785 506 1324 591">2. The flow returns to step 10 of the primary flow.