TestCases for FlyHigh UseCases & Requirements

1. Add an element UseCase

Scenario 1 – Successful adding an element	Basic Flow	
Scenario 2 – Invalid entered flight data	Basic Flow	Alternate Flow 1
Scenario 3 – Flight already exists	Basic Flow	Alternate Flow 2
Scenario 4 – Doubled flight	Basic Flow	Alternate Flow 3
Scenario 5 – Incorrect flight date	Basic Flow	Alternate Flow 4
Scenario 6 – Unchronological flight dates	Basic Flow	Alternate Flow 5
Scenario 7 – Flight data does not exist	Basic Flow	Alternate Flow 6
Scenario 8 – Invalid entered airport data	Basic Flow	Alternate Flow 7
Scenario 9 – Airport already exists	Basic Flow	Alternate Flow 8
Scenario 10 – Country does not exist	Basic Flow	Alternate Flow 9
Scenario 11 – Invalid entered airplane data	Basic Flow	Alternate Flow 10
Scenario 12 – Airplane already exists	Basic Flow	Alternate Flow 11
Scenario 13 – Invalid entered crew member data	Basic Flow	Alternate Flow 12
Scenario 14 – Crew member already exists	Basic Flow	Alternate Flow 13
Scenario 15 – Incorrect birthday	Basic Flow	Alternate Flow 14

Basic Flow	 Initiate Adding - Administrator chooses an option to add an element into the system. 				
	Choosing an Element - Administrator chooses what new element				
	they want to add and then goes to: step 3 if it is a flight; step 4 if it is				
	an airport; step 5 if it is a airplane; step 6 if it is a crew member.				
	3. Adding a Flight - Administrator enters all the necessary data:				
	number, departure time, arrival time, departure place, arrival place,				
	airplane number, crew, price; System stores the data and the UseCase ends.				
	4. Adding an Airport - Administrator enters all the necessary data:				
	code, name, city, postal code, country, number of gates; System stores the data and the UseCase ends.				
	5. Adding a Airplane - Administrator enters all the necessary data:				
	number, model, number of seats; System stores the data and the				
	UseCase ends.				
	6. Adding a Crew Member - Administrator enters all the necessary				
	data: name, position, address, birthdate, id, phone number, e-mail;				
	System stores the data and the UseCase ends.				
Alternate Flow 1 – Invalid data	In Basic Flow Step 3 – Adding a Flight, if any of the entered data is not in a				
for adding a flight	valid format or some data is not entered at all, an appropriate message				
	appears and the system rejoins the Basic Flow Step 3 – Adding a Flight.				
Alternate Flow 2 – Flight already	In Basic Flow Step 3 – Adding a Flight, if there already exists a flight with the				
exists	entered number, an appropriate message appears and the system rejoins				
	the Basic Flow Step 3 – Adding a Flight.				
Alternate Flow 3 – Doubled	In Basic Flow Step 3 – Adding a Flight, if there already exists a flight that has				
flight	the same departure place and arrival place and the departure time differs				
	less than one hour, an appropriate message appears and the system rejoins				
	the Basic Flow Step 3 – Adding a Flight.				
Alternate Flow 4 – Incorrect	In Basic Flow Step 3 – Adding a Flight, if the departure date or the arrival				
flight date	date is already past, an appropriate message appears and the system rejoins				
	the Basic Flow Step 3 – Adding a Flight.				

Alternate Flow 5 –	In Basic Flow Step 3 – Adding a Flight, if the departure date is after the
Unchronological flight dates	arrival date, an appropriate message appears and the system rejoins the
	Basic Flow Step 3 – Adding a Flight.
Alternate Flow 6 – Flight data	In Basic Flow Step 3 – Adding a Flight, if the entered airplane, arrival place,
does not exist	departure place or crew does not exist, an appropriate message appears and
	the system rejoins the Basic Flow Step 3 – Adding a Flight.
Alternate Flow 7 – Invalid data	In Basic Flow Step 4 – Adding an Airport, if any of the entered data is not in a
for adding an airport	valid format or some data is not entered at all, an appropriate message
	appears and the system rejoins the Basic Flow Step 4 – Adding an Airport.
Alternate Flow 8 – Airport	In Basic Flow Step 4 – Adding an Airport, if there already exists an airport
already exists	with the entered code, an appropriate message appears and the system
	rejoins the Basic Flow Step 4 – Adding an Airport.
Alternate Flow 9 – Country does	In Basic Flow Step 4 – Adding an Airport, if the entered country does not
not exist	exist, an appropriate message appears and the system rejoins the Basic Flow
	Step 4 – Adding an Airport.
Alternate Flow 10 – Invalid data	In Basic Flow Step 5 – Adding a Airplane, if any of the entered data is not in a
for adding a airplane	valid format or some data is not entered at all, an appropriate message
	appears and the system rejoins the Basic Flow Step 5 – Adding a Airplane.
Alternate Flow 11 – Airplane	In Basic Flow Step 5 – Adding a Airplane, if there already exists a airplane
already exists	with the entered number, an appropriate message appears and the system
	rejoins the Basic Flow Step 5 – Adding a Airplane.
Alternate Flow 12 – Invalid data	In Basic Flow Step 6 – Adding a Crew Member, if any of the entered data is
for adding a crew member	not in a valid format or some data is not entered at all, an appropriate
	message appears and the system rejoins the Basic Flow Step 6 – Adding a
Alternative File (42) Con	Crew Member.
Alternate Flow 13 – Crew	In Basic Flow Step 6 – Adding a Crew Member, if there already exists a flight
member already exists	with the entered number, an appropriate message appears and the system
Alternate Flow 14 Incorrect	rejoins the Basic Flow Step 6 – Adding a Crew Member.
Alternate Flow 14 – Incorrect	In Basic Flow Step 6 – Adding a Crew Member, if the entered birthday is
birthday	after the date exactly 18 years before today's date, an appropriate message
	appears and the system rejoins the Basic Flow Step 6 – Adding a Crew Member.
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TC ID#	Scenario / Condition	Valid format	Valid values	Unique element	Expected Result
CW1.	Scenario 1 - Successful adding an element	YES	YES	YES	Successful adding an element
CW2.	Scenario 2 - Invalid entered flight data	NO	n/a	n/a	Warning message, return to Basic Flow Step 3 - Adding a Flight
CW3.	Scenario 3 - Flight already exists	YES	YES	NO	Warning message, return to Basic Flow Step 3 - Adding a Flight
CW4.	Scenario 4 - Doubled flight	YES	YES	NO	Warning message, return to Basic Flow Step 3 - Adding a Flight
CW5.	Scenario 5 - Incorrect flight date	YES	NO	n/a	Warning message, return to Basic Flow Step 3 - Adding a Flight
CW6.	Scenario 6 - Unchronological flight dates	YES	NO	n/a	Warning message, return to Basic Flow Step 3 - Adding a Flight
CW7.	Scenario 7 - Flight data does not exist	YES	NO	n/a	Warning message, return to Basic Flow Step 3 - Adding a Flight

CW8.	Scenario 8 - Invalid entered	NO	n/a	n/a	Warning message, return to Basic
	airport data				Flow Step 4 - Adding an Airport
CW9.	Scenario 9 - Airport already	YES	YES	NO	Warning message, return to Basic
	exists				Flow Step 4 - Adding an Airport
CW10.	Scenario 10 - Country does	YES	NO	n/a	Warning message, return to Basic
	not exist				Flow Step 4 - Adding an Airport
CW11.	Scenario 11 - Invalid entered	NO	n/a	n/a	Warning message, return to Basic
	airplane data				Flow Step 5 - Adding a Airplane
CW12.	Scenario 12 - Airplane	YES	YES	NO	Warning message, return to Basic
	already exists				Flow Step 5 - Adding a Airplane
CW13.	Scenario 13 - Invalid entered	NO	n/a	n/a	Warning message, return to Basic
	crew member data				Flow Step 6 - Adding a Crew Member
CW14.	Scenario 14 - Crew member	YES	YES	NO	Warning message, return to Basic
	already exists				Flow Step 6 - Adding a Crew Member
CW15.	Scenario 15 -Incorrect	YES	NO	n/a	Warning message, return to Basic
	birthday				Flow Step 6 - Adding a Crew Member

2. Find an element UseCase

Scenario 1 – Successful finding an element	Basic Flow	
Scenario 2 – Invalid entered flight data	Basic Flow	Alternate Flow 1
Scenario 3 – Flight does not exist	Basic Flow	Alternate Flow 2
Scenario 4 – Unchronological flight dates	Basic Flow	Alternate Flow 3
Scenario 5 – Invalid entered airport data	Basic Flow	Alternate Flow 4
Scenario 6 – Airport does not exist	Basic Flow	Alternate Flow 5
Scenario 7 – Invalid entered airplane data	Basic Flow	Alternate Flow 6
Scenario 8 – Airplane does not exist	Basic Flow	Alternate Flow 7
Scenario 9 – Invalid entered crew member data	Basic Flow	Alternate Flow 8
Scenario 10 – Crew Member does not exist	Basic Flow	Alternate Flow 9
Scenario 11 – Invalid entered club member data	Basic Flow	Alternate Flow 10
Scenario 12 – Club Member does not exist	Basic Flow	Alternate Flow 11

Basic Flow	 Initiate Finding - Administrator chooses an option to find an element in the system. Choosing an Element - Administrator chooses what element they want to find and then goes to: step 3 if it is a flight; step 4 if it is an airport; step 5 if it is a airplane; step 6 if it is a crew member; step 7 if it is a club member. Finding a Flight - Administrator enters the necessary data: number, departure time, arrival time, departure place, arrival place; System returns the flight and the UseCase ends. Finding an Airport - Administrator enters the necessary data: code, name, city, country; System returns the airport and the UseCase ends. Finding a Airplane - Administrator enters all the necessary data: number, model; System returns the airplane and the UseCase ends. Finding a Crew Member - Administrator enters all the necessary data: name, position; System returns the crew member and the UseCase ends. Finding a Club Member - Administrator enters all the necessary data: name, id; System returns the club member and the UseCase ends.
Alternate Flow 1 – Invalid data for finding a flight	In Basic Flow Step 3 – Finding a Flight, if any of the entered data is not in a valid format or no data is entered at all, an appropriate message appears and the system rejoins the Basic Flow Step 3 – Finding a Flight.
Alternate Flow 2 – Flight does not exist	In Basic Flow Step 3 – Finding a Flight, if there does not exist any flight with the entered data, an appropriate message appears and the system rejoins the Basic Flow Step 3 – Finding a Flight.
Alternate Flow 3 –	In Basic Flow Step 3 – Finding a Flight, if the departure date is after the
Unchronological flight dates	arrival date, an appropriate message appears and the system rejoins the Basic Flow Step 3 – Finding a Flight.
Alternate Flow 4 – Invalid data	In Basic Flow Step 4 – Finding an Airport, if any of the entered data is not in
for finding an airport	a valid format or no data is entered at all, an appropriate message appears and the system rejoins the Basic Flow Step 4 – Finding an Airport.

Alternate Flow 5 – Airport does	In Basic Flow Step 4 – Finding an Airport, if there does not exist any airport
not exist	with the entered data, an appropriate message appears and the system
	rejoins the Basic Flow Step 4 – Finding an Airport.
Alternate Flow 6 – Invalid data	In Basic Flow Step 5 – Finding a Airplane, if any of the entered data is not in
for finding a airplane	a valid format or no data is entered at all, an appropriate message appears
	and the system rejoins the Basic Flow Step 5 – Finding a Airplane.
Alternate Flow 7 – Airplane	In Basic Flow Step 5 – Finding a Airplane, if there does not exists any airplane
does not exist	with the entered data, an appropriate message appears and the system
	rejoins the Basic Flow Step 5 – Finding a Airplane.
Alternate Flow 8 – Invalid data	In Basic Flow Step 6 – Finding a Crew Member, if any of the entered data is
for finding a crew member	not in a valid format or no data is entered at all, an appropriate message
	appears and the system rejoins the Basic Flow Step 6 – Finding a Crew
	Member.
Alternate Flow 9 – Crew	In Basic Flow Step 6 – Finding a Crew Member, if there does not exists any
member does not exist	flight with the entered data, an appropriate message appears and the
	system rejoins the Basic Flow Step 6 – Finding a Crew Member.
Alternate Flow 10 – Invalid data	In Basic Flow Step 7 – Finding a Club Member, if any of the entered data is
for finding a club member	not in a valid format or no data is entered at all, an appropriate message
	appears and the system rejoins the Basic Flow Step 7 – Finding a Club
	Member.
Alternate Flow 11 – Club	In Basic Flow Step 7 – Finding a Club Member, if there does not exists any
member does not exist	flight with the entered data, an appropriate message appears and the
	system rejoins the Basic Flow Step 7 – Finding a Club Member.

TC ID#	Scenario / Condition	Valid	Valid	Existing	Expected Result
TC ID#	Scenario / Condition	format	values	element	Expected Result
CW1.	Scenario 1 - Succesfull finding an element	YES	YES	YES	Succesfull finding an element
CW2.	Scenario 2 - Invalid entered flight data	NO	n/a	n/a	Warning message, return to Basic Flow Step 3 - Finding a Flight
CW3.	Scenario 3 - Flight does not exist	YES	YES	NO	Warning message, return to Basic Flow Step 3 - Finding a Flight
CW4.	Scenario 4 - Unchronological flight dates	YES	NO	n/a	Warning message, return to Basic Flow Step 3 - Finding a Flight
CW5.	Scenario 5 - Invalid entered airport data	NO	n/a	n/a	Warning message, return to Basic Flow Step 4 - Finding an Airport
CW6.	Scenario 6 - Airport does not exist	YES	YES	NO	Warning message, return to Basic Flow Step 4 - Finding an Airport
CW7.	Scenario 7 - Invalid entered airplane data	NO	n/a	n/a	Warning message, return to Basic Flow Step 5 - Finding a Airplane
CW8.	Scenario 8 - Airplane does not exist	YES	YES	NO	Warning message, return to Basic Flow Step 5 - Finding a Airplane
CW9.	Scenario 9 - Invalid entered crew member data	NO	n/a	n/a	Warning message, return to Basic Flow Step 6 - Finding a Crew Member
CW10.	Scenario 10 - Crew Member does not exist	YES	YES	NO	Warning message, return to Basic Flow Step 6 - Finding a Crew Member
CW11.	Scenario 11 - Invalid entered club member data	NO	n/a	n/a	Warning message, return to Basic Flow Step 7 - Finding a Club Member
CW12.	Scenario 12 - Club Member does not exist	YES	YES	NO	Warning message, return to Basic Flow Step 7 - Finding a Club Member

3. Edit an element UseCase

Scenario 1 – Successful editing an element	Basic Flow	
Scenario 2 – Invalid entered flight data	Basic Flow	Alternate Flow 1
Scenario 3 – Flight already exists	Basic Flow	Alternate Flow 2
Scenario 4 – Doubled flight	Basic Flow	Alternate Flow 3
Scenario 5 – Incorrect flight date	Basic Flow	Alternate Flow 4
Scenario 6 – Unchronological flight dates	Basic Flow	Alternate Flow 5
Scenario 7 – Flight data does not exist	Basic Flow	Alternate Flow 6
Scenario 8 – Invalid entered airport data	Basic Flow	Alternate Flow 7
Scenario 9 – Airport already exists	Basic Flow	Alternate Flow 8
Scenario 10 – Country does not exist	Basic Flow	Alternate Flow 9
Scenario 11 – Invalid entered airplane data	Basic Flow	Alternate Flow 10
Scenario 12 – Airplane already exists	Basic Flow	Alternate Flow 11
Scenario 13 – Invalid entered crew member data	Basic Flow	Alternate Flow 12
Scenario 14 – Crew member already exists	Basic Flow	Alternate Flow 13
Scenario 15 – Incorrect birthday	Basic Flow	Alternate Flow 14

Basic Flow	Finding the element - Administrator goes through the finding an				
	element in the system UseCase.				
	2. Initiate Editing – Administrator chooses an option to edit an				
	element in the system.				
	3. Choosing an Element - Administrator chooses what element they				
	want to find and then goes to: step 4 if it is a flight; step 5 if it is an				
	airport; step 6 if it is a airplane; step 7 if it is a crew member.				
	4. Editing a Flight - Administrator enters the new data for given flight;				
	System saves the changes and the UseCase ends.				
	5. Editing an Airport - Administrator enters the new data for given				
	,				
	aiport; System saves the changes and the UseCase ends.				
	6. Editing a Airplane - Administrator enters the new data for given				
	airplane; System saves the changes and the UseCase ends.				
	7. Editing a Crew Member - Administrator enters the new data for				
	given crew member; System saves the changes and the UseCase				
	ends.				
Alternate Flow 1 – Invalid data	In Basic Flow Step 4 – Editing a Flight, if any of the entered data is not in a				
for editing a flight	valid format or some data is not entered at all, an appropriate message				
	appears and the system rejoins the Basic Flow Step 4 – Editing a Flight.				
Alternate Flow 2 – Flight already	In Basic Flow Step 4 – Editing a Flight, if there already exists a flight with				
exists	the entered number, an appropriate message appears and the system				
CAISES	rejoins the Basic Flow Step 4 – Editing a Flight.				
Alternate Flow 3 – Doubled					
	In Basic Flow Step 4 – Editing a Flight, if there already exists a flight that				
flight	has the same departure place and arrival place and the departure time				
	differs less than one hour, an appropriate message appears and the system				
	rejoins the Basic Flow Step 4 – Editing a Flight.				
Alternate Flow 4 – Incorrect	In Basic Flow Step 4 – Editing a Flight, if the departure date or the arrival				
flight date	date is already past, an appropriate message appears and the system				
	rejoins the Basic Flow Step 4 – Editing a Flight.				

Alternate Flow 5 –	In Basic Flow Step 4 – Editing a Flight, if the departure date is after the
Unchronological flight dates	arrival date, an appropriate message appears and the system rejoins the
	Basic Flow Step 4 – Editing a Flight.
Alternate Flow 6 – Flight data	In Basic Flow Step 4 – Editing a Flight, if the entered airplane, arrival place,
does not exist	departure place or crew does not exist, an appropriate message appears
	and the system rejoins the Basic Flow Step 4 – Editing a Flight.
Alternate Flow 7 – Invalid data	In Basic Flow Step 5 – Editing an Airport, if any of the entered data is not in
for editing an airport	a valid format or some data is not entered at all, an appropriate message
	appears and the system rejoins the Basic Flow Step 5 – Editing an Airport.
Alternate Flow 8 – Airport	In Basic Flow Step 5 – Editing an Airport, if there already exists an airport
already exists	with the entered code, an appropriate message appears and the system
	rejoins the Basic Flow Step 5 – Editing an Airport.
Alternate Flow 9 – Country does	In Basic Flow Step 5 – Editing an Airport, if the entered country does not
not exist	exist, an appropriate message appears and the system rejoins the Basic
	Flow Step 5 – Editing an Airport.
Alternate Flow 10 – Invalid data	In Basic Flow Step 6 – Editing a Airplane, if any of the entered data is not in
for editing a airplane	a valid format or some data is not entered at all, an appropriate message
	appears and the system rejoins the Basic Flow Step 6 – Editing a Airplane.
Alternate Flow 11 – Airplane	In Basic Flow Step 6 – Editing a Airplane, if there already exists a airplane
already exists	with the entered number, an appropriate message appears and the system
	rejoins the Basic Flow Step 6 – Editing a Airplane.
Alternate Flow 12 – Invalid data	In Basic Flow Step 7 – Editing a Crew Member, if any of the entered data is
for editing a crew member	not in a valid format or some data is not entered at all, an appropriate
	message appears and the system rejoins the Basic Flow Step 7 – Editing a
All 12 0	Crew Member.
Alternate Flow 13 – Crew	In Basic Flow Step 7 – Editing a Crew Member, if there already exists a
member already exists	flight with the entered number, an appropriate message appears and the
Altamata Flaur 14	system rejoins the Basic Flow Step 7 – Editing a Crew Member.
Alternate Flow 14 – Incorrect	In Basic Flow Step 7 – Editing a Crew Member, if the entered birthday is
birthday	after the date exactly 18 years before today's date, an appropriate
	message appears and the system rejoins the Basic Flow Step 7 – Editing a
	Crew Member.

TC ID#	Scenario / Condition	Valid format	Valid values	Unique element	Expected Result
CW1.	Scenario 1 - Successful editing an element	YES	YES	YES	Successful editing an element
CW2.	Scenario 2 - Invalid entered flight data	NO	n/a	n/a	Warning message, return to Basic Flow Step 4 - Editing a Flight
CW3.	Scenario 3 - Flight already exists	YES	YES	NO	Warning message, return to Basic Flow Step 4 - Editing a Flight
CW4.	Scenario 4 - Doubled flight	YES	YES	NO	Warning message, return to Basic Flow Step 4 - Editing a Flight
CW5.	Scenario 5 - Incorrect flight date	YES	NO	n/a	Warning message, return to Basic Flow Step 4 - Editing a Flight
CW6.	Scenario 6 - Unchronological flight dates	YES	NO	n/a	Warning message, return to Basic Flow Step 4 - Editing a Flight
CW7.	Scenario 7 - Flight data does not exist	YES	NO	n/a	Warning message, return to Basic Flow Step 4 - Editing a Flight

CW8.	Scenario 8 - Invalid entered	NO	n/a	n/a	Warning message, return to Basic
	airport data				Flow Step 5 - Editing an Airport
CW9.	Scenario 9 - Airport already	YES	YES	NO	Warning message, return to Basic
	exists				Flow Step 5 - Editing an Airport
CW10.	Scenario 10 - Country does	YES	NO	n/a	Warning message, return to Basic
	not exist				Flow Step 5 - Editing an Airport
CW11.	Scenario 11 - Invalid entered	NO	n/a	n/a	Warning message, return to Basic
	airplane data				Flow Step 6 - Editing a Airplane
CW12.	Scenario 12 - Airplane	YES	YES	NO	Warning message, return to Basic
	already exists				Flow Step 6 - Editing a Airplane
CW13.	Scenario 13 - Invalid entered	NO	n/a	n/a	Warning message, return to Basic
	crew member data				Flow Step 7 - Editing a Crew Member
CW14.	Scenario 14 - Crew member	YES	YES	NO	Warning message, return to Basic
	already exists				Flow Step 7 - Editing a Crew Member
CW15.	Scenario 15 -Incorrect	YES	NO	n/a	Warning message, return to Basic
	birthday				Flow Step 7 - Editing a Crew Member

4. Delete an element UseCase

Scenario 1 – Successful deleting an element	Basic Flow	
Scenario 2 – Airport not found	Basic Flow	Alternate Flow 1
Scenario 3 – Airplane not found	Basic Flow	Alternate Flow 2
Scenario 4 – Crew Member not found	Basic Flow	Alternate Flow 3
Scenario 5 – Club Member not found	Basic Flow	Alternate Flow 4

Basic Flow	 Finding the element – Head Administrator goes through the finding an element in the system UseCase. Initiate Deleting – Head Administrator chooses an option to delete an element from the system. Choosing an Element - Head Administrator chooses what element they want to find and then goes to; step 4 if it is an airport; step 5 if it is a airplane; step 6 if it is a crew member; step 7 if it is a club member. Deleting an Airport - Head Administrator deletes (after confirmation) given aiport; System deletes the airport and the UseCase ends. Deleting a Airplane - Head Administrator deletes (after confirmation) given airplane; System deletes the airplane and the UseCase ends. Deleting a Crew Member - Head Administrator deletes (after confirmation) given crew member; System deletes the crew member and the UseCase ends. Deleting a Club Member - Head Administrator deletes (after confirmation) given club member; System deletes the club member and the UseCase ends. 		
Alternate Flow 1 – Airport not	In Basic Flow Step 4 – Deleting an Airport, if another person have just		
found	deleted given airport, an appropriate message appears.		
Alternate Flow 2 – Airplane not	In Basic Flow Step 5 – Deleting a Airplane, if another person have just		
found	deleted given airplane, an appropriate message appears.		
Alternate Flow 3 – Crew	In Basic Flow Step 6 – Deleting a Crew Member, if another person have		
Member not found	just deleted given crew member, an appropriate message appears.		
Alternate Flow 4 – Club	In Basic Flow Step 7 – Deleting a Club Member, if another person have		
Member not found	just deleted given club member, an appropriate message appears.		

TC ID#	Scenario / Condition	Element	Expected Result
		found	
CW1.	Scenario 1 - Successful deleting an element	YES	Successful deleting an element
CW2.	Scenario 2 - Airport not found	NO	Warning message
CW3.	Scenario 3 - Airplane not found	NO	Warning message
CW4.	Scenario 4 - Crew Member not found	NO	Warning message
CW5.	Scenario 5 - Club Member not found	NO	Warning message

5. Cancel a flight UseCase

Scenario 1 – Successful cancelling a flight	Basic Flow	
Scenario 2 – Flight not found	Basic Flow	Alternate Flow 1
Scenario 3 – Flight already started/done	Basic Flow	Alternate Flow 2

Basic Flow	 Finding the element – Head Administrator goes through the finding a flight in the system UseCase. Initiate Cancelling – Head Administrator chooses an option to cancel a flight from the system. Cancelling a Flight - Head Administrator cancels (after confirmation) given flight; System saves the changes and the UseCase ends.
Alternate Flow 1 – Flight not	In Basic Flow Step 3 – Cancelling a Flight, if another person have just cancelled
found	given flight, an appropriate message appears.
Alternate Flow 2 – Flight already	In Basic Flow Step 3 – Cancelling a Flight, if the departure date is already past,
started/done	an appropriate message appears

TC ID#	Scenario / Condition	Element found	Valid values	Expected Result
CW1.	Scenario 1 - Successful cancelling a flight	YES	YES	Successful cancelling a flight
CW2.	Scenario 2 - Flight not found	NO	n/a	Warning message
CW3.	Scenario 3 - Flight already started/done	YES	NO	Warning message

6. Book a flight UseCase

Scenario 1 – Successful booking a flight	Basic Flow	
Scenario 2 – Invalid entered customer data	Basic Flow	Alternate Flow 1
Scenario 3 – Doubled flight	Basic Flow	Alternate Flow 2
Scenario 4 – Incorrect birthday	Basic Flow	Alternate Flow 3
Scenario 5 – Expired document	Basic Flow	Alternate Flow 4
Scenario 6 – No tickets available	Basic Flow	Alternate Flow 5

Basic Flow	 Finding the element – Customer goes through the finding a flight in the system UseCase. 				
	,				
	2. Initiate Booking – Customer chooses an option to book a flight.				
	3. Filling the Data – Customer fills in all the required data: name,				
	birthdate, nationality, type of ID, ID number, expiration date, seat				
	number, luggage size, payment method.				
	4. Booking a Flight – Customer books a flight; System addes a new				
	passenger to the given flight. The UseCase ends.				
Alternate Flow 1 – Invalid data	In Basic Flow Step 3 –Filling the Data, if any of the entered data is not in a				
for booking a flight	valid format or some data is not entered at all, an appropriate message				
	appears and the system rejoins the Basic Flow Step 3 – Filling the Data.				
Alternate Flow 2 – Doubled	In Basic Flow Step 3 – Filling the Data, if there already exists a booking for				
flight	the same flight made by person with the same name and ID number,				
	appropriate message appears and the system rejoins the Basic Flow Step 3 –				
	Filling the Data.				
Alternate Flow 3 – Incorrect	In Basic Flow Step 3 – Filling the Data, if the entered birthday is after the				
birthday	date exactly 16 years before today's date, an appropriate message appears				
·	and the system rejoins the Basic Flow Step 3 – Filling the Data.				
Alternate Flow 4 – Expired	In Basic Flow Step 3 – Filling the Data, if the expiration date is before the				
Document	today's date, an appropriate message appears.				
Alternate Flow 5 – No tickets	In Basic Flow Step 4 – Booking a Flight, if another person have just booked				
available	the last ticket for given flight, an appropriate message appears.				

TC ID#	Scenario / Condition	Valid	Valid	Unique	Element	Expected Result
		format	values	element	found	
CW1.	Scenario 1 – Successful booking a flight	YES	YES	YES	YES	Successful booking a flight
CW2.	Scenario 2 – Invalid entered customer data	NO	n/a	n/a	n/a	Warning message, return to Basic Flow Step 3 – Filling the Data
CW3.	Scenario 3 – Doubled flight	YES	YES	NO	n/a	Warning message, return to Basic Flow Step 3 – Filling the Data
CW4.	Scenario 4 - Incorrect birthday	YES	NO	n/a	n/a	Warning message, return to Basic Flow Step 3 - Filling the Data
CW5.	Scenario 5 - Expired document	YES	NO	n/a	n/a	Warning message
CW6.	Scenario 6 - No tickets available	YES	YES	YES	NO	Warning message

7. Log in Requirement

Scenario 1 – Successful logging in	Basic Flow	
Scenario 2 – Forbidden characters	Basic Flow	Alternate Flow 1
Scenario 3 – Empty field	Basic Flow	Alternate Flow 2
Scenario 4 – Incorrect data	Basic Flow	Alternate Flow 3

Basic Flow	 Initiate Logging – User enters the login and password. Logging In – User logs into the system and gets one of the following views: head administrator, administrator, club member.
Alternate Flow 1 – Forbidden	In Basic Flow Step 1 – Logging In, if any of the entered characters is not
characters	allowed to be used, an appropriate message appears and the system rejoins
	the Basic Flow Step 1 – Logging In.
Alternate Flow 2 – Empty field	In Basic Flow Step 1 – Logging In, if either login or password is not entered,
	an appropriate message appears and the system rejoins the Basic Flow Step
	1 – Logging In.
Alternate Flow 3 – Incorrect	In Basic Flow Step 1 – Logging In, if either login or password is not correct,
data	an appropriate message appears and the system rejoins the Basic Flow Step
	1 – Logging In.

TC ID#	Scenario / Condition	Allowed	Valid	Expected Result	
		character	value		
CW1.	Scenario 1 -	YES	YES	Successful logging in	
	Successful logging in				
CW2.	Scenario 2 -	NO	n/a	Warning message, return to Basic Flow Step 1 – Logging	
	Forbidden			In	
	characters				
CW3.	Scenario 3 - Empty	YES	NO	Warning message, return to Basic Flow Step 1 – Logging	
	field			In	
CW4.	Scenario 4 -	YES	NO	Warning message, return to Basic Flow Step 1 – Logging	
	Incorrect data			In	

8. Becoming a club member (registration) Requirement

Scenario 1 – Successful registration	Basic Flow	
Scenario 2 – Invalid entered registration data	Basic Flow	Alternate Flow 1
Scenario 3 – Club member already exists	Basic Flow	Alternate Flow 2
Scenario 4 – Country does not exist	Basic Flow	Alternate Flow 3
Scenario 5 – Incorrect birthday	Basic Flow	Alternate Flow 4
Scenario 6 – Expired document	Basic Flow	Alternate Flow 5

Basic Flow	1. Initiate Registration – User chooses an option to become a club
	member.
	2. Filling the Data – User enters all the required data: name, login,
	password, id type, id number, id expiration date, nationality,
	birthday, email, phone number, address; System saves the data and
	the user becomes a club member.
Alternate Flow 1 – Invalid data	In Basic Flow Step 2 – Filling the Data, if any of the entered data is not in a
for registration	valid format or some data is not entered at all, an appropriate message
	appears and the system rejoins the Basic Flow Step 2 – Filling the Data.
Alternate Flow 2 – Club member	In Basic Flow Step 2 – Filling the Data, if there already exists a club member
already exists	with the entered id number, an appropriate message appears and the
	system rejoins the Basic Flow Step 2 – Filling the Data.
Alternate Flow 3 – Country does	In Basic Flow Step 2 – Filling the Data, if the entered country does not exist,
not exist	an appropriate message appears and the system rejoins the Basic Flow Step
	2 – Filling the Data.
Alternate Flow 4 – Incorrect	In Basic Flow Step 2 – Filling the Data, if the entered birthday is after the
birthday	date exactly 18 years before today's date, an appropriate message appears
	and the system rejoins the Basic Flow Step 2 – Filling the Data.
Alternate Flow 5 – Expired	In Basic Flow Step 2 – Filling the Data, if the expiration date is before the
Document	today's date, an appropriate message appears and the system rejoins the
	Basic Flow Step 2 – Filling the Data.

TC ID#	Scenario / Condition	Valid	Valid	Unique	Expected Result
		format	value	element	·
CW1.	Scenario 1 - Successful registration	YES	YES	YES	Successful registration
CW2.	Scenario 2 - Invalid entered registration data	NO	n/a	n/a	Warning message, return to Basic Flow Step 2 - Filling the Data
CW3.	Scenario 3 - Club member already exists	YES	YES	NO	Warning message, return to Basic Flow Step 2 - Filling the Data
CW4.	Scenario 4 - Country does not exist	YES	NO	n/a	Warning message, return to Basic Flow Step 2 - Filling the Data
CW5.	Scenario 5 - Incorrect birthday	YES	NO	n/a	Warning message, return to Basic Flow Step 2 - Filling the Data
CW6.	Scenario 6 - Expired document	YES	NO	n/a	Warning message, return to Basic Flow Step 2 - Filling the Data