Test Case	Features	Description	Test Steps	Expected Result	Test Results [PASSED/FAILED]	Remarks
1.1.1	(+) Search with valid dates	Verify that the search form accepts valid departure and return dates within the next two years and displays available flights.	1. Select a departure date within the next two years (July or December). 2. Select a return date within six months of the departure date. 3. Click the search button.	The system should display available flights with the message "Seats available! Call 0800 MARSAIR to book!" if seats are available.		
1.1.2	(+) Search with valid dates when no seats available	Verify that the system correctly handles situations where there are no seats available on selected flights.	1. Select a departure date within the next two years (July or December). 2. Select a return date within six months of the departure date. 3. Click the search button.	The system should display "Sorry, there are no more seats available."		
1.2.1	(-)Search with departure and return dates outside the	Verify that the system rejects searches for flights scheduled beyond the next two years.	1. Select a departure date more than two years from the current date.	The system should display an error message like "Flights for this date range are unavailable."		

	next two years		2. Select a return date more than two years from the departure date. 3. Click the search button.			
1.3.1	(-) Search with exactly 6 months between departure and return	Verify that the system allows searches with a return date exactly 6 months from the departure date.	1. Select a departure date within the next two years (July or December). 2. Select a return date exactly 6 months from the departure date. 3. Click the search button.	The system should show available flights if seats are available.		
2.2.1	(+) Enter a valid promotional code	Verify that a valid promotional code correctly applies the discount and shows the success message.	1. Enter a valid promotional code like "AF3-FJK-418". 2. Perform the search.	The system should display the message "Promotional code AF3-FJK-418 used: 30% discount!"		
2.2.2	(-)Enter a promotional	Verify that a promotional code with an incorrect	1. Enter a promotional	The system should show an		

	code with incorrect check digit	check digit is considered invalid.	code like "JJ5-OPQ-320". 2. Perform the search.	error message "Sorry, code JJ5-OPQ-320 is not valid."		
2.3.1	(-)Enter a promotional code with maximum length	1. Verify that the system can handle the maximum allowable length for a promotional code.	1. Enter a promotional code of maximum length like "AF3-FJK-9999". 2. Perform the search.	The system should process the code correctly and apply the appropriate discount.		
3.1.1	(+)Click on "Book a ticket to the red planet now!" link	Verify that clicking the "Book a ticket to the red planet now!" link navigates to the home page.	Click on the "Book a ticket to the red planet now!" link.	The user is directed to the home page.		
3.1.2	(+) Click on the MarsAir logo	Verify that clicking the MarsAir logo navigates to the home page.	Click on the MarsAir logo in the top left corner.	The user is directed to the home page.		
3.2.1	(-)Verify incorrect URL navigation	Verify that if an incorrect URL is typed, the user is not redirected to the home page.	1. Manually enter an invalid URL. 2. Attempt to navigate back to the home page using the links.	The system should display a "Page not found" error.		
4.1.1	(+) Select valid return date	Verify that when the return date is more than 1 year from the departure, the system accepts it.	1. Select a departure date. 2. Select a return date that is	The search should proceed without errors.		

			more than 1 year from the departure. 3. Click the search button.			
4.2.1	(-) Select return date less than 1 year from departure	Verify that the system prevents searching for trips with return dates less than 1 year from the departure.	1. Select a departure date. 2. Select a return date less than 1 year from the departure date. 3. Click the search button.	The system should display the error message "Unfortunately, this schedule is not possible. Please try again."		
4.3.1	(-) Select return date exactly 1 year from the departure	Verify that the system allows searches with return dates exactly 1 year from the departure.	1. Select a departure date. 2. Select a return date exactly 1 year from the departure. 3. Click the search button.	The system should allow the search and show available flights.		

Bug

Bug	Category	Priority	Issue Description	Steps to Reproduce	Actual Result	Expected Result	Root Cause Analysis
1	Critical Bugs - Invalid Date Validation	High	The application accepts and shows "Sorry, there are no more seats available" for invalid date combinations instead of proper validation message	1. Select departure date: "July" 2. Select return date: "December" (less than 1 year) 3. Click Search	Shows "Sorry, there are no more seats available"	Should show "Unfortunately, this schedule is not possible. Please try again"	
2	Critical Bugs -Promotional Code Validation	High	Invalid promotional codes are not properly validated	1. Select valid dates (July to July next year) 2. Enter invalid code "AF3-FJK-40X" 3. Click Search	Shows "Sorry, there are no more seats available"	Should show "Sorry, code AF3-FJK-40X is not valid"	
3	Critical Bugs -Booking Window Validation	High	System fails to validate bookings beyond the 2-year window	1. Select departure: "July (two years from now)"	Shows "Sorry, there are no more seats available"	Should show message about dates being unavailable	

					2. Select return: "December (two years from now)" 3. Click Search			
4	UI/UX - Unclear Date Selection	Medium	Date dropdown options are not clearly labeled for different years	Look at the departure/return dropdowns	Labels like "July", "July (next year)" might be confusing	Clear distinction between current year, next year, and two years from now	
5	UI/UX - Missing Validation Messages	Medium	Generic error message used for all scenarios	Try different invalid combinations	Same "Sorry, there are no more seats available" message	Specific error messages for different validation failures	
6	UI/UX - Form Submission Feedback	Low	No loading state during form submission	Click search button	No loading indicator	Visual indication that search is in progress	
7	Functional - Return Date Logic	High	Return date validation logic is inconsistent	1. Select different combinations of departure and return dates 2. Observe validation behavior	Inconsistent validation messages	Clear validation of 1-year minimum between departure and return	

8	Functional - Search Reset	Medium	No clear way to reset search form	After performing a search	Must manually clear selections	Reset button or clear functionality	
9	Technical - Error Handling	Medium	Generic error handling for all scenarios	Test various error conditions	Same generic message used	Specific error messages for different scenarios	
10	Technical - Form State Management	Low	Form state not preserved on navigation	1. Fill form 2. Click logo 3. Return to booking	All selections lost	Option to preserve or clear form state	