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| 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 next two years | 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. 2. Select a return date more than two years from the departure date. 3. Click the search button. | The system should display an error message like “Flights for this date range are unavailable.” |  |  |
| 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 code with incorrect check digit | Verify that a promotional code with an incorrect check digit is considered invalid. | 1. Enter a promotional code like "JJ5-OPQ-320". 2. Perform the search. | The system should show an 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 more than 1 year from the departure. 3. Click the search button. | The search should proceed without errors. |  |  |
| 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. |  |  |