

## 19.4 Non-functional testing synopsis: Homework

To the functionality, that you covered with test cases:

Add 2-3 non-functional tests, for example:

UI/Usability

Cross-browser

Portability

Reliability

Security

and so on

### Performance test case:

M20-TC1748 - V. 1 - Performance. To observe Performance of page Booking Flight for Agent

M20-TC1748 - V. 1 - Performance. To observe Performance of page Booking Flight for Agent				
DETAILS	TEST SCRIPT	EXECUTION	SUB TASKS	ATTACHMENTS
<b>Title*</b>		<b>Test Status*</b>		
Performance. To observe Performance of page Booking Flight for Agent		<span>In Progress</span>		
<b>Test Objectives</b>		<b>Priority</b>		
To observe Performance analysis of Booking Flight by Agent and view detailed information about how the page is loading and rendering.		<i>Click to add a value</i>		
<b>Precondition(s)</b>		<b>Responsible - Owner</b>		
To be logged in with correct Agent credentials.		<i>Click to add a value</i>		
--		<b>Created At</b>		
Use for test data from excel (should be stored in companie's data storage) (for example attached to this test case).		January 23, 2024 2:40 PM		
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Disable cache (Network Tab).				
Cleared site data.				
Open 'Book Flight' page in browser.				
Opened Developer Tools.				
Opened 'Lighthouse' tab.				
OS:				
MacOS Sonoma Version 14.2.1,				
Browser:				
Google Chrome: Version 120.0.6099.234				
<b>Postcondition(s)</b>				
<i>Click to add a value</i>				
<b>Additional Informations</b>				
<i>Click to add a value</i>				

Category: Steps

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Steps

#	Test Instructions	Test Data	Expected Results
1	Click 'Analyze page load' DevTools.	Click to add text	Analyzed data: Performance - in range 90-100, Accessibility - in range 90-100, Best Practices - in range 90-100, CEO - in range 90-100.
2	Open 'Performance' Tab in DevTools. Click the 'record' button or hit 'hot keys' to start a new recording.	Click to add text	Started recording.
3	Choose flight on the page. Click 'Book' button. Enter passenger details. Click 'Save'.  Click 'Stop' on recording on 'Performance' tab.	Click to add text	Recording stopped. Analyzed data: There is no function that run too long.
4	Open 'Performance Insights' tab in DevTools.  Click 'Measure page load' button.	Click to add text	Analyze list of performance insights in the Insights pane. Potential performance issues can be presented here: There are no requests that are block/slow down the page rendering. Ther is now function calls that block the main thread.

Portability test case:

M20-TC1753 - V. 1 - Portability. Desktop & Mobile Booking Flight for Agent

DETAILS

TEST SCRIPT

EXECUTION

SUB TASKS

ATTACHMENTS

Title\*

Portability. Desktop & Mobile Booking Flight for Agent

Test Status\*

In Progress

Test Objectives

To check portability. Desktop and mobile version of Booking Flight for Agent.

Priority

Click to add a value

Precondition(s)

To be logged in with correct Agent credentials.

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Use for test data from excel (should be stored in companie's data storage) (for example attached to this test case).

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Disable cache (Network Tab).

Cleared site data.

OS:  
MacOS Sonoma Version 14.2.1,  
Browser:  
Google Chrome: Version 120.0.6099.234

In Developer Tools -> Emulated Devices exists iPhone 14 Pro Max.

Responsible - Owner

Click to add a value

Created At

January 23, 2024 7:07 PM

DETAILS	TEST SCRIPT	EXECUTION	SUB TASKS	ATTACHMENTS
Category: Steps				
Steps				
#	Test Instructions	Test Data	Expected Results	
1	<div>Open 'Book flight' in Main menu.</div> <div>Open Developer tools. Browse Desktop view.</div>	Click to add text	<div>Opened a page 'Book a Flight'. Displayed Main Menu. Displayed name of a user. Displayed 'Logout' button.</div> <div>Displayed fields for details of Departure and Destination airports, departure time. Available button 'Search'.</div>	
2	<div>Enter details of Departure and Destination airports, departure time.</div> <div>Click on button 'Search'.</div>	<div>From: Helsinki-Vantaa Aiport</div> <div>To: Liverpool John Lennon Airport</div> <div>Departure Time: 27/12/2023</div>	<div>Displayed Main Menu. Displayed name of a user. Displayed 'Logout' button.</div> <div>Found a flight according to search parameters. Shown 'Result':</div> <div>ID: Flight Number: From: To: Departure: YYYY-MM-DD HH:MM Arrival: YYYY-MM-DD HH:MM Flight charge: Aircraft: (fields described above filled according to presented in file information). Available Seats: (filld according to DB calculatings).</div> <div>Available button 'Book'.</div>	

3	<p>Click 'Book' button.</p> <p>Click to add text</p>	<p>Opened 'Passenger Information' page.</p> <p>Displayed main menu. Displayed name of a user. Displayed 'Logout' button</p> <p>Displayed fields: First Name, Last Name, Phone number, Passport Number, Email address, Address are presented.</p> <p>Available button 'Save'.</p>
4	<p>Enter correct details of a new passenger. Click on button 'Save'.</p> <p>Click to add text</p>	<p>Opened 'Confirmation Page'.</p> <p>Displayed main menu. Displayed name of a user. Displayed 'Logout' button</p> <p>Displayed information about Flight ID (the same as in step 2), Passenger ID (new data).</p> <p>Displayed Detailed information about a new passenger (Customer info). Details are filled according to entered data (presented in file information).</p> <p>Displayed Detailed information about a flight (Flight info). Details are displayed according to entered data (presented in file information.)</p>
5	<p>Open 'Book flight' in Main menu. In Developer tools switch on 'Mobile view' (iPhone 14 ProMax).</p> <p>Click to add text</p>	<p>Opened a page 'Book a Flight'.</p> <p>Displayed navigational symbol (3 horizontal lines) to Main menu in upper right corner. <i>Shown name of a user.</i> <i>Shown 'Logout' button.</i> <i>Here name of a user and 'logout' button may be placed under Main Menu, but it did not work, thus, I can't exactly describe expected result.</i></p> <p>Displayed fields for details of Departure and Destination airports, departure time. Available button 'Search'.</p>
6	<p>Enter details of Departure and Destination airports, departure time. Click on button 'Search'.</p> <p>From: Helsinki-Vantaa Airport To: Liverpool John Lennon Airport Departure Time: 27/12/2023</p>	<p>Displayed navigational symbol (3 horizontal lines) to Main menu in upper right corner.</p> <p><i>Displayed name of a user.</i> <i>Displayed 'Logout' button.</i> <i>Here name of a user and 'logout' button may be placed under Main Menu, but it did not work, thus, I can't exactly describe expected result.</i></p> <p>Found a flight according to search parameters. Shown 'Result':</p> <p>ID: Flight Number: From: To: Departure: YYYY-MM-DD HH:MM Arrival: YYYY-MM-DD HH:MM Flight charge: Aircraft: (fields described above filled according to presented in file information). Available Seats: (filled according to DB calculations).</p> <p>Available button 'Book'.</p>

⋮ 7	Click 'Book' button.	Click to add text	Displayed navigational symbol (3 horizontal lines) to Main menu in upper right corner.	
			<i>Displayed name of a user.</i> <i>Displayed 'Logout' button.</i> <i>Here name of a user and 'logout' button may be placed under Main Menu, but it did not work, thus, I can't exactly describe expected result.</i>	
			Opened 'Passenger Information' page.	+
			Fields:	...
			First Name,	
			Last Name,	
			Phone number,	
			Passport Nimber,	
			Email address,	
			Address	
			are presented.	
			Available button 'Save'.	

⋮ 8	Enter correct details of a new passenger. Click on button 'Save'.	Click to add text	Displayed navigational symbol (3 horizontal lines) to Main menu in upper right corner.	
			<i>Displayed name of a user.</i> <i>Displayed 'Logout' button.</i> <i>Here name of a user and 'logout' button may be placed under Main Menu, but it did not work, thus, I can't exactly describe expected result.</i>	
			Opened 'Confirmation Page'.	+
			Displayed information about	
			Flight ID (the same as in step 2),	
			Passenger ID (new data).	...
			Displayed Detailed information about a new passenger (Customer info).	
			Details are filled according to entered data (presented in file information).	
			Displayed Detailed information about a flight (Flight info).	
			Details are displayed according to entered data (presented in file information.)	

Usability test case:

M20-TC1798 - V. 1 - Usability. Booking Flight for Agent. Correct flight and passenger details (correct details).

M20-TC1798 - V. 1 - Usability. Booking Flight for Agent. Correct flight and passenger details.

DETAILS

TEST SCRIPT

EXECUTION

SUB TASKS

ATTACHMENTS

Title\*

Usability. Booking Flight for Agent. Correct flight and passenger details.

Test Status\*

In Progress

Test Objectives

To check Usability on page Booking Flight for Agent. Correct flight and passenger details.

Priority

Click to add a value

Precondition(s)

To be logged in with correct Agent credentials.

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Use for test data from excel (should be stored in companie's data storage) (for example attached to this test case).

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OS:

MacOS Sonoma Version 14.2.1,

Browser:

Google Chrome: Version 120.0.6099.234

Responsible - Owner

Click to add a value

Created At

January 27, 2024 6:54 PM

Postcondition(s)

Click to add a value

DETAILS

TEST SCRIPT

EXECUTION

SUB TASKS

ATTACHMENTS

Category: Steps

Steps

#	Test Instructions	Test Data	Expected Results
1	Navigate 'Book flight' in Main menu.	Click to add text	<div>Menu is easy to navigate.</div> <div>Text, Labels and Button are clear and free from misspelling.</div> <div>Content of the page concise and clear.</div> <div>Colours used provide good contrast and readability.</div> <div>Front size and spacing ensures good readability.</div> <div>Any help text clear and unambiguous.</div>

2	<p>Enter correct details of Departure and Destination airports, correct departure time. Click on button 'Search'.</p>	<p>From: Helsinki-Vantaa Aiport To: Liverpool John Lennon Airport Departure Time: 27/12/2023</p>	<p>Displayed Text, Labels and Button are clear and free from misspelling.</p> <p>Content of the page concise and clear.</p> <p>Colours used provide good contrast and readability.</p> <p>Front size and spacing ensures good readability.</p>
3	<p>Click 'Book' button.</p>	<p>Click to add text</p>	<p>Opened 'Passenger Inrormation' page.</p> <p>Page is easy to navigate.</p> <p>Text, Labels and Button are clear and free from misspelling.</p> <p>Content of the page concise and clear.</p> <p>Colours used provide good contrast and readability.</p> <p>Front size and spacing ensures good readability.</p>
4	<p>Enter correct details of a new passenger. Click on button 'Save'.</p>	<p>Click to add text</p>	<p>Opened 'Confirmation Page'.</p> <p>Displayed Text, Labels and Button are clear and free from misspelling.</p> <p>Content of the page concise and clear.</p> <p>Colours used provide good contrast and readability.</p> <p>Front size and spacing ensures good readability.</p>

M20-TC1760 - V.1 - Usability. Booking Flight for Agent. Incorrect flight's and passenger's details.			
DETAILS	TEST SCRIPT	EXECUTION	SUB TASKS
<p><b>Title*</b></p> <p>Usability. Booking Flight for Agent. Incorrect flight's and passenger's details.</p>		<p><b>Test Status*</b></p> <p>In Progress</p>	
<p><b>Test Objectives</b></p> <p>To check Usability on page Booking Flight for Agent. Incorrect flight's and passenger's details.</p>		<p><b>Priority</b></p> <p>Click to add a value</p>	
<p><b>Precondition(s)</b></p> <p>To be logged in with correct Agent credentials.</p> <p>--</p> <p>Use for test data from excel (should be stored in companie's data storage) (for example attached to this test case).</p> <p>--</p> <p>OS:</p> <p>MacOS Sonoma Version 14.2.1,</p> <p>Browser:</p> <p>Google Chrome: Version 120.0.6099.234</p>		<p><b>Responsible - Owner</b></p> <p>Click to add a value</p>	
<p><b>Postcondition(s)</b></p> <p>Click to add a value</p>		<p><b>Created At</b></p> <p>January 24, 2024 6:25 PM</p>	

Category: Steps



## Steps

#	Test Instructions	Test Data	Expected Results
1	Navigate 'Book flight' in Main menu.	<i>Click to add text</i>	Menu is easy to navigate. Text, Labels and Button are clear and free from misspelling. Content of the page concise and clear. Colours used provide good contrast and readability. Front size and spacing ensures good readability. Any help text clear and unambiguous.
2	Enter incorrect details of Departure and Destination airports, incorrect departure time. Click on button 'Search'.	<i>Click to add text</i>	Lookups are easy to work with. Error messages free from technical language. Error messages clearly explain how to correct the problem.
3	Enter correct details of Departure and Destination airports, correct departure time. Click on button 'Search'.	From: Helsinki-Vantaa Airport To: Liverpool John Lennon Airport Departure Time: 27/12/2023	Displayed Text, Labels and Button are clear and free from misspelling. Content of the page concise and clear. Colours used provide good contrast and readability. Front size and spacing ensures good readability.
4	Click 'Book' button.	<i>Click to add text</i>	Opened 'Passenger Information' page. Page is easy to navigate. Text, Labels and Button are clear and free from misspelling. Content of the page concise and clear. Colours used provide good contrast and readability. Front size and spacing ensures good readability.
5	Enter incorrect details of a new passenger. Click on button 'Save'.	<i>Click to add text</i>	Error messages free from technical language. Error messages clearly explain how to correct the problem.