

Apply the pairwise to the functionality you cover with test cases for the previous HW.

Output: 2-3 test cases using pairwise testing.

Checking Verify booking page:

We can see on this page: FlightId and PassengerId

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⚠ Not secure

192.168.40.100:8108/flight/book/verify

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FTB

Home

Flights

Book Flight

Search Flight

Verify Booking

👤mike

Logout

Verify Booking

In order to verify your ticket please provide your Flight Id and Passenger Id below.

Flight Id

Passenger Id

Search

Let us take such parameters for pairwise testing:

New Verify booking page demands 2 parameters: FlightId and PassengerId.

1. Let's define the equivalence classes and boundary values for each parameter.

FlightId (Numeric bigint): maxflightid, minflightid, maxflightid-1, maxflightid+1, minflightid-1, minflightid+1, empty, spaces, specialsymbols, -digits, +digits, average value

PassengerId (Numeric bigint): *maxpassengerId,minpassengerId, maxpassengerId-1, maxpassengerId+1, minpassengerId-1, maxpassengerId+1*, empty, spaces, specialsymbols, -digits, +digits, average value

2. To cover all the classes, let's use the following values:

FlightId (Numeric bigint): maxflightid, minflightid, maxflightid-1, maxflightid+1, minflightid-1, minflightid+1, empty, spaces, specialsymbols, -digits, +digits, average value

PassengerId (Numeric bigint): *maxpassengerId,minpassengerId, maxpassengerId-1, maxpassengerId+1, minpassengerId-1, maxpassengerId+1*, empty, spaces, specialsymbols, -digits, +digits, average value

3. Let's not take into consideration the values that give us an error anyway (negative tests):

FlightId (Numeric bigint): maxflightid+1, minflightid-1, -digits, +digits, empty, spaces, specialsymbols

PassengerId (Numeric bigint): maxpassengerId+1, minpassengerId-1, -digits, +digits,empty, spaces, specialsymbols

4. The rest values could be used to form combinations with [teremok.com](#) (PICT, AllPairs, another tool).

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pairwise.teremokgames.com/4s8/

pairwiseTool

Edit Conditions

Generate Pairwise

Generate All Combinations

Create

100
1010
01

	× FlightId	× PassengerId	+
× Row 1	maxflightId	maxpassengerId	+
× Row 2	minflightId	minpassengerId	+
× Row 3	maxflightId-1	maxpassengerId-1	+
× Row 4	minflightId+1	minpassengerId+1	+
× Row 5	average value	average value	+
±	±	±	±

5. Using the chosen tool, let's create a table, generate combinations, and attach the result table to the HW.

25 combinations for Allcombination

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pairwiseTool

Edit Conditions

Generate Pairwise

Generate All Combinations

Create Permalink

100
1010
01

	× FlightId	× PassengerId	+
× Row 1	maxflightId	maxpassengerId	+
× Row 2	minflightId	minpassengerId	+
× Row 3	maxflightId-1	maxpassengerId-1	+
× Row 4	minflightId+1	minpassengerId+1	+
× Row 5	average value	average value	+
±	±	±	±

Generating in process...

25 variants covered in 25 use cases

and 25 combinations for Pairwise combination

pairwiseTool

Edit ConditionsGenerate PairwiseGenerate All CombinationsCreate Permalink

Generating in process...

25 variants generated

	✕ FlightId	✕ PassengerId	+
✕ Row 1	maxflightId	maxpassengerId	+
✕ Row 2	minflightId	minpassengerId	+
✕ Row 3	maxflightId-1	maxpassengerId-1	+
✕ Row 4	minflightId+1	minpassengerId+1	+
✕ Row 5	average value	average value	+
+	+	+	+

6. Let's choose the most interesting combinations and create test cases in TMS

ADD

<input type="checkbox"/>	ID	Title	Test Status	Created At	Actions
<input type="checkbox"/>	<div><div></div><div></div><div><div></div><div></div></div>M20-TC1939</div>	Pairwise: Verify booking with minimal values for Flight id and Passenger id	In Progress	February 11, 2024	<div><div></div><div></div></div>
<input type="checkbox"/>	<div><div></div><div></div><div><div></div><div></div></div>M20-TC1947</div>	Pairwise: Verify booking with minimal values +1 for Flight id and Passenger id	In Progress	February 12, 2024	<div><div></div><div></div></div>
<input type="checkbox"/>	<div><div></div><div></div><div><div></div><div></div></div>M20-TC1948</div>	Pairwise: Verify booking with maximal values for Flight id and Passenger id	In Progress	February 12, 2024	<div><div></div><div></div></div>