Equivalence Partitioning

Equivalence Partitioning is a test design technique where input data is divided into groups (equivalence classes), in which all values within a class are expected to be processed by the system in the same way.

For each class, it is sufficient to test one or a few representative values.

Where it is used:

- Registration forms
- Fields with restrictions (age, quantity, amoun

Practical Example:

Website: Rozetka.com.ua

Field: Quantity (number of items to purchase)

Invalid	Valid	Invalid
(<=0)	1 to available quantity	More than available quantity

Test Cases (Rozetka), Quantity for Purchase::

Class	Input Value	Expected Result
Valid	1	Value is accepted
Valid	5	Value is accepted
Valid	10	Value is accepted
Invalid	0	Value is rejected
Invalid	-1	Value is rejected
Invalid	138	Error message is shown
Invalid	abc	Value is rejected
Invalid	(empty)	Value is rejected