

Toymania - Ali Al Fatly (0944292) , Tristan Kirwan(0944035), Hisham Agzanay(0944464), Jamie Surowiec(0942897), Liam de Waal(0943700).

Toymania Filtering Boundary value analysis

In the Toymania webshop application the store items can be filtered on price range. To test whether or not the filters are implemented correctly the filter price will be tested on the boundaries.

The Toymania price filters are as follows, for purposes of this test we will be some providing products, some of these products are purely for testing purposes and thus will not be appearing in the final products.

Price filters	Toyname	Price
00.01 - 9,99 euro	Jumbo Mens erger je niet!	9.98
10,00 - 19,99 euro	Vtech baby rammelaar puppy	9.99
20,00 - 49,99 euro	Dummie de mummie en de tombe van Achnetoet	10.00
50,00 - 99,99 euro	Baby telefoon plastic	19.98
100,00 - 499,99 euro	Wie is het?	19.99
500,00+ euro	Dobbelstenen	20.00
	Enge goocheldoos	49.98
	PAW patrol speelset hoofdkwartier	49.99
	Call of Duty Black ops II	50.00
	Wii gaming console	99.98
	Xbox gaming console	99.99
	100 euro coupon	100.00
	Nintendo switch	499.98
	Nintendo switch Japanese	499.99
	500 euro coupon	500.00
	Parrot drone	500.01

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Expected behaviour

Price filter 00.01 – 9.99:

Toyname	Price	Is Toy shown?
Jumbo Mens erger je niet!	9.98	Yes
Vtech baby rammelaar puppy	9.99	Yes
Dummie de mummie en de tombe van Achnetoet	10.00	No
Baby telefoon plastic	19.98	No
Wie is het?	19.99	No
Dobbelstenen	20.00	No
Enge goocheldoos	49.98	No
PAW patrol speelset hoofdkwartier	49.99	No
Call of Duty Black ops II	50.00	No
Wii gaming console	99.98	No
Xbox gaming console	99.99	No
100 euro coupon	100.00	No
Nintendo switch	499.98	No
Nintendo switch Japanese	499.99	No
500 euro coupon	500.00	No
Parrot drone	500.01	No

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Price filter 10.00 – 19.99

Toyname	Price	Is Toy shown?
Jumbo Mens erger je niet!	9.98	No
Vtech baby rammelaar puppy	9.99	No
Dummie de mummie en de tombe van Achnetoet	10.00	Yes
Baby telefoon plastic	19.98	Yes
Wie is het?	19.99	Yes
Dobbelstenen	20.00	No
Enge goocheldoos	49.98	No
PAW patrol speelset hoofdkwartier	49.99	No
Call of Duty Black ops II	50.00	No
Wii gaming console	99.98	No
Xbox gaming console	99.99	No
100 euro coupon	100.00	No
Nintendo switch	499.98	No
Nintendo switch Japanese	499.99	No
500 euro coupon	500.00	No
Parrot drone	500.01	No

Toyname	Price	Is Toy shown?
Jumbo Mens erger je niet!	9.98	No
Vtech baby rammelaar puppy	9.99	No
Dummie de mummie en de tombe van Achnetoet	10.00	No
Baby telefoon plastic	19.98	No
Wie is het?	19.99	No
Dobbelstenen	20.00	Yes
Enge goocheldoos	49.98	Yes
PAW patrol speelset hoofdkwartier	49.99	Yes
Call of Duty Black ops II	50.00	No
Wii gaming console	99.98	No
Xbox gaming console	99.99	No
100 euro coupon	100.00	No
Nintendo switch	499.98	No
Nintendo switch Japanese	499.99	No

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500 euro coupon	500.00	No
Parrot drone	500.01	No

Price filter 20.00 – 49.99

Price filter 50.00 – 99.99

Toyname	Price	Is Toy shown?
Jumbo Mens erger je niet!	9.98	No
Vtech baby rammelaar puppy	9.99	No
Dummie de mummie en de tombe van Achnetoet	10.00	No
Baby telefoon plastic	19.98	No
Wie is het?	19.99	No
Dobbelstenen	20.00	No
Enge goocheldoos	49.98	No
PAW patrol speelset hoofdkwartier	49.99	No
Call of Duty Black ops II	50.00	Yes
Wii gaming console	99.98	Yes
Xbox gaming console	99.99	Yes
100 euro coupon	100.00	No
Nintendo switch	499.98	No
Nintendo switch Japanese	499.99	No
500 euro coupon	500.00	No
Parrot drone	500.01	No

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Price filter 100.00 – 499.99

Toyname	Price	Is Toy shown?
Jumbo Mens erger je niet!	9.98	No
Vtech baby rammelaar puppy	9.99	No
Dummie de mummie en de tombe van Achnetoet	10.00	No
Baby telefoon plastic	19.98	No
Wie is het?	19.99	No
Dobbelstenen	20.00	No
Enge goocheldoos	49.98	No
PAW patrol speelset hoofdkwartier	49.99	No
Call of Duty Black ops II	50.00	No
Wii gaming console	99.98	No
Xbox gaming console	99.99	No
100 euro coupon	100.00	Yes
Nintendo switch	499.98	Yes
Nintendo switch Japanese	499.99	Yes
500 euro coupon	500.00	No
Parrot drone	500.01	No

Price filter 500.00 +

Toyname	Price	Is Toy shown?
Jumbo Mens erger je niet!	9.98	No
Vtech baby rammelaar puppy	9.99	No
Dummie de mummie en de tombe van Achnetoet	10.00	No
Baby telefoon plastic	19.98	No
Wie is het?	19.99	No
Dobbelstenen	20.00	No
Enge goocheldoos	49.98	No
PAW patrol speelset hoofdkwartier	49.99	No
Call of Duty Black ops II	50.00	No
Wii gaming console	99.98	No
Xbox gaming console	99.99	No
100 euro coupon	100.00	No
Nintendo switch	499.98	No
Nintendo switch Japanese	499.99	No
500 euro coupon	500.00	Yes
Parrot drone	500.01	Yes

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Actual behaviour:

For clarity's sake we will show also show the expected result on top of the actual behaviour, to show whether or not the filters are implemented correctly or not.

Toyname	Price	Is toy expected to be shown?	Is toy actually shown?
Jumbo Mens erger je niet!	9.98	Yes	Yes
Vtech baby rammelaar puppy	9.99	Yes	Yes
Dummie de mummie en de tombe van Achnetoet	10.00	No	No
Baby telefoon plastic	19.98	No	No
Wie is het?	19.99	No	No
Dobbelstenen	20.00	No	No
Enge goocheldoos	49.98	No	No
PAW patrol speelset hoofdkwartier	49.99	No	No
Call of Duty Black ops II	50.00	No	No
Wii gaming console	99.98	No	No

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Xbox gaming console	99.99	No	No
100 euro coupon	100.00	No	No
Nintendo switch	499.98	No	No
Nintendo switch Japanese	499.99	No	No
500 euro coupon	500.00	No	No
Parrot drone	500.01	No	No

Price filter 00.01 – 9.99:

Price filter 10.00 – 19.99

Toyname	Price	Is toy expected to be shown?	Is toy is actually shown
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Jumbo Mens erger je niet!	9.98	No	No
Vtech baby rammelaar puppy	9.99	No	No
Dummie de mummie en de tombe van Achnetoet	10.00	Yes	Yes
Baby telefoon plastic	19.98	Yes	Yes
Wie is het?	19.99	Yes	Yes
Dobbelstenen	20.00	No	No
Enge goocheldoos	49.98	No	No
PAW patrol speelset hoofdkwartier	49.99	No	No
Call of Duty Black ops II	50.00	No	No
Wii gaming console	99.98	No	No
Xbox gaming console	99.99	No	No
100 euro coupon	100.00	No	No
Nintendo switch	499.98	No	No
Nintendo switch Japanese	499.99	No	No
500 euro coupon	500.00	No	No
Parrot drone	500.01	No	No

Price filter 20.00 – 49.99

Toyname	Price	Is toy expected to be shown?	Is toy actually shown
Jumbo Mens erger je niet!	9.98	No	No
Vtech baby rammelaar puppy	9.99	No	No
Dummie de mummie en de tombe van Achnetoet	10.00	No	No
Baby telefoon plastic	19.98	No	No
Wie is het?	19.99	No	No
Dobbelstenen	20.00	Yes	Yes
Enge goocheldoos	49.98	Yes	Yes
PAW patrol speelset hoofdkwartier	49.99	Yes	Yes
Call of Duty Black ops II	50.00	No	No
Wii gaming console	99.98	No	No
Xbox gaming console	99.99	No	No
100 euro coupon	100.00	No	No
Nintendo switch	499.98	No	No
Nintendo switch Japanese	499.99	No	No
500 euro coupon	500.00	No	No
Parrot drone	500.01	No	No

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Price filter 50.00 – 99.99

Toyname	Price	Is toy expected to be shown?	Is toy actually shown
Jumbo Mens erger je niet!	9.98	No	No
Vtech baby rammelaar puppy	9.99	No	No
Dummie de mummie en de tombe van Achnetoet	10.00	No	No
Baby telefoon plastic	19.98	No	No
Wie is het?	19.99	No	No
Dobbelstenen	20.00	No	No
Enge goocheldoos	49.98	No	No
PAW patrol speelset hoofdkwartier	49.99	No	No
Call of Duty Black ops II	50.00	Yes	Yes
Wii gaming console	99.98	Yes	Yes
Xbox gaming console	99.99	Yes	Yes
100 euro coupon	100.00	No	No
Nintendo switch	499.98	No	No
Nintendo switch Japanese	499.99	No	No
500 euro coupon	500.00	No	No
Parrot drone	500.01	No	No

Price filter 100.00 – 499.99

Toyname	Price	Is toy expected to be shown?	Is toy actually shown
Jumbo Mens erger je niet!	9.98	No	No
Vtech baby rammelaar puppy	9.99	No	No
Dummie de mummie en de tombe van Achnetoet	10.00	No	No
Baby telefoon plastic	19.98	No	No
Wie is het?	19.99	No	No
Dobbelstenen	20.00	No	No
Enge goocheldoos	49.98	No	No
PAW patrol speelset hoofdkwartier	49.99	No	No
Call of Duty Black ops II	50.00	No	No
Wii gaming console	99.98	No	No
Xbox gaming console	99.99	No	No
100 euro coupon	100.00	Yes	Yes
Nintendo switch	499.98	Yes	Yes
Nintendo switch Japanese	499.99	Yes	Yes
500 euro coupon	500.00	No	No
Parrot drone	500.01	No	No

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Price filter 500.00 +

Toyname	Price	Is toy expected to be shown?	Is toy actually shown
Jumbo Mens erger je niet!	9.98	No	No
Vtech baby rammelaar puppy	9.99	No	No
Dummie de mummie en de tombe van Achnetoet	10.00	No	No
Baby telefoon plastic	19.98	No	No
Wie is het?	19.99	No	No
Dobbelstenen	20.00	No	No
Enge goocheldoos	49.98	No	No
PAW patrol speelset hoofdkwartier	49.99	No	No
Call of Duty Black ops II	50.00	No	No
Wii gaming console	99.98	No	No
Xbox gaming console	99.99	No	No
100 euro coupon	100.00	No	No
Nintendo switch	499.98	No	No
Nintendo switch Japanese	499.99	No	No
500 euro coupon	500.00	Yes	Yes
Parrot drone	500.01	Yes	Yes

Conclusions

The price range filters have been implemented correctly, the boundaries of the filters execute the expected behaviour in the proper way.

Though the price ranges of the filter have been accepted, it seems that in the final product some of these price ranges could be refined or gotten rid of altogether, as the webshop realistically doesn't sell anything that costs over 500 euro, and as such, this is something the project team and product owner should discuss in a coming meeting.