

## Task: Think about the regression testing for the product page functionality (black box testing):

1. What equivalence classes and boundary values could be defined for color? What values should be used to test color using this approach?

Product page:

[https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-strapless-ribbed-plush-tank-bodysuit/3171\\_5992\\_001?menu=cat4840004](https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-strapless-ribbed-plush-tank-bodysuit/3171_5992_001?menu=cat4840004)

The screenshot shows a product page for an AE Strapless Ribbed Plush Tank Bodysuit. At the top, there's a navigation bar with links for Today's Offers, Women, Men, Jeans, Shoes & Accessories, Swimsuits, Aerie, and Clearance. Below the navigation is a large image of a woman from the back, wearing the black bodysuit and blue jeans. To the right of her image is a front-facing image of the bodysuit. To the far right, the product title 'AE Strapless Ribbed Plush Tank Bodysuit' is displayed, along with a promotional offer 'Extra 25% Off with code EXTRA25'. Below the title, the price '\$24.95' is shown, followed by an 'afterpay' logo and text indicating availability for orders between \$35 - \$2000. A color selection section shows three options: Black (selected), Brown, and Heather Gray. Underneath the color options, the word 'Black' is written. At the bottom right, there's a 'Reviews' section showing a 3.0 rating based on 1 review.

There are 3 colors: Black, Brown, Heather Gray. Users can choose color by click. It can be checked how to change all 3 colors of the item. How the application works during the changing of these colors.

We can check clicking Black, then Brown and then Heather Gray color. And then Heather Gray color, Brown and Black. Then from Black to Heather Gray and from Heather Gray to Black.

2. What equivalence classes and boundary values could be defined for size? What values should be used to test size using this approach?

Product page:

[https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-sleeveless-lace-trim-bodysuit/3171\\_5822\\_182?menu=cat4840004](https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-sleeveless-lace-trim-bodysuit/3171_5822_182?menu=cat4840004)

Use code: EXTRA25 for an extra 25% off everything, today only! [Shop Women](#) + [Shop Men](#) + [Shop Aerie](#) + [Details](#)

25-40% off jeans & cargo pants! [Shop Women](#) + [Shop Men](#) + [Details](#)

Free shipping on orders \$75+ for Real Rewards members! [Sign In](#) or [Sign Up](#) [Details](#)

Today's Offers

Women ▾

Men ▾

Jeans ▾

Shoes & Accessories ▾

Swimsuits ▾

Aerie ▾

Clearance ▾



[Size Details](#)

Size	▲
XXS	-
XS	1
S	+
M	
L	
XL	

PICK A SIZE

In demand! 27 added to bag in the last 24 hours

We have different sizes:

XXS

XS

S

M

L

XL

XXL

We can test such Equivalence Classes:

Small

Medium

Large

Lower Boundary: The smallest size available - XXS. This represents the lower limit of sizes offered by the clothing manufacturer.

Upper Boundary: The largest size available - XXL. This represents the upper limit of sizes offered.

Near the Boundaries: Sizes just below the lower and upper boundaries, such as XS and XL. These are important for testing edge cases.

When selecting values to test the size of clothing using this approach, you would choose representative sizes from each equivalence class and specifically target the boundaries . For example:

Test with sizes like S, M, and L to cover small, medium, and large equivalence classes.

Test with sizes like XXS and XXL to cover the lower and upper boundaries.

Test with sizes like XS and XL to cover values near the boundaries.

### 3. What equivalence classes and boundary values could be defined for quantity? What values should be used to test quantity using this approach?

[https://www.ae.com/us/en/p/women/high-waisted-jeans/high-waisted-flare-bootcut-jeans/ae-stretch-high-waisted-skinny-kick-jean/0434\\_4594\\_857?menu=cat4840004](https://www.ae.com/us/en/p/women/high-waisted-jeans/high-waisted-flare-bootcut-jeans/ae-stretch-high-waisted-skinny-kick-jean/0434_4594_857?menu=cat4840004)

The screenshot shows a product page for women's jeans. At the top, there are three promotional banners: 'Up to 70% off clearance, featuring 70% final sale styles! New styles added!' with links to 'Shop Women' and 'Shop Men', and two others for 'All clearance jeans: \$24.99!' and '25-40% off jeans & cargo pants!' with similar links. Below these are navigation links for 'Today's Offers', 'Women', 'Men', 'Jeans', 'Shoes & Accessories', 'Swimsuits', 'Aerie', and 'Clearance'. The main image shows the back view of a person wearing the jeans. A second image shows the front view of the jeans. To the right, the price is listed as '\$59.95' with an option for '4 interest-free installments of \$14.99 by afterpay'. A color swatch indicates 'Medium Bright Indigo'. Below the images, a progress bar shows 'Going fast! 1,263 added to bag in the last 24 hours'. On the right side, there are sections for 'Reviews' (4.7 stars from 252 reviews), 'Size Details' (selected '000 Regular'), and a 'Add to Bag (Before It's Gone)' button.

Up to 70% off clearance, featuring 70% final sale styles! New styles added! [Shop Women](#) + [Shop Men](#) + [Details](#)

All clearance jeans: \$24.99! [Shop Women](#) [Shop Men](#) [Details](#)

25-40% off jeans & cargo pants! [Shop Women](#) + [Shop Men](#) + [Details](#)

Today's Offers [Women](#) [Men](#) [Jeans](#) [Shoes & Accessories](#) [Swimsuits](#) [Aerie](#) [Clearance](#)



Price: **\$59.95**  
or 4 interest-free installments of \$14.99 by [afterpay](#)

Color:  Medium Bright Indigo

Reviews:  4.7 (252)

Size Details  
Size: 000 Regular [-](#) [9](#) [+](#)

[Add to Bag \(Before It's Gone\)](#)

We have values for Quantities from 1 to 9.

The boundary values are:

1 - is the smallest one

9 - is the biggest one

We need to check quantities : 1,2, 5, 8,9

#### 4. Write one test case for each parameter.

<a href="#">ADD</a>	<a href="#">▼</a>	<a href="#">≡</a>	<a href="#">⚙️</a>				
<input type="checkbox"/>	ID	Title		Test Status	Created At	Action	
<input type="checkbox"/>	 M20-TC1830	Black Box Regression: Changing color for a product.		<a href="#">In Progress</a>	January 31, 2024	<a href="#"></a>	
<input type="checkbox"/>	 M20-TC1831	Black Box Regression: Changing size for a product.		<a href="#">In Progress</a>	January 31, 2024	<a href="#"></a>	
<input type="checkbox"/>	 M20-TC1832	Black Box Regression: Choosing maximum quantity of a product.		<a href="#">In Progress</a>	January 31, 2024	<a href="#"></a>	

4.1 The list of values we should use to cover the product color parameter: ... Example of test case:  
M20-TC1830

MTI 2023 / Test Design / MTI 2023.7 / Papara I / HW 21.4  
 M20-TC1830 - V.1 - Black Box Regression: Changing color for a product. < 1/3 > :

DETAILS	TEST SCRIPT	EXECUTION	SUB TASKS	ATTACHMENTS
Title*	Black Box Regression: Changing color for a product.			Test Status* In Progress
Test Objectives	Check that colors of a product can be changed.			Priority Click to add a value
Precondition(s)	Cache and cookies are cleared. Product page is opened Product has at least 2 different colors Size is chosen			Responsible - Owner Click to add a value
Postcondition(s)	<i>Click to add a value</i>			Created At January 31, 2024 5:51 AM
Additional Informations	Product page <a href="https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-strapless-ribbed-plush-tank-bodysuit/3171_5992_200?menu=cat4840004">https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-strapless-ribbed-plush-tank-bodysuit/3171_5992_200?menu=cat4840004</a>			

MTI 2023 / Test Design / MTI 2023.7 / Papara I / HW 21.4  
 M20-TC1830 - V.1 - Black Box Regression: Changing color for a product. < 1/3 > :

DETAILS	TEST SCRIPT	EXECUTION	SUB TASKS	ATTACHMENTS												
Category: Steps																
<b>Steps</b> <span style="font-size: small;">+ </span> <table border="1"> <thead> <tr> <th>#</th> <th>Test Instructions</th> <th>Test Data</th> <th>Expected Results</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Choose another color of a product. Press button with another color</td> <td><i>Click to add text</i></td> <td>Color is changed. Picture of a product is with color, that was chosen. Url of product is changed. Button "Add to bag" is active</td> </tr> <tr> <td>2</td> <td>Press button "Add to bag"</td> <td><i>Click to add text</i></td> <td>In pop-up window chosen item with chosen color is shown</td> </tr> </tbody> </table>					#	Test Instructions	Test Data	Expected Results	1	Choose another color of a product. Press button with another color	<i>Click to add text</i>	Color is changed. Picture of a product is with color, that was chosen. Url of product is changed. Button "Add to bag" is active	2	Press button "Add to bag"	<i>Click to add text</i>	In pop-up window chosen item with chosen color is shown
#	Test Instructions	Test Data	Expected Results													
1	Choose another color of a product. Press button with another color	<i>Click to add text</i>	Color is changed. Picture of a product is with color, that was chosen. Url of product is changed. Button "Add to bag" is active													
2	Press button "Add to bag"	<i>Click to add text</i>	In pop-up window chosen item with chosen color is shown													

4. 2. The list of values we should use to cover the product size parameter: ... Example of test case: M20-TC1831



## DETAILS

## TEST SCRIPT

## EXECUTION

## SUB TASKS

## ATTACHMENTS

## Title\*

Black Box Regression: Changing size for a product.

## Test Status\*

In Progress

## Test Objectives

Check that size of a product can be changed

## Priority

Click to add a value

## Precondition(s)

Cache and cookies are cleared.

Product page is opened

There is at least 2 different sizes of a product

There are no other colors to choose or a color is chosen

## Responsible - Owner

Click to add a value

## Created At

January 31, 2024 5:51 AM

## Postcondition(s)

Click to add a value

## Additional Informations

Product page

[https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-sleeveless-lace-trim-bodysuit/3171\\_5822\\_182?menu=cat4840004](https://www.ae.com/us/en/p/women/bodysuits/bodysuits/ae-sleeveless-lace-trim-bodysuit/3171_5822_182?menu=cat4840004)



## DETAILS

## TEST SCRIPT

## EXECUTION

## SUB TASKS

## ATTACHMENTS

Category: Steps

## Steps

#	Test Instructions	Test Data	Expected Results
1	Click on size with drop down menu. Choose one of the sizes.	Click to add text	Drop down menu is closed. Chosen size is shown. Button "Add to bag" is available
2	Press button "Add to bag"	Click to add text	In pop-up window "Added to bag" chosen product with correct size is shown

3. The list of values we should use to cover the product quantity parameter: ... Example of test case:  
M20-TC1832



## DETAILS

## TEST SCRIPT

## EXECUTION

## SUB TASKS

## ATTACHMENTS

## Title\*

Black Box Regression: Choosing maximum quantity of a product.

## Test Status\*

In Progress

## Test Objectives

Check that it is possible to choose maximum quantity of a product

## Priority

Click to add a value

## Precondition(s)

Cache and cookies are cleared.

Product page is opened

Product has a maximum quantity 9 items

Size is chosen

## Responsible - Owner

Click to add a value

## Created At

January 31, 2024 5:53 AM

## Postcondition(s)

Click to add a value

## Additional Informations

[https://www.ae.com/us/en/p/women/high-waisted-jeans/high-waisted-flare-bootcut-jeans/ae-stretch-high-waisted-skinny-kick-jean/0434\\_4594\\_857?menu=cat4840004](https://www.ae.com/us/en/p/women/high-waisted-jeans/high-waisted-flare-bootcut-jeans/ae-stretch-high-waisted-skinny-kick-jean/0434_4594_857?menu=cat4840004)

## DETAILS

## TEST SCRIPT

## EXECUTION

## SUB TASKS

## ATTACHMENTS

Category: Steps

## Steps

#	Test Instructions	Test Data	Expected Results	
1	Click on button "+" till max of value is 9	Click to add text	In the quantity field is shown 9 - it is max number for product quantity. Button "+" does not work now. Does not add any items to the bag.	
2	Press button "Add to bag"	Click to add text	In pop-up window QTY 9 of a product is shown	