XPath - Cheat Sheet



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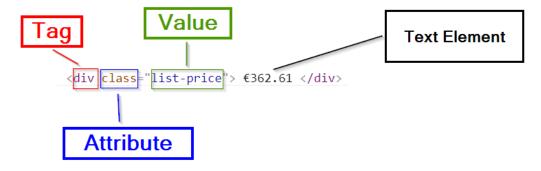
1. Why are XPath Locators important?

- Different locators to target specific elements : ID,
 Class, LinkText etc.
- Alternative: XPath (don't rely on other locators)
- XML Path you use to navigate through the HTML structure of a website
- Our overall goal is to create an expression which points to a unique element/list of elements (-> XPath)

Don't get confused! – we will cover everything with examples 😂

2. XPath-Syntax

//tag[@attribute="value"]



Example 1: List of Elements – not unique!



Example 2: List of an Element (!) - (unique!)



Example 3: List of Elements – not unique!



Example 4: List of an Element (!) - (unique!)



3. Absolute and Relative XPath

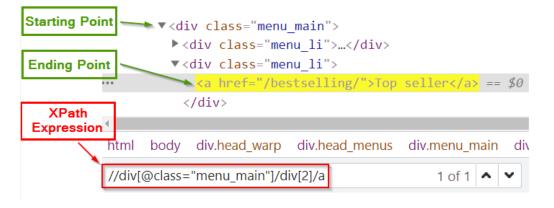
Absolute XPath: Complete Path from Root Element

Relative XPath: You choose the Element you want to start from (important: Use "//" if you choose the Relative XPath)

Use Case Example (we want to target the "Top Seller" Text Element)



Relative XPath:



Absolute Xpath:

```
<!DOCTYPE html>
                                                       Starting Element
<html class style="height: 100%;"> -
                                                        (Root Element)
  ▶ <head>...</head>
  ▼ <body style="position: relative; min-height: 100%; top: 0px;">
••• ▼<div class="head warp"> == $0
      ▶ <div class="head_r_naiv_bg">...</div>
      ▶ <div class="head M navi">...</div>
     ▼<div class="head menus">
        ▶ <div class="shop_cate" id="shopCate">...</div>
       ▼<div class="menu main">
         ▶ <div class="menu li">...</div>
         ▼<div class="menu_li">
                                                             Ending Element
             <a href="/bestselling/">Top seller</a> -
           //div
html body div.head warp
                                            XPath
                                         Expression
html/body/div/div[3]/div[2]/div[2]/a
                                                                         1 of 1 ^
```

4. Difference between "/" and "//" in XPath-Expressions

• "/" (single Slash) is used to target the immediate children of a node.

Example: //div[@class="menu-main"]/div[2]/div[3]/div[1]/ul/li/a

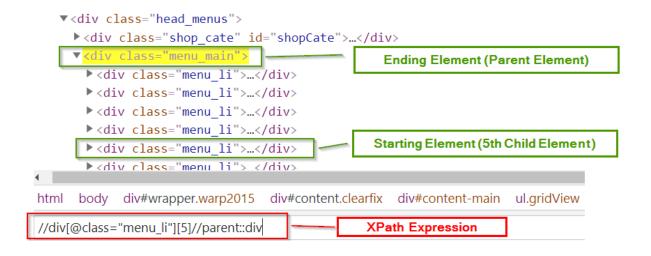
• "//" (double Slash) is used to target child elements but this child elements do not have to be the immediate children

Example: //div[@class="menu-main"]//ul/li/a

5. Parents and Siblings Logic

Parent XPath

Syntax: XPath-Expression(Child Element)/parent::<tag>



Sibling (Preceding)

Syntax: XPath-Expression/preceding-sibling::<tag>

Sibling (Following)

Syntax: XPath-Expression/following-sibling::<tag>

