

WCMS / Content Catalogs / SmartEdit

WCMS = Web Content Management System

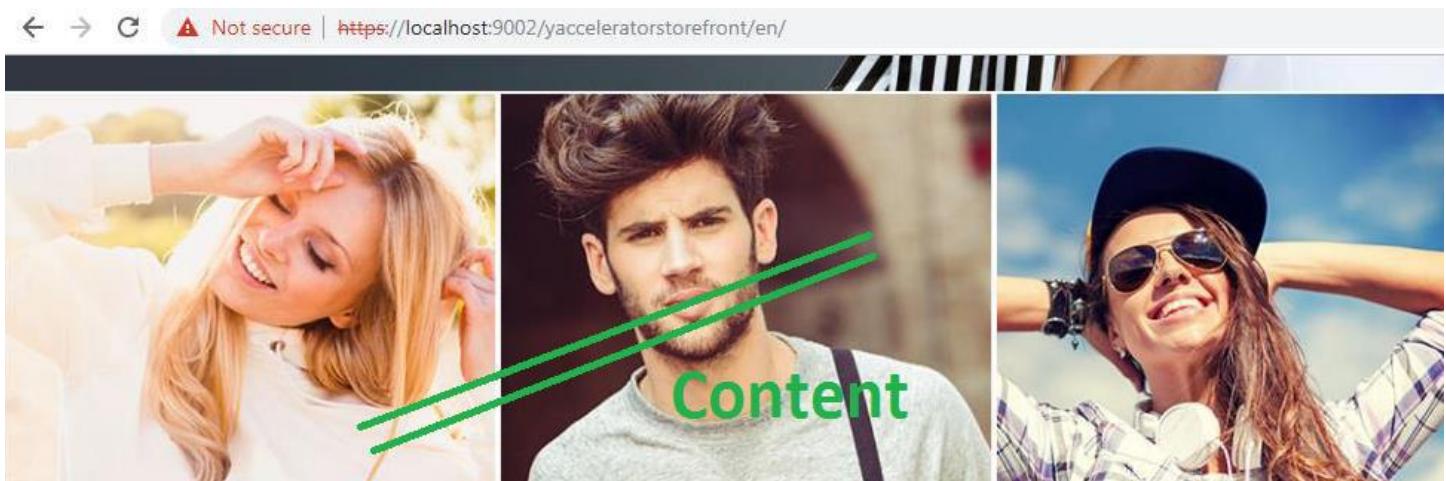
You take any eComm site – There will be mainly 2 important things: -

1) Content

2) Products

For content purpose – We will have “**Content Catalogs**”.

SAP Comm provides “**OOTB**” Data models [“CMSSite ... CMSPage ... ContentSlotName... ”] for content purpose.



Whatever we see on here is called **Content**.
This content changes very frequently.

Q = Do you think that, Development team will manage this content? = **No**.

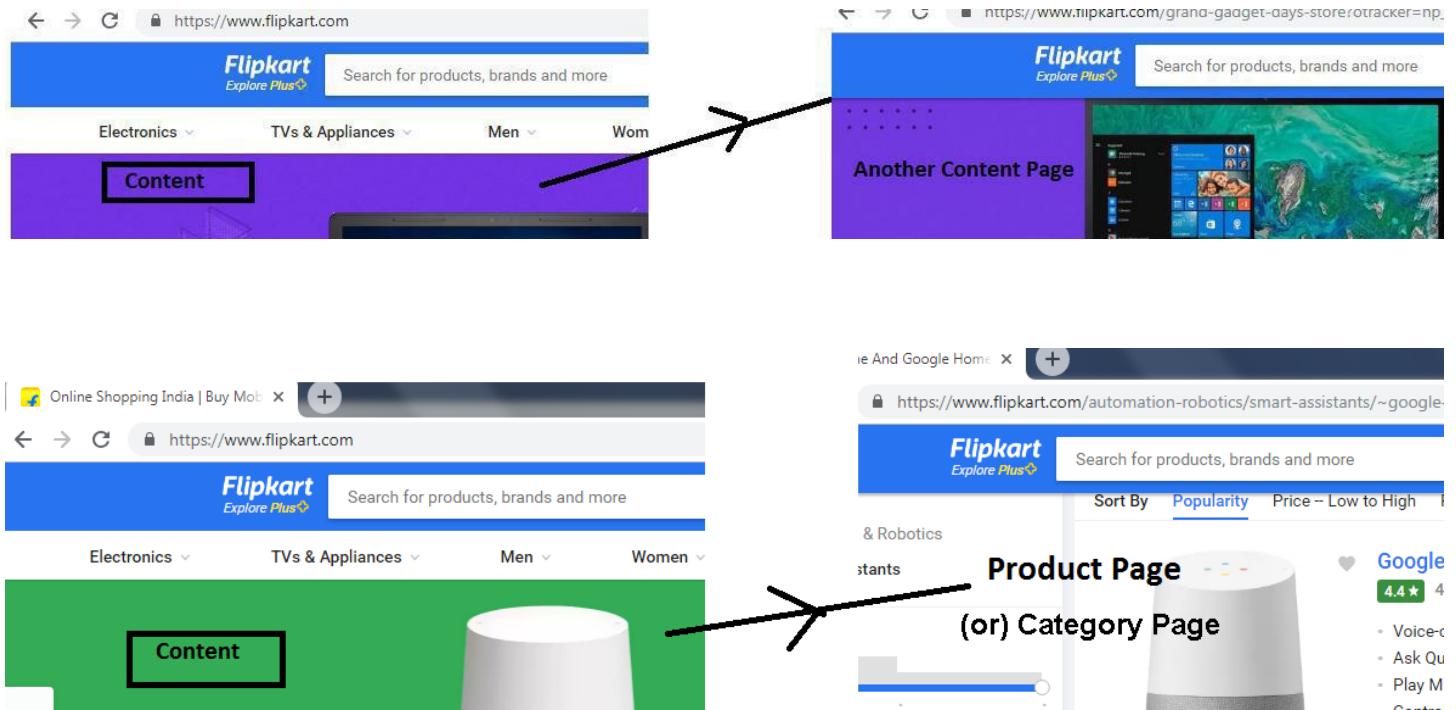
Generally in companies, there will be specific people – We call them as “**Content Manager [CM]**”.
These people are responsible to manage this Content.

Q = Do you think that this CM are Technical? = **No**.
If CM is not Technical, then how can they manage this Content?

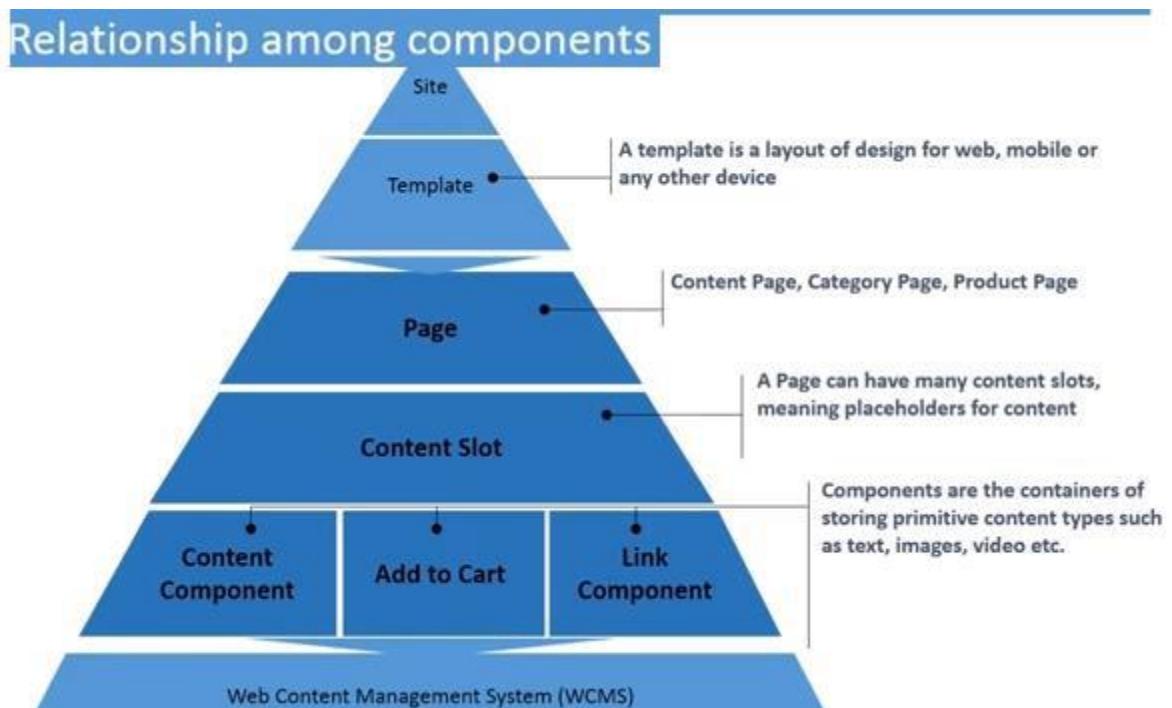
▪ “**SAP Commerce**” provides small software called as “**Cockpits / SmartEdit / ...**”.
For Content Purpose -- We have -- “**CMS Cockpit / SmartEdit**”.

By using this “**SmartEdit**” tool –
The CM can manage the content easily.

Note = When we click on Content → We may go to another content page (or) Product page.



Scenario = WCMS Architect?



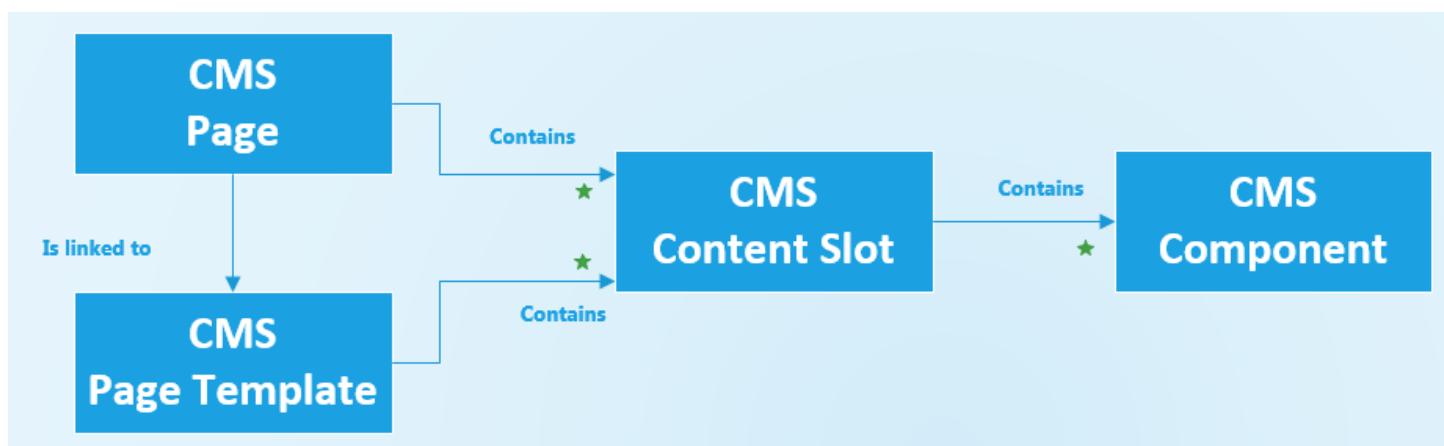
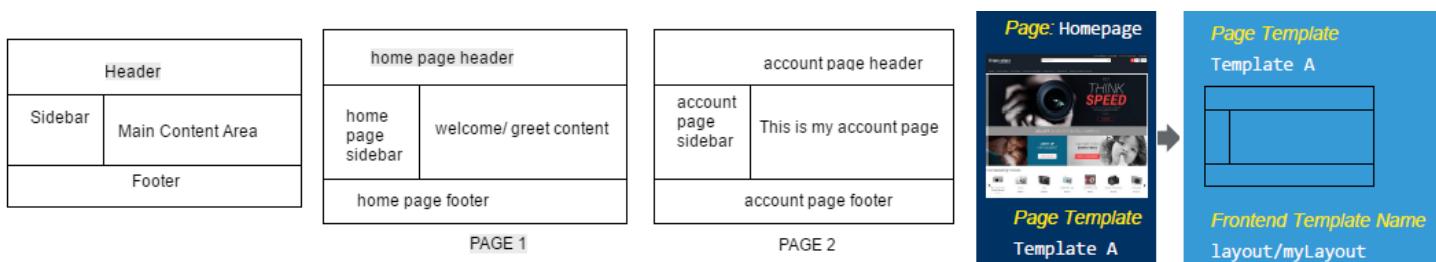
PowerPoint	WebSite / Site
Slides	Pages
1) Normal – Blank Presentation	1) Create page directly
2) Templates	2) Create page with Templates
Within Containers – We are putting the “Objects” like: - 1) Text 2) Images 3) Attachments 4) ===	Within “Content Slots” – We are putting “Components” like: - 1) Content Component 2) Link Component 3) Add to Cart 4) ===

Q = What are the WCMS Jargons?

- | | | |
|------------------|----------------------|-----------------|
| 1) Website | 2) Tempaltes | 4) Pages |
| 4) Content slots | 5) Content slot name | 6) Compoents == |

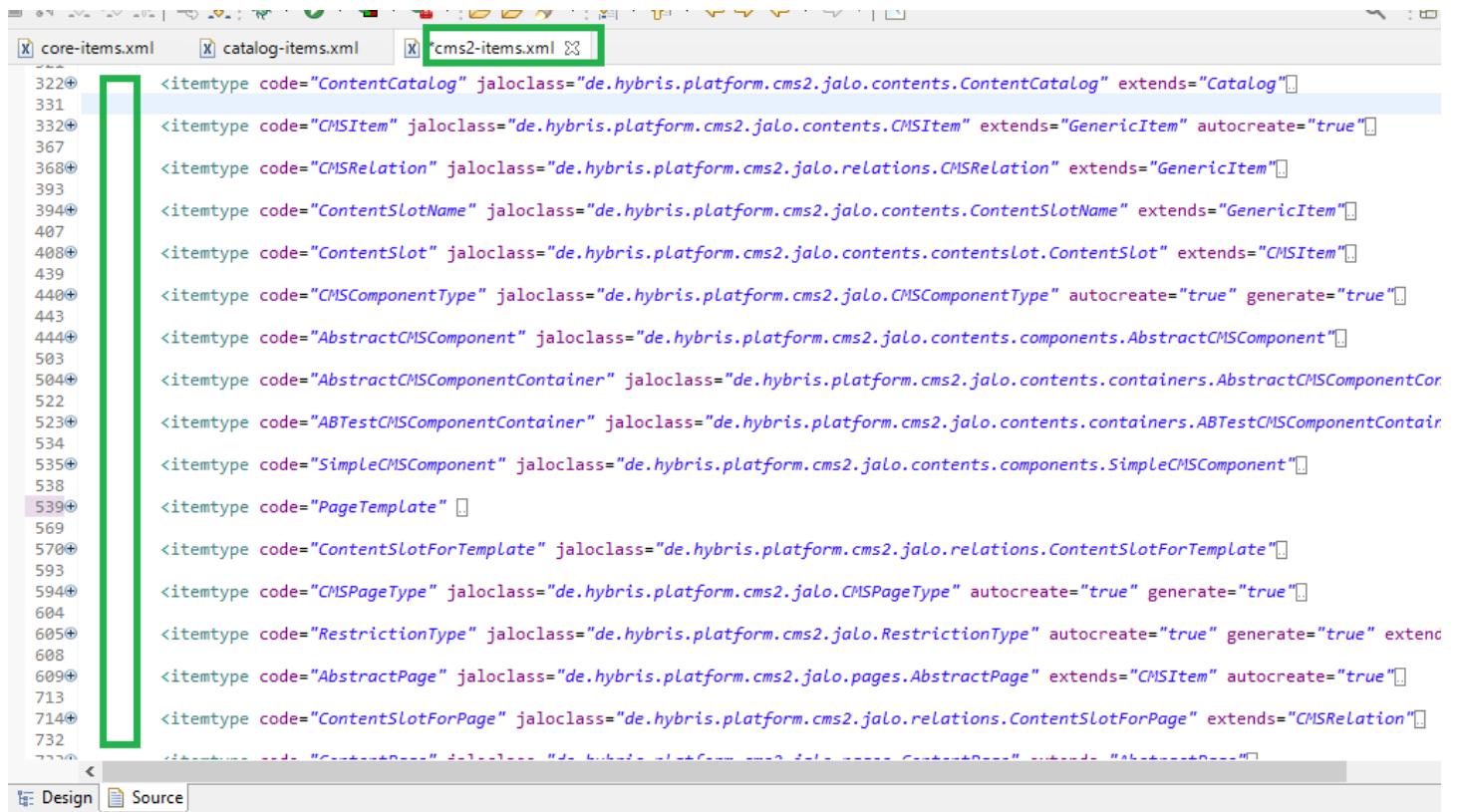
WCMS = Follows the MVC architecture.

MVC = Model View Controller



Scenario = “SAP Comm” provides lots of tables for “Content” purpose.

Examples =



```
core-items.xml catalog-items.xml cms2-items.xml
322+ <itemtype code="ContentCatalog" jaloclass="de.hybris.platform.cms2.jalo.contents.ContentCatalog" extends="Catalog" 331
332+ <itemtype code="CMSItem" jaloclass="de.hybris.platform.cms2.jalo.contents.CMSItem" extends="GenericItem" autocreate="true" 367
368+ <itemtype code="CMSRelation" jaloclass="de.hybris.platform.cms2.jalo.relations.CMSRelation" extends="GenericItem" 393
394+ <itemtype code="ContentSlotName" jaloclass="de.hybris.platform.cms2.jalo.contents.ContentSlotName" extends="GenericItem" 407
408+ <itemtype code="ContentSlot" jaloclass="de.hybris.platform.cms2.jalo.contents.contentslot.ContentSlot" extends="CMSItem" 439
440+ <itemtype code="CMSComponentType" jaloclass="de.hybris.platform.cms2.jalo.CMSComponentType" autocreate="true" generate="true" 443
444+ <itemtype code="AbstractCMSComponent" jaloclass="de.hybris.platform.cms2.jalo.contents.components.AbstractCMSComponent" 503
503+ <itemtype code="AbstractCMSComponentContainer" jaloclass="de.hybris.platform.cms2.jalo.contents.containers.AbstractCMSComponentCor 522
523+ <itemtype code="ABTestCMSComponentContainer" jaloclass="de.hybris.platform.cms2.jalo.contents.containers.ABTestCMSComponentContain 534
535+ <itemtype code="SimpleCMSComponent" jaloclass="de.hybris.platform.cms2.jalo.contents.components.SimpleCMSComponent" 538
539+ <itemtype code="PageTemplate" 569
570+ <itemtype code="ContentSlotForTemplate" jaloclass="de.hybris.platform.cms2.jalo.relations.ContentSlotForTemplate" 593
594+ <itemtype code="CMSPageType" jaloclass="de.hybris.platform.cms2.jalo.CMSPageType" autocreate="true" generate="true" 604
605+ <itemtype code="RestrictionType" jaloclass="de.hybris.platform.cms2.jalo.RestrictionType" autocreate="true" generate="true" extend 608
609+ <itemtype code="AbstractPage" jaloclass="de.hybris.platform.cms2.jalo.pages.AbstractPage" extends="CMSItem" autocreate="true" 713
714+ <itemtype code="ContentSlotForPage" jaloclass="de.hybris.platform.cms2.jalo.relations.ContentSlotForPage" extends="CMSRelation" 732
733+ <itemtype code="ContentPage" jaloclass="de.hybris.platform.cms2.jalo.pages.ContentPage" extends="AbstractPage" 754
755+ <itemtype code="CategoryPage" jaloclass="de.hybris.platform.cms2.jalo.pages.CategoryPage" extends="AbstractPage" 758
759+ <itemtype code="ProductPage" jaloclass="de.hybris.platform.cms2.jalo.pages.ProductPage" extends="AbstractPage" 762
763+ <itemtype code="CatalogPage" jaloclass="de.hybris.platform.cms2.jalo.pages.CatalogPage" extends="AbstractPage" 766
767+ <itemtype code="AbstractRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.AbstractRestriction" extends="CMSItem" 792
793+ <itemtype code="CMSCatalogRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CatalogRestriction" 802
803+ <itemtype code="CMSInverseRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CMSInverseRestriction" 812
813
814+ <itemtype code="CMSCategoryRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CategoryRestriction" 842
843+ <itemtype code="CMSProductRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.ProductRestriction" 865
866+ <itemtype code="CMSTimeRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.TimeRestriction" extends="AbstractRestricti 887
888+ <itemtype code="CMSUserRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.UserRestriction" extends="AbstractRestricti 897
898+ <itemtype code="CMSUserGroupRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.GroupRestriction" 912
913+ <itemtype code="CMSCampaignRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CampaignRestriction" extends="AbstractR 922
923+ <itemtype code="CMSSite" 994
995+ <itemtype code="CMSParagraphComponent" generate="true" 1004
1005+ <itemtype code="CMSImageComponent" generate="true" jaloclass="de.hybris.platform.cms2.jalo.contents.components.CMSImageComponent" 1012
```



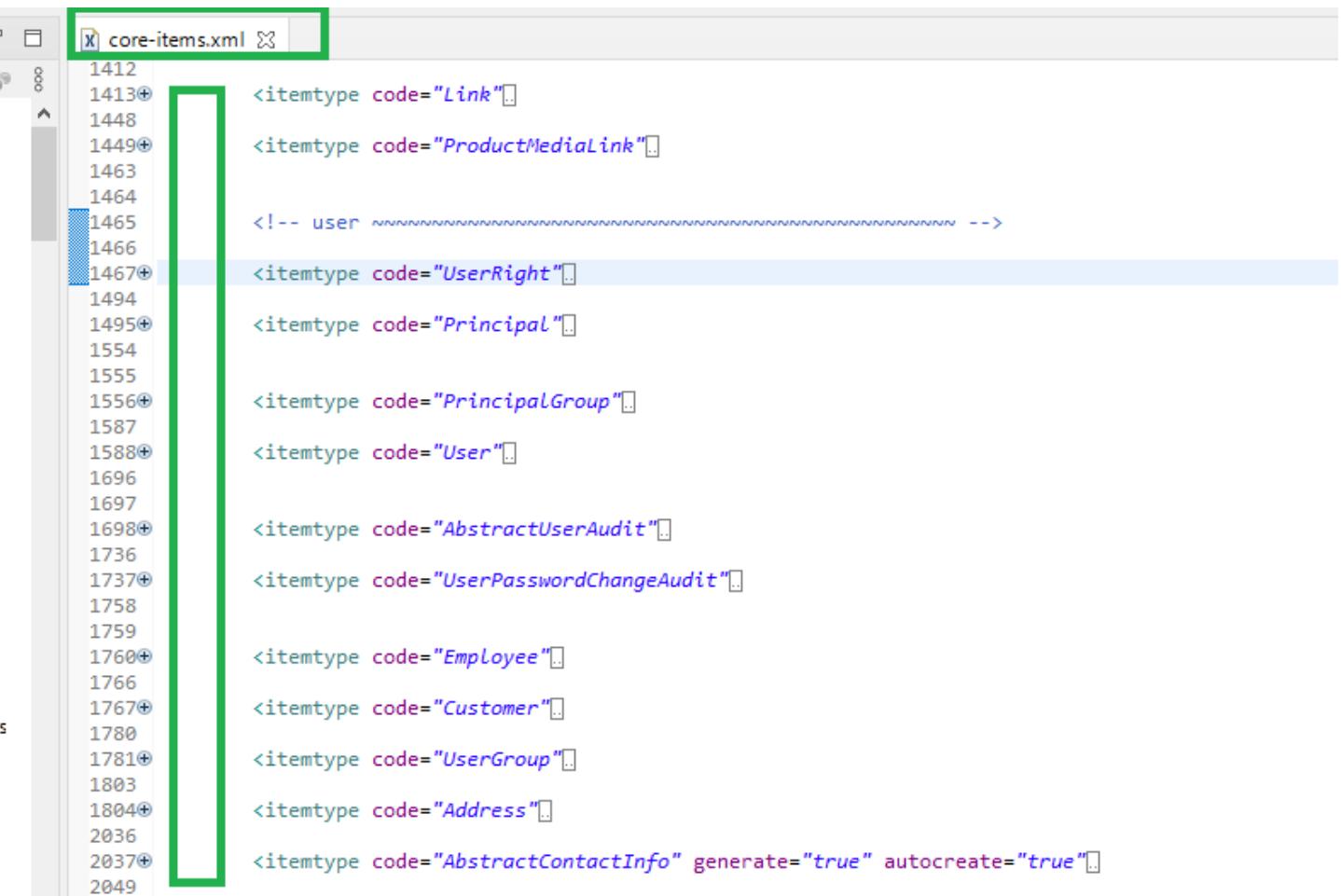
```
core-items.xml catalog-items.xml *cms2-items.xml
733+ <itemtype code="ContentPage" jaloclass="de.hybris.platform.cms2.jalo.pages.ContentPage" extends="AbstractPage" 754
755+ <itemtype code="CategoryPage" jaloclass="de.hybris.platform.cms2.jalo.pages.CategoryPage" extends="AbstractPage" 758
759+ <itemtype code="ProductPage" jaloclass="de.hybris.platform.cms2.jalo.pages.ProductPage" extends="AbstractPage" 762
763+ <itemtype code="CatalogPage" jaloclass="de.hybris.platform.cms2.jalo.pages.CatalogPage" extends="AbstractPage" 766
767+ <itemtype code="AbstractRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.AbstractRestriction" extends="CMSItem" 792
793+ <itemtype code="CMSCatalogRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CatalogRestriction" 802
803+ <itemtype code="CMSInverseRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CMSInverseRestriction" 812
813
814+ <itemtype code="CMSCategoryRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CategoryRestriction" 842
843+ <itemtype code="CMSProductRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.ProductRestriction" 865
866+ <itemtype code="CMSTimeRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.TimeRestriction" extends="AbstractRestricti 887
888+ <itemtype code="CMSUserRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.UserRestriction" extends="AbstractRestricti 897
898+ <itemtype code="CMSUserGroupRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.GroupRestriction" 912
913+ <itemtype code="CMSCampaignRestriction" jaloclass="de.hybris.platform.cms2.jalo.restrictions.CampaignRestriction" extends="AbstractR 922
923+ <itemtype code="CMSSite" 994
995+ <itemtype code="CMSParagraphComponent" generate="true" 1004
1005+ <itemtype code="CMSImageComponent" generate="true" jaloclass="de.hybris.platform.cms2.jalo.contents.components.CMSImageComponent" 1012
```

The screenshot shows a code editor window with the tab 'catalog-items.xml' selected. The code lists various item types with their corresponding attributes and descriptions. A green vertical bar highlights the entire list of item types.

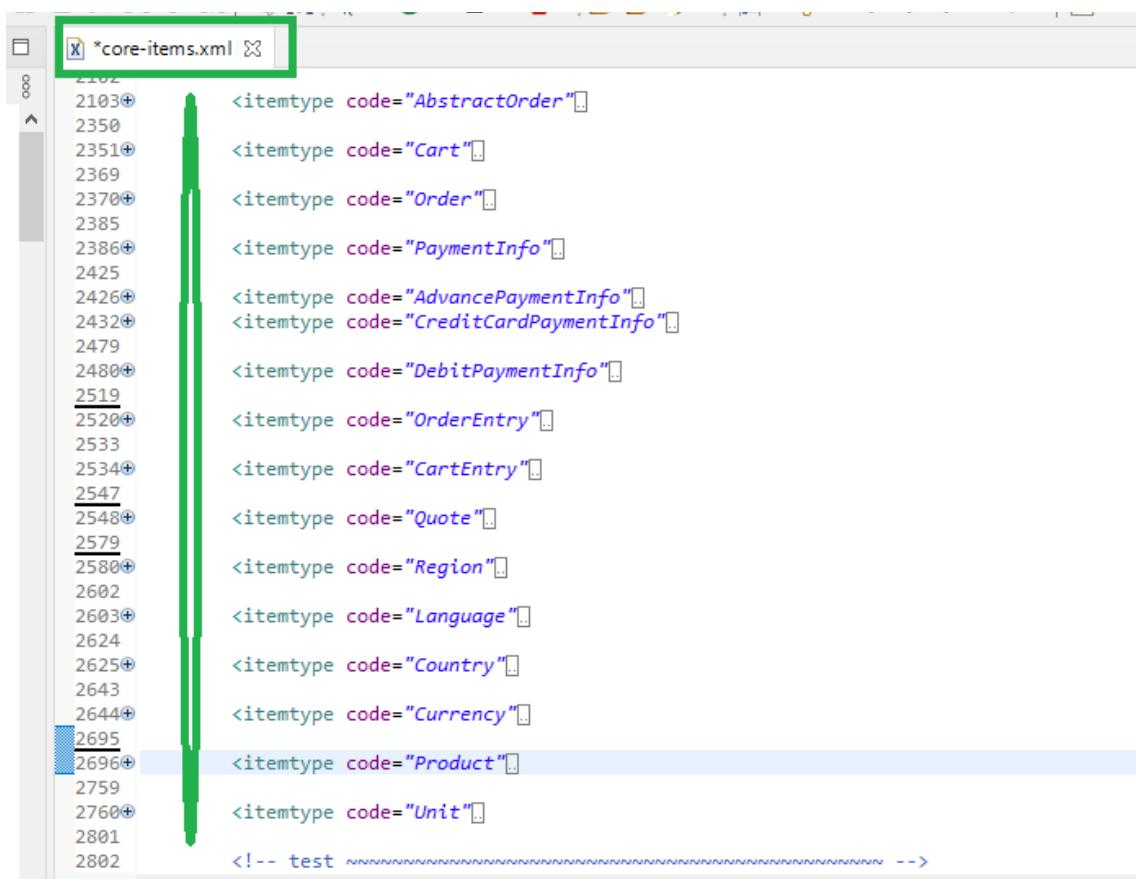
```
533<itemtype code="Catalog">
534<itemtype code="AbstractConfiguratorSetting">
535<itemtype code="AbstractOrderEntryProductInfo">
536<itemtype code="Keyword">
537<itemtype code="Address" autocreate="false" generate="false">
538<itemtype code="Company">
539<itemtype code="Agreement">
540<itemtype code="CatalogVersion">
541<itemtype code="Category">
542<itemtype code="ConfigurationCategory" jaloClass="de.hybris.platform.category.jalo.ConfigurationCategory">
543<itemtype code="Product" autocreate="false" generate="false">
544<itemtype code="Media" autocreate="false" generate="false">
545<itemtype code="CatalogUnawareMedia" autocreate="true" generate="true" extends="Media">
546<itemtype code="Formatter" autocreate="false" generate="false">
547<itemtype code="Document" autocreate="false" generate="false">
548<itemtype code="MediaContainer" autocreate="false" generate="false">
```

The screenshot shows a continuation of the code editor window for 'catalog-items.xml'. The code defines several more item types, including Customer, ProductReference, CatalogOverview, and various cron jobs. A green vertical bar highlights the list of item types.

```
1656<itemtype code="Customer" autocreate="false" generate="false">
1657<itemtype code="ProductReference">
1658<itemtype code="CatalogOverview" extends="Item" metatype="ViewType">
1659<itemtype code="DuplicateCatalogItemCodesView">
1660<itemtype code="CompareCatalogVersionsCronJob">
1661<itemtype code="RemoveCatalogVersionCronJob">
1662<itemtype code="RemoveCatalogVersionJob">
1663<itemtype code="AttributeDescriptor" autocreate="false" generate="false">
1664<itemtype code="CatalogVersionDifference">
1665<itemtype code="ProductCatalogVersionDifference">
1666<itemtype code="CategoryCatalogVersionDifference">
1667<itemtype code="PreviewTicket">
1668<itemtype code="User" autocreate="false" generate="false">
1669<!-- category items -->
1670<!-- workaround for missing attribute accesses and constants -->
1671<!-- necessary any more??>
```



```
1412 <itemtype code="Link"..
1413+ <itemtype code="ProductMediaLink"..
1448
1449+ <!-- user ~~~~~ -->
1463
1464
1465
1466
1467+ <itemtype code="UserRight"..
1494
1495+ <itemtype code="Principal"..
1554
1555
1556+ <itemtype code="PrincipalGroup"..
1587
1588+ <itemtype code="User"..
1696
1697
1698+ <itemtype code="AbstractUserAudit"..
1736
1737+ <itemtype code="UserPasswordChangeAudit"..
1758
1759
1760+ <itemtype code="Employee"..
1766
1767+ <itemtype code="Customer"..
1780
1781+ <itemtype code="UserGroup"..
1803
1804+ <itemtype code="Address"..
2036
2037+ <itemtype code="AbstractContactInfo" generate="true" autocreate="true"..
2049
```



```
2102 <itemtype code="AbstractOrder"..
2103+ <itemtype code="Cart"..
2350
2351+ <itemtype code="Order"..
2369
2370+ <itemtype code="PaymentInfo"..
2385
2386+ <itemtype code="AdvancePaymentInfo"..
2425
2426+ <itemtype code="CreditCardPaymentInfo"..
2432+ <itemtype code="DebitPaymentInfo"..
2479
2480+ <itemtype code="OrderEntry"..
2519
2520+ <itemtype code="CartEntry"..
2533
2534+ <itemtype code="Quote"..
2547
2548+ <itemtype code="Region"..
2579
2580+ <itemtype code="Language"..
2602
2603+ <itemtype code="Country"..
2624
2625+ <itemtype code="Currency"..
2643
2644+ <itemtype code="Product"..
2695
2696+ <itemtype code="Unit"..
2759
2760+ <!-- test ~~~~~ -->
2801
2802
```

Scenario = Backoffice – WCMS

SAP Administration Cockpit

Filter tree (Alt+Down for options)

- WCMS**
- Website
- Page Type
- Page Template
- Content Slot Relation for a Page Template
- Page
- Content Slot
- Content Slot Relation for a Page
- Component
- Component Type Group
- Simple CMS Action
- Component Container

SEARCH

ID	Catalog Version	Position	Page
Section1toDemo	Electronics Content Catalog : Online	Section1	Sample Demo Page
Section1toDemo	Electronics Content Catalog : Stag...	Section1	Sample Demo Page
BodyContent-My-Coupons	Electronics Content Catalog : Online	BodyContent	My Coupons Page
BodyContent-My-Coupons	Electronics Content Catalog : Stag...	BodyContent	My Coupons Page
BodyContent-update-support-ticket	Electronics Content Catalog : Online	BodyContent	Update Support Ticket Page
SideContent-update-support-ticket	Electronics Content Catalog : Online	SideContent	Update Support Ticket Page
BodyContent-add-support-ticket	Electronics Content Catalog : Online	BodyContent	Add Support Ticket Page

0 ITEMS SELECTED

Not secure | localhost:9002/backoffice/

SAP Administration Cockpit

Filter tree (Alt+Down for options)

- WCMS**
- Website**
- Page Type
- Page Template
- Content Slot Relation for a Page Template
- Page
- Content Slot
- Content Slot Relation for a Page

SEARCH

ID	Name	Acti...	Content Catalogs
electronics	Electronics Site	true	Electronics Content Catalog
powerto...	Powertools Site	true	Powertools Content Catalog
apparel-de	Apparel Site DE	true	Apparel DE Content Catalog
apparel-uk	Apparel Site UK	true	Apparel UK Content Catalog

These all website we are getting bcoz CX recipe installed.

SAP Administration Cockpit

Filter tree (Alt+Down for options)

- WCMS**
- Website
- Page Type
- Page Template**
- Content Slot Relation for a Page Template
- Page
- Content Slot
- Content Slot Relation for a Page

SEARCH

ID	Name	Catalog Version
ProductConfigurationOverviewTemplate	Product Configuration Overview Template	Electronics Content Catalog : Online
ProductConfigurationTemplate	Product Configuration Template	Electronics Content Catalog : Online
ProductConfigurationOverviewTemplate	Product Configuration Overview Template	Electronics Content Catalog : Stag...
ProductConfigurationTemplate	Product Configuration Template	Electronics Content Catalog : Stag...
CustomerCouponEmailTemplate	Customer Coupon Alert Template	Electronics Content Catalog : Online

Pages =

SAP Administration Cockpit

Filter tree (Alt+Down for options)

WCMS

- Website
- Page Type
- Page Template
- Content Slot Relation for a Page Template
- Page**
- Content Slot
- Content Slot Relation for a Page
- Component
- Component Type Group
- Simple CMS Action

Page

Global Operator: And Include subtypes **SEARCH**

Attribute	Comparator	Value
Catalog Version	Equals	Apparel UK Content Catalog : Staged
Page Template	Equals	
Approval Status	Equals	

73 items

Page ID	Page Name	Catalog Version	Page Template
homepage	Homepage	Apparel UK Content Catalog : Staged	Landing Page 2 Template
SurfCategoryPage	Surf Category Page	Apparel UK Content Catalog : Staged	Landing Page 2 Template
productDetails	Product Details	Apparel UK Content Catalog : Staged	Product Details Page

SAP Administration Cockpit

Filter tree (Alt+Down for options)

WCMS

- Website
- Page Type
- Page Template
- Content Slot Relation for a Page Template
- Page
- Content Slot
- Content Slot Relation for a Page
- Component**
- Component Type Group
- Simple CMS Action
- Component Container

Component

Global Operator: And Include subtypes **SEARCH**

Attribute	Comparator	Value	Sort Order
Catalog Version	Equals	Apparel UK Content Catalog : Staged	
Visible	Equals	True	
Actions	Contains		

298 items

ID	Name	Catalog Version
SiteLogoComponent	Site Logo Component	Apparel UK Content Catalog : Staged
MyAccountComponent	My Account	Apparel UK Content Catalog : Staged
SearchBox	Search Box	Apparel UK Content Catalog : Staged

Order Component	Apparel UK Content Catalog :
OrderComponent	Apparel UK Content Catalog :
MiniCart	Apparel UK Content Catalog :
ApparelUKCategoryNavComponent	Apparel UK Content Catalog :
breadcrumbComponent	Apparel UK Content Catalog :
FooterNavigationComponent	Apparel UK Content Catalog :
RefinementFacetComponent	Apparel UK Content Catalog :
VariantSelector	Apparel UK Content Catalog :
AddToCart	Apparel UK Content Catalog :

Scenario = “Hide / Display” the Components?

SAP Snow Jackets | Snowwear men | SAP CX Backoffice | Not secure | localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/c/1901010

B2C Accelerator

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CATEGORIES / SNOWWEAR MEN / SNOW JACKETS

Shop by Stores

SORT BY: RELEVANCE

Req = Your company don't want this Breadcrumb

Solution =

Administration Cockpit

Filter tree (Alt+Down for options)

WCMS

Website

Page Type

Page Template

Content Slot Relation for a Page Template

Page

Content Slot

Content Slot Relation for a Page

Component

Component Type Group

Simple CMS Action

Component

Global Operator: And Include subtypes

Attribute	Comparator	Value	Sort Order
Catalog Version	Equals	Apparel UK Content Catalog : Online	<input type="button"/>
ID	Contains	breadcrumb	<input type="button"/>
Visible	Equals	<input type="radio"/> True <input type="radio"/> False	<input type="button"/>
Actions	Contains	<input type="button"/>	<input type="button"/>

1 items

ID	Name	Catalog Version	Visible
breadcrumbCompone...	Breadcrumb CMS Compone...	Apparel UK Content Catalog : Online	true

WCMS

Website

Page Type

Page Template

Content Slot Relation for a Page

Component

Content Slot

Breadcrumb CMS Component

PROPERTIES RESTRICTIONS CONTENT SLOTS ADMINISTRATION

VISIBILITY

Visible True False

Creating Content Catalog =

Step 1 = Create the Content Catalog & Name it as “RRRSCC”

The screenshot shows the hybris Backoffice Commerce interface. On the left, there is a sidebar with a tree view:

- Catalog** (selected, highlighted with a green box)
- Catalogs**
- Catalog Versions**
- Categories**

On the right, there is a main content area with a toolbar at the top:

- +** (highlighted with a green box)
- CSV**
- Classification system**
- Content Catalog** (highlighted with a green box)

A search bar is also present above the toolbar.

The dialog box is titled "Create New Content Catalog". It contains the following fields:

- GIVE NAME TO THE CATALOG**
- ID:** RRRSCC (highlighted with a green box)
- Name:** RRRS CC (highlighted with a green box)
- Default catalog in the system:** True (highlighted with a green box), False, N/A
- DONE** button (highlighted with a yellow box)

Step 2 = Create Content Catalog Versions (Staged & Online)

The screenshot shows a modal dialog titled "Create New Catalog version". It has a section "GIVE NAME TO THE CATALOG VERSION" with a text input field containing "Online". Below it, "Catalog Version:" is set to "Online" and "Catalog:" is set to "RRRS CC". At the bottom right are "CANCEL" and "DONE" buttons. The background shows a list of catalog versions for "RRRS CC" including "RRRS CC : Staged" and a highlighted "Create new Catalog version" button.

Results =

The screenshot shows the "Catalog Versions" section of the Content Catalog interface. It lists two entries: "RRRS CC : Staged" and "RRRS CC : Online". The "RRRS CC : Online" entry is highlighted with a green arrow pointing to it.

Step 3 = Make 1 of the catalog version active = true

The screenshot shows the "Edit item RRRS CC 1 : Staged" screen. The "is active catalog version" checkbox is checked (True). A large green arrow points from the "is active catalog version" label down to the "True" radio button.

Contact Us = ChennaReddyTraining@RRRS.CO.IN

Note = Inside content catalog, we will be having the “Pages ... Content Slots ... Components ...”.

Q = Generally, in the companies, who will be managing the content (Create pages / components ... Updating pages / components ... Deleting pages / components)? = **cmsmanager / cmseditor**

cmsmanager uses “**SmartEdit**” to manage the content.

Assume that, now right now you are cmsmanager (means, you are responsible to manage the content).

So, you will be using **SmartEdit** to manage the content.

Step 4 = Verify CMS Users [cmseditor]

The screenshot shows the SmartEdit CMS Editor interface. On the left, a sidebar menu under the 'User' section is visible, with 'Employees' highlighted. The main area displays a list of users with one entry selected: 'cmseditor' (CMS Editor). Below the list, a section titled 'CMS Editor [cmseditor]' contains tabs for 'GENERAL', 'ADDRESSES', 'PASSWORD' (which is currently selected), 'ORDERS', 'EMPLOYEE PRICES', 'PERSONALIZATION', and 'ADMINIST'. Under the 'PASSWORD' tab, there are fields for 'Password Type' (set to 'PBKDF2 (HMAC-SHA1)'), 'Change Password' (with two masked input fields), and a 'Disable Login' switch (set to 'False'). A green checkmark is drawn next to the 'Disable Login' switch.

Step 5 = Login to SmartEdit with cmseditor user

URL = <https://localhost:9002/smaredit>

The screenshot shows the SAP SmartEdit login page. At the top, the SAP logo and "SmartEdit" are displayed. A message says "You have been automatically signed out. Please sign in again to continue your last session." Below this are two input fields: one for the username "cmseditor" and one for the password, which is partially obscured by dots. To the right of the password field is a green arrow pointing to a "Sign In" button.

The screenshot shows the SAP SmartEdit dashboard. On the left, there is a dropdown menu with options: "Apparel Site UK" (selected), "Select an Option", "Apparel Site UK", and "Electronics Site". To the right of the menu, there is a note in green text: "Note: - You should see the created content catlaog." Below this, there is a note in red text: "But Whatever Content Catalog created (RRRSCC) in backoffice is not available in smaredit . Why?" and a detailed explanation in blue text: "You Login to Backoffice As = admin (RRRSCC Created)
You Login to SmartEdit As = cmseditor
===== So permissions are missing
admin should give permissions to cmseditor for RRRSCC." A green arrow points from the "Select an Option" dropdown towards the note.

Step 5 = Now Login to Backoffice with admin user & provide permissions for “cmseditor”.

The screenshot shows the SAP Administration Cockpit. At the top, the SAP logo and "Administration Cockpit" are displayed. Below the logo is a search bar with the text "cmseditor" and a yellow "SEARCH" button. To the left of the search bar is a "Filter tree (Alt+Down for options)" button.

User

Companies

User Groups

Employees

Customers

Addresses

Titles

Agreements

SAVED QUERIES

No queries

ID	Name
cmseditor	CMS Editor

0 ITEMS SELECTED

CMS Editor [cmseditor]

GENERAL ADDRESSES PASSWORD ORDERS EMPLOYEE PRICES PERSONALIZATION ADMINISTRATION

Writeable catalog versions	Readable catalog versions
RRRS CC : Staged	RRRS CC : Staged
RRRS CC : Online	RRRS CC : Online

All writeable catalog versions

default catalog : Staged

Apparel UK Content Catalog : S...

Electronics Content Catalog : St...

Step 6 = Login to SmartEdit with cmseditor user

URL = <https://localhost:9002/smarteredit>

User = cmseditor

PWD = 12341234

← → C A Not secure | localhost:9002/smarteredit/#!/

SAP SmartEdit

Your Site

Apparel Site UK

Select an Option

Apparel Site UK

Electronics Site

Even after giving permissions, still cmseditor not able to see the created content catalog (RRRSCC) in smartedit . Why?

We can't see the content catalog without WebSite.

== So, we need to create website & attach Content Catalog to WebSite.

Step 7 = Login to Backoffice & Create Website. Finally attach [RRRSWS].

== Backoffice

== Website [ID = RRRSWS]

The screenshot shows the Commerce backoffice interface. On the left, a sidebar menu includes 'WCMS' (with 'Website' selected), 'Page Type', 'Page Template', 'Content Slot Relation for a Page Template', 'Page', 'Content Slot', and 'Content Slot Relation for a Page'. Below this is a 'SAVED QUERIES' section. The main area is titled 'Create New Website' with the sub-section 'PROVIDE ALL MANDATORY FIELDS'. It contains fields for 'Open preview in new tab' (radio buttons for True, False, N/A), 'Active' (radio buttons for True, False, N/A), and 'Personalization configuration'. A 'Time created:' field with a calendar icon is present. The 'ID:' field is highlighted with a red box and contains the value 'RRRSWS'. At the bottom right are 'CANCEL' and 'DONE' buttons, with 'DONE' being highlighted by a yellow box.

==== Give Name

Assign the “Content Catalog”

The screenshot shows the Commerce backoffice interface. The sidebar menu includes 'WCMS' (with 'Website' selected), 'Page Type', 'Page Template', and 'Price Settings'. Below this is a 'SAVED QUERIES' section. The main area shows a table with columns 'ID', 'Name', 'Acti...', and 'Content Catalogs'. One row is selected, showing 'RRRSWS' in the ID column and 'RRRS WS' in the Name column. Below the table, a message says '0 ITEMS SELECTED'. A list box labeled 'RRRS WS' is shown, with a trash icon and a 'SAVE' button. The 'SAVE' button is highlighted with a yellow box. At the bottom, there are tabs for 'PROPERTIES', 'WCMS COCKPIT PROPERTIES', 'PERSONALIZATION', and 'ADMINISTRATION'. Under 'PROPERTIES', there's an 'ESSENTIAL' section with fields for 'ID' (containing 'RRRSWS'), 'Name' (containing 'RRRS WS'), 'Active' (radio button for 'True' selected), and 'False'. To the right, a 'CONTENT CATALOGS' section shows a list with 'Content Catalogs' and 'RRRS CC', with 'RRRS CC' being highlighted by a green box.

Step 8 = Login to SmartEdit with cmseditor user

URL = <https://localhost:9002/smaredit>

User = cmseditor

PWD = 12341234

The screenshot shows the SAP SmartEdit interface. At the top, there's a browser header with a red warning icon for 'Not secure' and the URL 'localhost:9002/smaredit/#!/'. Below it is a SAP logo and the 'SmartEdit' title. A green box highlights the URL in the browser bar. The main area is titled 'Your Site' and contains a dropdown menu labeled 'RRRS WS' with a sub-menu for 'Select an Option'. Another green box highlights the 'RRRS WS' button. To the left, a sidebar has a 'RRRS CC' button highlighted with a green box. Below the sidebar, there are two sections: 'ONLINE' and 'STAGED', each with links to 'HOMEPAGE | PAGES | NAVIGATION MANAGEMENT'. A green box highlights the 'ONLINE' section.

This screenshot compares the storefront and CMS cockpit. On the left is the storefront 'Apparel Site UK | Homepage' showing a 'B2C Accelerator' header, a search bar, and a 'Home Page' with a male model. Two green arrows point from the storefront's 'Home Page' area to the CMS cockpit's 'Websites' list. The CMS cockpit window on the right shows a 'WCMS Page View' with a 'Navigation' tab selected. It lists websites like 'PowerTools Site', 'Electronics Site', 'Apparel Site UK', 'Apparel Site DE', 'RRRS WS', 'RRRS CC / Staged', and 'RRRS CC / Online'. A green box highlights the 'RRRS WS' entry. To the right of the website list is a 'Create New Page - Select desired type' panel with options: 'Category Page', 'Content Page', 'Document Page', 'Email Page', and 'Product Page'. Each option has a brief description. A green box highlights the 'Content Page' option.

The screenshot shows two browser windows side-by-side. The left window displays a storefront category page for 'Belts' under the 'STREETWEAR' section. It features a search bar, a 'Shop by Stores' section, and a large image of a belt. The right window shows the 'hybris CMS Cockpit' interface, specifically the 'WCMS Page View' section. It lists various website pages like 'PowerTools Site', 'Apparel Site UK', and 'RRRS WS'. A green arrow points from the storefront's 'Category Page' section to the 'Create New Page - Select desired type' dropdown in the CMS cockpit.

This screenshot shows the SAP CX Backoffice 'SmartEdit' interface. On the left, there's a sidebar with 'Pages' selected. The main area is titled 'Create Page' and shows a navigation path: Type > Template > Display Condition > Info. Below this, it says 'SmartEdit supports the following page types. Select one.' and lists several options: 'Category Page', 'Content Page', 'Email Page', 'Page for Configuration Overview', 'Page for Configuring a Product', and 'Product Page'. A green box highlights the 'Pages' link in the sidebar, and another green box highlights the 'Create Page' button in the main panel.

Product Page

A Product Page is used for displaying a product detail page. It can contain static Components like text, image but also dynamic Components like product detail.

Scenario = Website

- 1) ID ... Name ... Active
 - 2) Basestore
 - a. Language
 - b. Currency
 - c. Captcha Enabled
 - d. Warehouses
 - e. Delivery Countries/Regions
 - f. Billing Countries/Regions
 - g. External Tax Enabled
 - h. Pickup In Store Mode
 - i. Submit Order Process Code = order-process
 - j. Storelocator Distance Unit
 - k. Express Checkout Enabled
 - l. Tax Estimation Enabled
 - m. =====
 - 3) Product Catalog
 - 4) Content Catalog
 - 5) Theme = Alpha & Lambda
 - 6) Channel = B2C / B2B
 - 7) Cart Removal
 - a. Cart removal cronjob

Cart removal age	Anonymous cart removal age
------------------	----------------------------
 - 8) Start Page
 - 9) Redirect URL & URL Patterns
 - 10) Active = Active from & Active until
 - 11) Site Map Configurations
 - 12) Solr Search Configuration
 - 13) =====

Not secure | localhost:9002/backoffice/

SAP Administration Cockpit

Administration Cockpit

Filter tree (Alt+Down for options)

SEARCH

Apparel Site UK

REFRESH SAV

PROPERTIES WCMS PROPERTIES PERSONALIZATION ADMINISTRATION

ESSENTIAL

ID	Name	Active
apparel-uk	Apparel Site UK	<input checked="" type="radio"/> True <input type="radio"/> False

BASE STORES

Base Stores

ID	Name	Default Catalog
apparel-uk	Apparel S...	Apparel Product Catalog

SAVED QUERIES

No queries

BASE CONFIGURATION

Theme Channel Default Language Locale

Alpha	B2C	English [en]	en_GB
-------	-----	--------------	-------

Solr Search Configuration

apparel-ukIndex

SEARCH CONFIGURATION

Product Index Type

...

CART REMOVAL

Cart removal cronjob Cart removal age Anonymous cart removal age

cartRemovalJob : apparel-uk-C...	2419200	1209600
----------------------------------	---------	---------

CONTENT CATALOGS

Content Catalogs

Apparel UK Content Catalog	...
----------------------------	-----

CONFIGURATION

Start Page

Redirect URL

URL Patterns

(?i)^https://[^/]+(/[^?]*?)?\?(....			
(?i)^https://apparel-uk\.[^/]+			
(?i)^https://apparel\.uk\.[^/]+			

ACTIVE

Active from

Active until

URL ENCODING ATTRIBUTES

URL Encoding Attributes

language			

SITE MAP CONFIGURATIONS

Site Maps

	Homepage-en-GBP-86513...
	Product-en-GBP-4923019...
	CategoryLanding-en-GBP-...
	Category-en-GBP-131689...
	Store-en-GBP-937287476...

Site Map Configuration

Scenario = Submit Order Process

The screenshot shows the SAP Administration Cockpit interface. On the left, there's a sidebar with 'WCMS' and 'Website' selected. The main area shows a search bar with 'Apparel Site UK' and a 'SEARCH' button. Below the search is a title 'Edit item Apparel Store UK'. Underneath, there are tabs for 'PROPERTIES', 'LOCATIONS', and 'ADMINISTRATION'. A large green box highlights the 'SUBMIT ORDER PROCESS CODE' section. Inside this section, there's a field labeled 'Submit Order Process Code' containing 'order-process', which is also highlighted with a green box.

The screenshot shows the Eclipse IDE interface with a file named 'order-process.xml' open. The file path is 'custom / chennarrstraining / chennarrstrainingfulfilmentprocess / resources / chennarrstrainingfulfilmentprocess / process / order-process.xml'. The code is as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<!!--
Copyright (c) 2019 SAP SE or an SAP affiliate company. All rights reserved.

-->
<process xmlns="http://www.hybris.de/xsd/processdefinition" start="checkOrder" name="order-process">
<action id="checkOrder" bean="checkOrderAction">
<transition name="OK" to="checkAuthorizeOrderPayment"/>
<transition name="NOK" to="error"/>
</action>

<action id="checkAuthorizeOrderPayment" bean="checkAuthorizeOrderPaymentAction">
<transition name="OK" to="reserveAmount"/>
<transition name="NOK" to="authorizationFailedNotification"/>
</action>

<action id="reserveAmount" bean="reserveOrderAmountAction">
<transition name="OK" to="checkTransactionReviewStatus"/>
<transition name="NOK" to="sendPaymentFailedNotification"/>
</action>

```

E:\rrrssoftware\hybris\bin\custom\chennarrstraining\chennarrstrainingfulfilmentprocess\src\com\chennarrs\chennarrstraining\fulfilmentprocess\actions\order\CheckOrderAction.java

```

14
15
16 /**
17 * This example action checks the order for required data in the business process. Skipping this action may result in
18 * failure in one of the subsequent steps of the process. The relation between the order and the business process is
19 * defined in basecommerce extension through item OrderProcess. Therefore if your business process has to access the
20 * order (a typical case), it is recommended to use the OrderProcess as a parentClass instead of the plain
21 * BusinessProcess.
22 */
23 public class CheckOrderAction extends AbstractSimpleDecisionAction<OrderProcessModel>
24 {
25     private static final Logger LOG = Logger.getLogger(CheckOrderAction.class);
26
27     private CheckOrderService checkOrderService;
28
29
30     @Override
31     public Transition executeAction(final OrderProcessModel process)
32     {
33         final OrderModel order = process.getOrder();
34
35         if (order == null)
36         {
37             LOG.error("Missing the order, exiting the process");
38             return Transition.NOK;
39         }
40     }

```

E:\rrrssoftware\hybris\bin\custom\chennarrstraining\chennarrstrainingfulfilmentprocess\src\com\chennarrs\chennarrstraining\fulfilmentprocess\actions\order\FraudCheckOrderInternalAction.java

```

1 /**
2  * Copyright (c) 2019 SAP SE or an SAP affiliate company. All rights reserved.
3  */
4 package com.chennarrs.chennarrstraining.fulfilmentprocess.actions.order;
5
6 import de.hybris.platform.basecommerce.enums.FraudStatus;
7 import de.hybris.platform.core.enums.OrderStatus;
8 import de.hybris.platform.core.model.order.OrderModel;
9 import de.hybris.platform.fraud.FraudService;
10 import de.hybris.platform.fraud.impl.FraudServiceResponse;
11 import de.hybris.platform.fraud.model.FraudReportModel;
12 import de.hybris.platform.orderhistory.model.OrderHistoryEntryModel;
13 import de.hybris.platform.orderprocessing.model.OrderProcessModel;
14 import de.hybris.platform.servicelayer.util.ServicesUtil;
15 import de.hybris.platform.util.Config;
16 import com.chennarrs.chennarrstraining.fulfilmentprocess.constants.ChennarrstrainingFulfilmentProcessConstants;
17
18 import org.springframework.beans.factory.annotation.Required;
19
20
21 public class FraudCheckOrderInternalAction extends AbstractFraudCheckAction<OrderProcessModel>
22 {
23     private FraudService fraudService;
24     private String providerName;
25
26     protected FraudService getFraudService()
27     {

```

E:\rrrssoftware\hybris\bin\custom\chennarrstraining\chennarrstrainingfulfilmentprocess\src\com\chennarrs\chennarrstraining\fulfilmentprocess\actions\order\CheckAuthorizeOrderPaymentAction.java

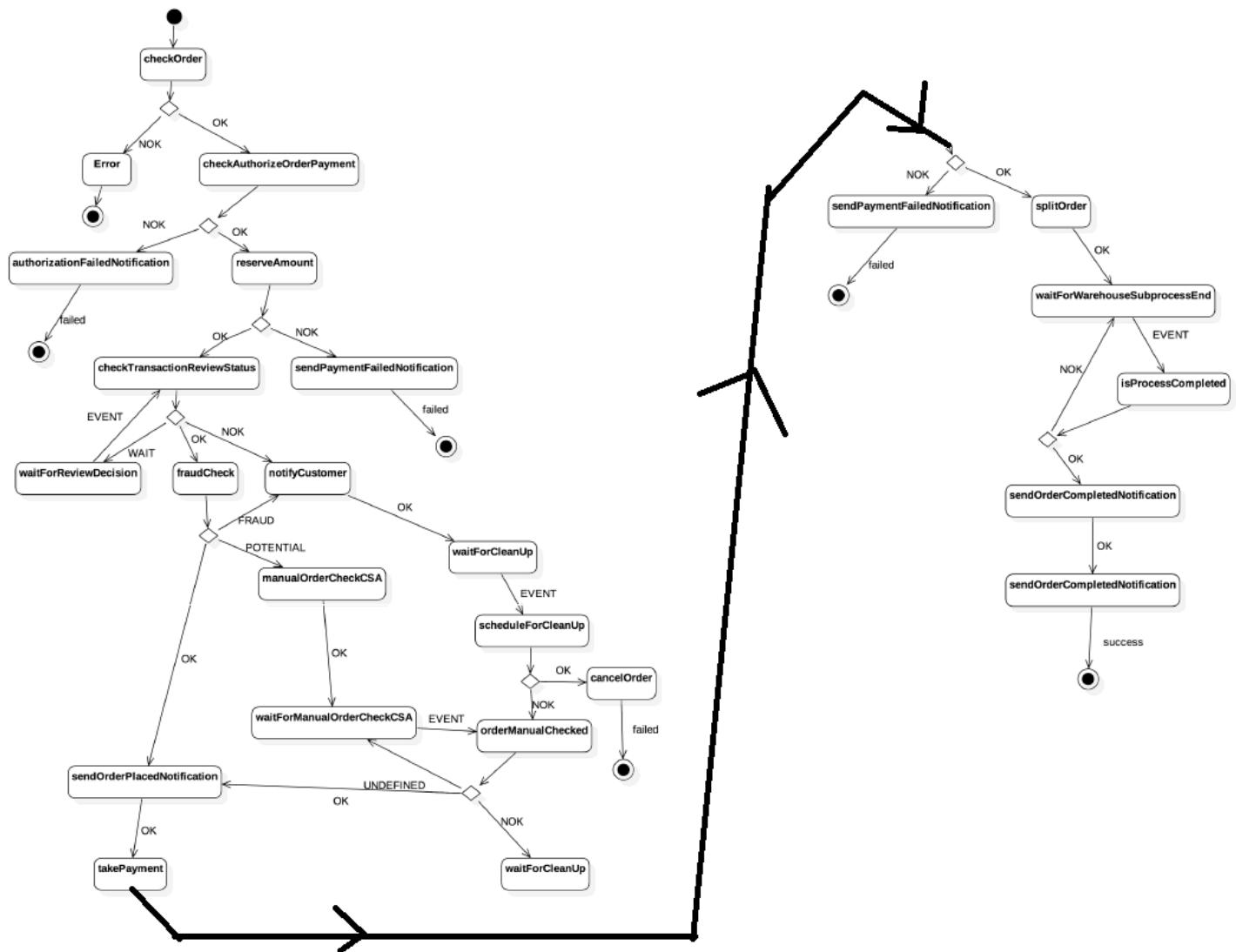
```

18 /**
19  * This action implements payment authorization using {@link CreditCardPaymentInfoModel}. Any other payment model could
20  * be implemented here, or in a separate action, if the process flow differs.
21  */
22 public class CheckAuthorizeOrderPaymentAction extends AbstractSimpleDecisionAction<OrderProcessModel>
23 {
24     @Override
25     public Transition executeAction(final OrderProcessModel process)
26     {
27         final OrderModel order = process.getOrder();
28     }

```

Scenario = Explain Order Management?

- ✓ Business Process = SAP Comm has OOB “**Process Engine**” (yacceleratorfulfilmentprocess extension). It helps to define a list of actions.
- ✓ Order Fulfillment Process = Below process happen when customer click “**Place Order Action**”. SAP Comm will execute set of actions to fulfill the Order.



Scenario = What are the list of all possible transitions in order fulfillment process?

1. **Check order** = Verify required data
2. **Check authorize payment** = Check that the current order has a payment info attached
3. **Reserve amount** = Change the status of the order to PAYMENT_AMOUNT_RESERVED
4. **Send payment failed notification** = Publish an event for the failed authorization
5. **Check transaction review status** = Check that the transaction has been authorized
6. **Fraud check** = Check criteria's to detect potential fraud (excessive amount, black listed customer....)
7. **Notify customer about fraud** = Contact the customer about the fraudulent order
8. **Manual order check CSA** = Prepare the order to be manually checked by a customer agent
9. **Order manual checked** = Take decision to follow the fulfillment process after the manual check or not
10. **Schedule for cleanup** = Try to cleanup a fraudulent or failed order
11. **Cancel order**
12. **Send order placed notification** = Send a notification to customer after his order successfully placed
13. **Take payment action** = Capture the payment

14. **Send payment failed notification** = Send a message to the customer after a failed capture attempt

15. **Split order** = Try to split the order in multiple consignment

16. **Is process completed** = Watch waitForWarehouseSubprocessEnd to end before moving on fulfillment

17. **Send order completed notification** = Order has been shipped and is a success

Q = Where can we find order fulfilment process? =

/yacceleratorfulilmentprocess/resources/yacceleratorfulilmentprocess/process/**orderprocess.xml**

Q = Order **Management Services - Key Features?**

- Complements the Order Management module
- Single view of inventory across all channels
- Sourcing and allocation
- Pick, Pack and Dispatch
- Real-time inventory management
- Sourcing Strategies
- Order Splitting rules
- Extensible and Configurable
- Automated workflows
- Manage returns & refunds
- Integration with CIS

ChennaRRRS - yacceleratorordermanagement/resources/yacceleratorordermanagement/process/order-process-spring.xml - Eclipse IDE

```

<!-- Order Process Actions -->
<bean id="abstractOrderAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.AbstractOrderAction" abstract="true" parent="AbstractAction">
    <property name="timeService" ref="timeService"/>

```

```

<bean id="checkOrderAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.CheckOrderAction" parent="abstractAction">
    <property name="checkOrderService" ref="checkOrderService"/>

```

```

<bean id="geocodeShippingAddressAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.GeocodeShippingAddressAction">
    <property name="geoWebServiceWrapper" ref="geoServiceWrapper"/>
    <property name="addressConverter" ref="deliveryAddressGeocodeConverter"/>

```

```

<bean id="sourceOrderAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.SourceOrderAction" parent="abstractAction">
    <property name="sourcingService" ref="sourcingService"/>
    <property name="allocationService" ref="allocationService"/>
    <property name="businessProcessService" ref="businessProcessService"/>

```

```

<bean id="completeOrderAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.CompleteOrderAction" parent="abstractAction">
    <property name="orderOnHoldService" ref="orderOnHoldService" />

```

```

<!-- Fraud Check Actions -->
<bean id="abstractFraudCheckAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.fraudcheck.AbstractFraudCheckAction">
    <property name="fraudService" ref="fraudService"/>
    <property name="providerName" value="hybris"/>

```

```

<bean id="prepareOrderForManualCheckAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.fraudcheck.PrepareOrderForManualCheckAction">
    <property name="eventService" ref="eventService"/>

```

```

<bean id="notifyCustomerAboutFraudAction" class="de.hybris.platform.yacceleratorordermanagement.actions.order.fraudcheck.NotifyCustomerAboutFraudAction">
    <property name="eventService" ref="eventService"/>

```

ChennaRRRS - yacceleratorordermanagement/src/de/hybris/platform/yacceleratorordermanagement/actions/order/AbstractOrderAction.java - Eclipse IDE

```

public abstract class AbstractOrderAction<T extends OrderProcessModel> extends AbstractAction<T>
{
    protected TimeService timeService;

    /**
     * Prepares order history entry {@link OrderHistoryEntryModel} for the given order and description and with the current timestamp. The {@link OrderHistoryEntryModel} is not saved!.
     * @param description
     * @param order
     * @return {@link OrderHistoryEntryModel}
     */
    protected OrderHistoryEntryModel createHistoryLog(final String description, final OrderModel order)
    {
        final OrderHistoryEntryModel historyEntry = modelService.create(OrderHistoryEntryModel.class);
        historyEntry.setTimestamp(getTimeService().getCurrentTime());
        historyEntry.setOrder(order);
        historyEntry.setDescription(description);
        return historyEntry;
    }
}

```

Scenario = Why we need other cockpits “Product Cockpit ... CMS Cockpit [Old] / SmartEdit [New] ... CS Cockpit ...] when we able to do everything from **backoffice admin cockpit?**

The screenshot shows the SAP CX Backoffice Administration Cockpit interface. On the left, there's a navigation tree with categories like Catalog, Catalogs, Catalog Versions, Categories, Products, Product Variant Types, Units, and Keywords. A yellow arrow points from the 'Products' node to the 'WCMS' sub-module on the right. The 'WCMS' module is expanded, showing sub-options: Website, Page Type, Page Template, Content Slot Relation for a Page Template, Page, Content Slot, and Content Slot Relation for a Page. A green box contains explanatory text about roles and security challenges.

Chenna --- Is content manager & he is responsible to manage the content.
Raj -- Is product manager & he is responsible to manage the products.
RRRS -- Is Customer Support agent & he is responsible to support customers.
==== If Chenna, Raj & RRRS ... All are having Backoffice Admin Cockpit then there is Security Breach challenge.
Bcoz -- Chenna, Raj & RRRS can see "Orders, Users, Carts and ...", which are not related to them. To overcome this challenge, SAP Comm is giving other Cockpits.

Another advantage with these tools [SmartEdit / Product Cockpit / ...] = User Friendly Solution

SAP Comm is providing many cockpits: -

- 1) Admin Cockpit = For Administrators
- 2) CMS Cockpit / Smart Edit = For Content Manager
- 3) Product Cockpit = For Product Manager
- 4) CS Cockpit = For CS Agents
- 5) =====

People who manages the products, we call them as “**Product Managers**”.

People who manages the content, we call them as “**Content Managers**”.

Content Manager can use “**CMS Cockpit / Smart Edit**” to manage the Content. CMS Cockpit is kind of deprecated.

SAP Comm is not having CMS Cockpit in 1811 & 1905.

Bcoz of customers benefits SAP Comm 2005 is again having CMS Cockpit.

Scenario = Change the Site Name as “RRRS Site UK” instead of “Apparel Site UK”?

The screenshot shows the SAP B2C Accelerator Backoffice interface. On the left, a sidebar menu under 'WCMS' has 'Website' selected. The main content area displays a table for 'Content Catalogs'. A row for 'apparel-uk' is selected, showing details like 'Name: Apparel Site UK' and 'Content Catalog: Apparel UK Content Catalog'. A yellow box highlights the 'apparel-uk' ID. To the right, a code editor window titled 'site-responsive_en.impex' is open, showing Impex script for creating a CMS site. A red arrow points from the 'apparel-uk' ID in the table to the 'apparel-uk' parameter in the code. The code includes comments and SQL-like statements for creating a CMS site with unique name, locale, and content catalog.

```
# -----
# Import the CMS Site configuration for the Apparel DE Store
#
# Language
$lang=en
#
# Create CMS Site
UPDATE CMSsite;uid[unique=true];name[$lang];locale[$lang];
;apparel-uk;"Apparel Site UK";en_GB
```

Solution 1 = You can do from backoffice

The screenshot shows the SAP CX Backoffice interface. The left sidebar has 'Website' selected under 'WCMS'. The main content area shows a table with one item: 'apparel-uk' with 'Name: Apparel Site UK'. Below the table, a note says '0 ITEMS SELECTED'. In the bottom right, the 'Name' field is highlighted with a green box and contains the value 'RRRS Site UK'. The status 'Active' is shown as a blue circle with 'True' next to it.

Results =

The screenshot shows a browser window titled 'RRRS Site UK | Homepage'. The address bar shows 'localhost:9002/yacceleratorstorefront/?site'. The page content includes the text 'B2C Accelerator' and 'This is SAP Comm provided B2C eComm Site.' A green arrow points from the 'Name' field in the previous screenshot to the browser title bar.

Contact Us = ChennaReddyTraining@RRRS.CO.IN

Note = Solution 1 works fine & no problem.

Assume that – Right now changes are done in Dev Environment.

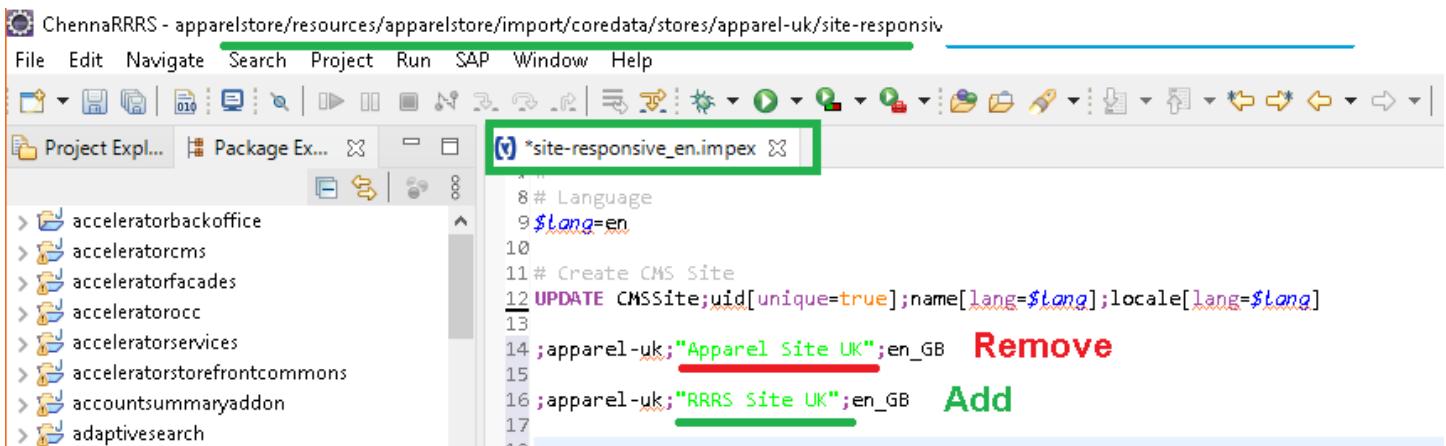
Q = How can we move this changes from 1 Env to another Env [Dev – QA – UAT – Pro]?

There are some ways to move, but difficult [Not best practices].

Hence – go **Solution 2** = ImpEx.

Solution 2 =

Step 1 = Find the ImpEx & do the changes

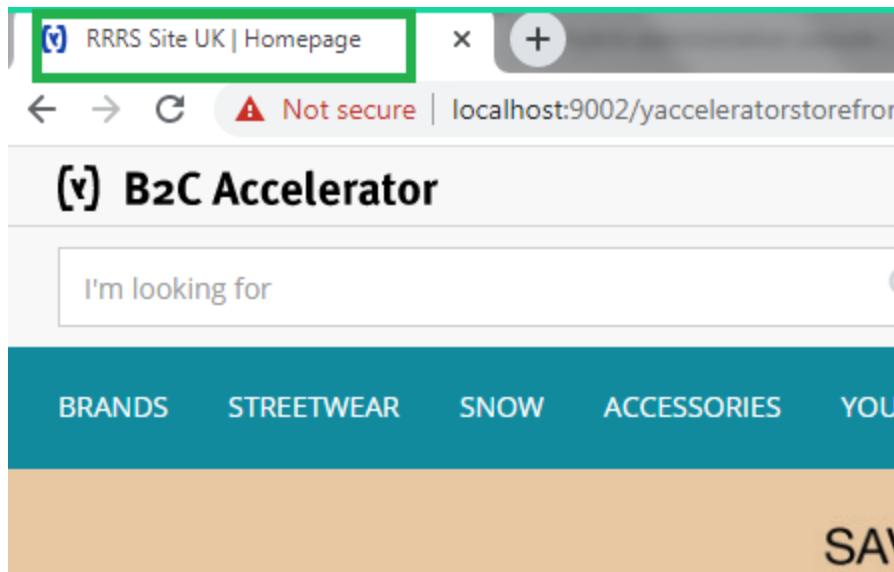


```
8 # Language
9 $lang=en
10
11 # Create CMS Site
12 UPDATE CMSSite;uid[unique=true];name[lang=$lang];locale[lang=$lang]
13
14 ;apparel-uk;"Apparel Site UK";en_GB Remove
15
16 ;apparel-uk;"RRRS Site UK";en_GB Add
17
18
```

Step 2 = Execute the ImpEx



Results =



Note = In above 2nd Solution, we executed ImpEx manually from hAC. But Apparel Site UK was there before also.

A screenshot of a web browser window titled "Apparel Site UK | Homepage". The address bar shows "localhost:9002/yacceleratorstorefront/?site=apparel-uk". The page title is "B2C Accelerator". Handwritten notes in red and green are overlaid on the page:

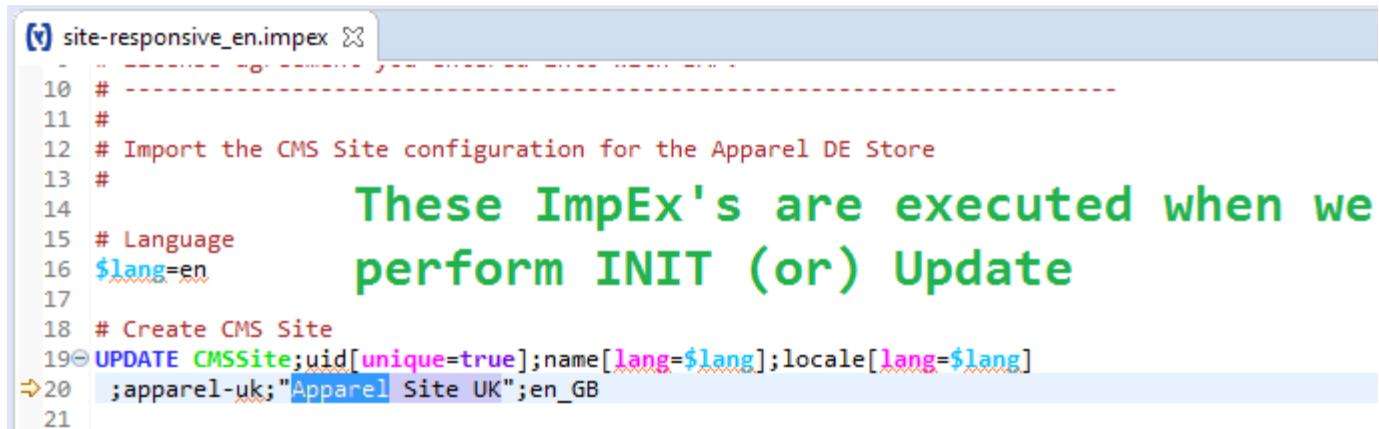
- This is the Site [Pages ... Website ... Components ...] Given for us.
- Q = Where is the code available for this? = ImpEx
- Q = Did we execute those ImpEx? = No
- Then -- When those ImpEx's are executed? = During INIT / Update.

The page features a navigation menu with "BRANDS", "STREETWEAR", "SNOW", "ACCESSORIES", and "YOUTH". Below the menu, a question "Q = What executed during INIT & What executed during Update?" is displayed. A code editor window titled "InitialDataSystemSetup.java" is open, showing the following Java code:

```
55     }
56
57     /**
58      * Implement this method to create initial objects. This method will be called by system creator
59      * initialization and system update. Be sure that this method can be called repeatedly.
60      */
61     @SystemSetup(type = Type.ESSENTIAL, process = Process.ALL)
62     public void createEssentialData(final SystemSetupContext context)
63     {
64         // Add Essential Data here as you require
65     }
66
67     /**
68      * Implement this method to create data that is used in your project. This method will be called
69      * initialization. <br>
70      */
71     @SystemSetup(type = Type.PROJECT, process = Process.ALL)
72     public void createProjectData(final SystemSetupContext context)
73     {
74         /*
75          * Add import data for each site you have configured
76         */
77     }
}
```

Two green arrows point from the handwritten note "When those ImpEx's are executed? = During INIT / Update." to the annotations on lines 59 and 69 of the code.

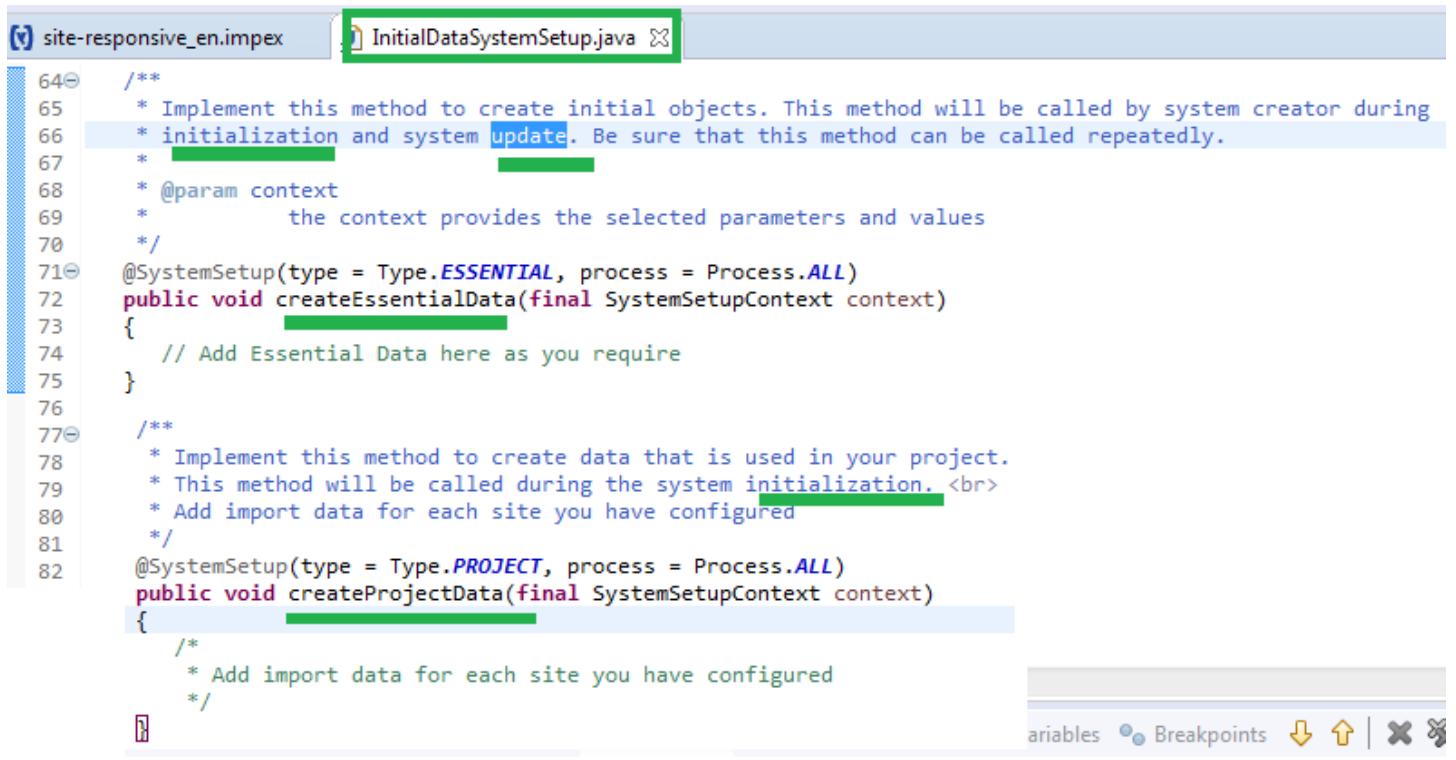
Q = Who (or) When those ImpEx executed?



```
site-responsive_en.impex
10 # -----
11 #
12 # Import the CMS Site configuration for the Apparel DE Store
13 #
14 # Language
15 $lang=en
16
17
18 # Create CMS Site
19 UPDATE CMSSite;uid[unique=true];name[lang=$lang];locale[lang=$lang]
20 ;apparel-uk;"Apparel Site UK";en_GB
21
```

These ImpEx's are executed when we perform INIT (or) Update

Q = Based on what ImpEx will be executed during INIT (or) Update?



```
site-responsive_en.impex InitialDataSystemSetup.java
64 /**
65  * Implement this method to create initial objects. This method will be called by system creator during
66  * initialization and system update. Be sure that this method can be called repeatedly.
67 */
68 * @param context
69 *          the context provides the selected parameters and values
70 */
71 @SystemSetup(type = Type.ESSENTIAL, process = Process.ALL)
72 public void createEssentialData(final SystemSetupContext context)
73 {
74     // Add Essential Data here as you require
75 }
76
77 /**
78  * Implement this method to create data that is used in your project.
79  * This method will be called during the system initialization. <br>
80  * Add import data for each site you have configured
81  */
82 @SystemSetup(type = Type.PROJECT, process = Process.ALL)
83 public void createProjectData(final SystemSetupContext context)
84 {
85     /*
86      * Add import data for each site you have configured
87     */
88 }
```

Note = Alternate for CMS Cockpit is “SmartEdit” from Hybris 1811 onwards. SmartEdit is there before versions also, but from 1811 it’s kind of mandatory.

Scenario = SmartEdit

Not secure | localhost:9002/smaredit/#!/

SAP SmartEdit

Your Site

Apparel Site UK

These are the catalogs that are related to the selected site

APPAREL UK CONTENT CATALOG

ONLINE

HOME PAGE | PAGES | NAVIGATION MANAGEMENT

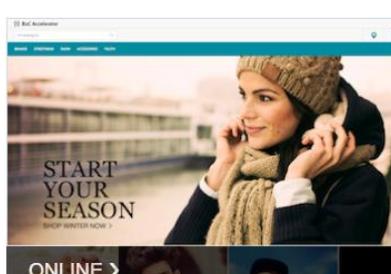
Last synced from Staged
4/7/21 2:26 PM

STAGED

HOME PAGE | PAGES | NAVIGATION MANAGEMENT

Last synced
4/7/21 2:26 PM

Sync



Not secure | localhost:9002/smaredit/#!/storefront

SAP SmartEdit

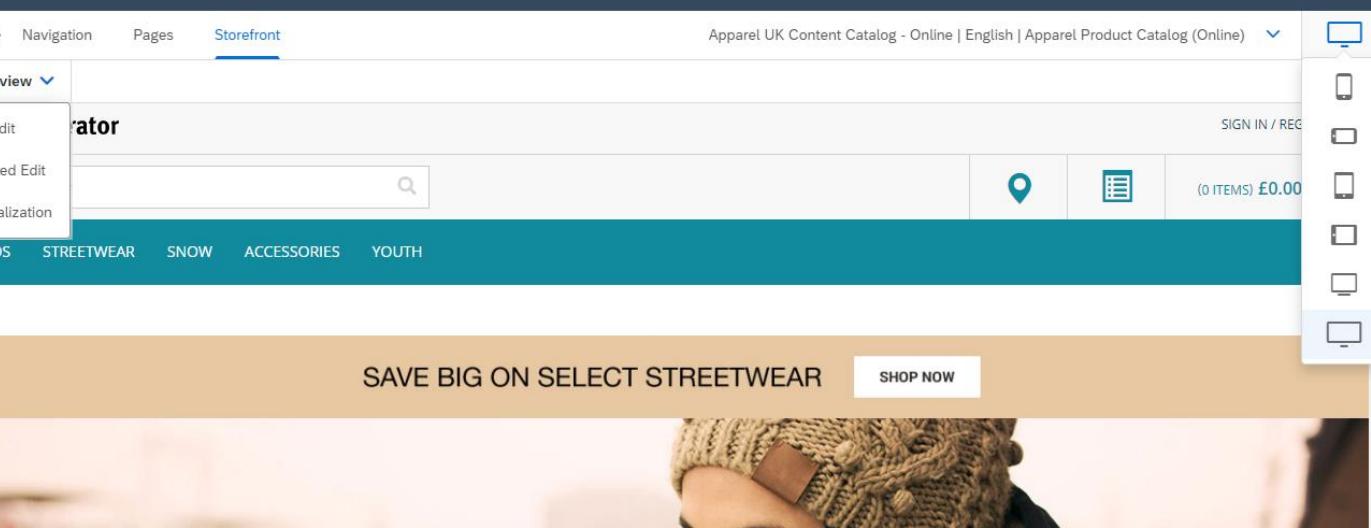
Sites > Navigation Pages Storefront Apparel UK Content Catalog - Online | English | Apparel Product Catalog (Online) ▾

Preview ▾

Basic Edit Advanced Edit Personalization

Brands Streetwear Snow Accessories Youth

SAVE BIG ON SELECT STREETWEAR SHOP NOW



Instead Preview

Q = Difference between “Basic Edit & Advanced Edit”?

Basic Edit = Shared Slots can't be changed / modified.

Advanced Edit = We can change / modify all.

Contact Us = ChennaReddyTraining@RRRS.CO.IN

Basic Edit =

SAP SmartEdit

Sites > Navigation Pages Storefront

Apparel UK Content Catalog - Online | English | Apparel Product Catalog (Online)

Basic Edit + Component Info Trash

Shared slot: TopHeaderSlot from current catalog

B2C Accelerator

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

Oakley logo

Four product images: a woman smiling, a man with a beard, a woman in a cap and sunglasses, and a black background with the Oakley logo.

Advanced Edit =

SAP SmartEdit

Sites > Navigation Pages Storefront

Apparel UK Content Catalog - Online | English | Apparel Product Catalog (Online)

Advanced Edit + Component Info Trash

B2C Accelerator

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

Contact Us = ChennaReddyTraining@RRRS.CO.IN

Scenario = Change the Logo [Component]

SAP Snow Pants | Snowwear men | Ca x SAP SmartEdit x +

Not secure | localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Pants/c/190300

B2C Accelerator Change the Logo

I'm looking for 🔍

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

Solution =

Not secure | localhost:9002/smarteredit/#!/storefront

SAP SmartEdit

Sites > Navigation Pages Storefront Apparel UK Content Catalog - Online | English | Apparel Product Catalog (

Advanced Edit Component Info Trash

B2C Accelerator Change the Logo

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES

Section1Slot-Homepage

Simple Banner Component Editor

Content Basic Info Visibility

Name * Site Logo Component

Media

B2C Accelerator Change the Logo

Remove

Simple Banner Component Editor

Content Basic Info Visibility

Name * Site Logo Component

Media

Select an Option

Upload image to library Cancel Upload

IBM-Logo.png Replace

Code * IBM-Logo2.png Name (Description) IBM-Logo.png

Link To External Internal /

Style Classes

Simple Banner Component Editor

Content Basic Info Visibility

Name * Site Logo Component

Media

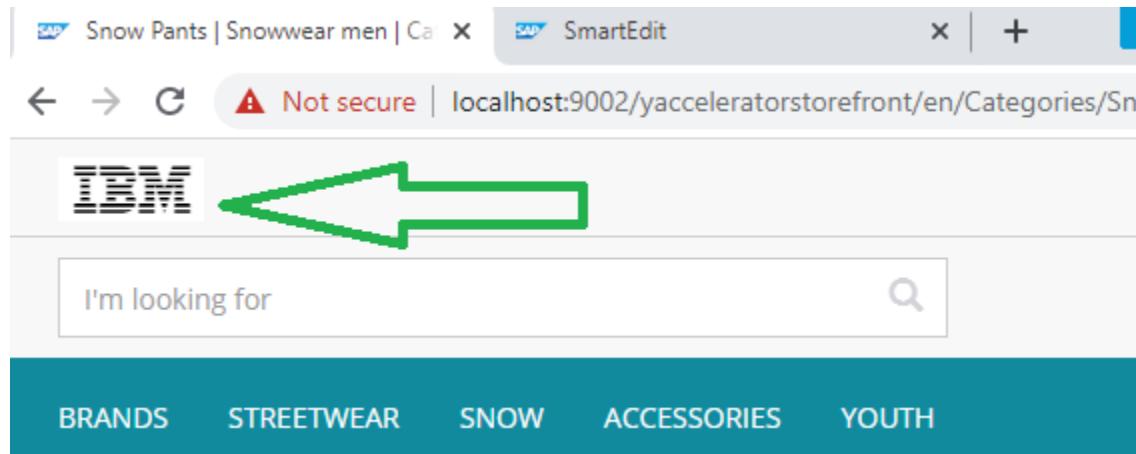
IBM Logo

Information Replace Remove

Cancel Save

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Results =



Scenario = Hide the Logo [Component]

Simple Banner Component Editor

Content Basic Info Visibility

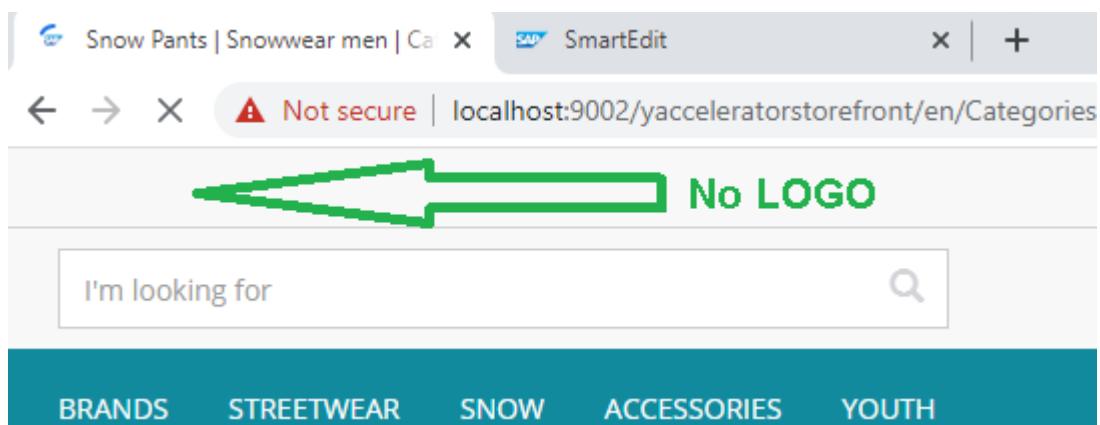
Display Component

Restrictions [Create](#)

No restrictions added

Cancel Save

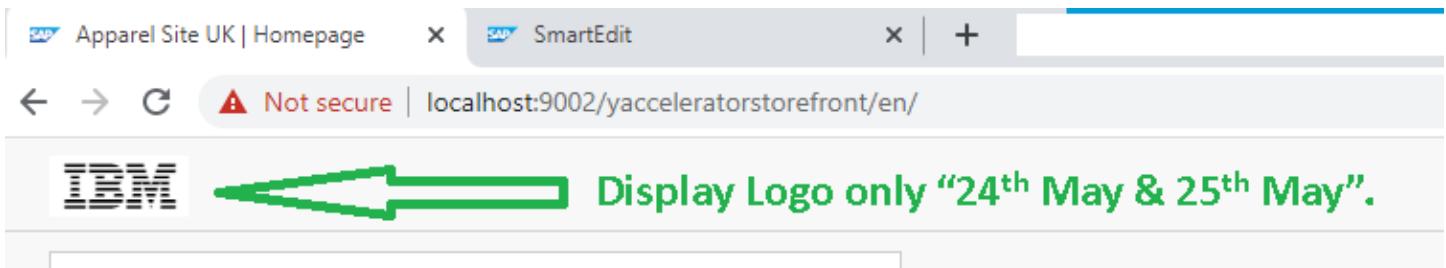
Results =



Contact Us = ChennaReddyTraining@RRRS.CO.IN

Scneario = Display Logo [Component] only “24th May & 25th May”.

This is called “Apply **Restriction**”.

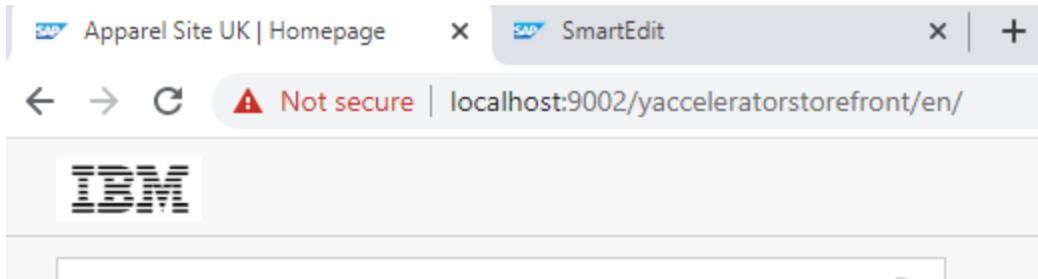


Solution =

The screenshot shows the SAP SmartEdit interface for a storefront. On the left, there's a preview of a banner component labeled 'B2C Accelerator'. In the center, the 'Simple Banner Component Editor' dialog is open, showing the 'Visibility' tab. Below it, the 'Add Restriction' dialog is also open, with a 'Time Restriction' selected. A green arrow points to the 'Create' button in the restriction dialog, and another green circle highlights this same button.

The screenshot shows the SAP SmartEdit interface with two overlapping dialogs. The bottom-left dialog is titled 'Add Restriction' and contains fields for 'Name*' (ChennaRRRS1), 'Active From*' (5/24/21 1:31 AM), and 'Active Until*' (5/25/21 1:31 AM). A green arrow points to the 'Add' button in this dialog. The bottom-right dialog is titled 'Simple Banner Component Editor' and shows the 'Visibility' tab. It lists a new restriction: 'ChennaRRRS1 CMSTimeRestriction' with the note 'Display from 5/24/21 1:31 AM to 5/25/21 1:31 AM'. A green arrow points to this restriction entry. A large green arrow points from the 'Add' button in the 'Add Restriction' dialog to the 'Save' button in the 'Simple Banner Component Editor' dialog.

Results =



Q = How to test this scenario is working / not?

SAP SmartEdit

Apparel UK Content Catalog - Online | English | 5/31/21 1:36 AM | Apparel Product Cat...

Content Catalog Version

Apparel UK Content Catalog - Online

Language

English

Time

5/31/21 1:36 AM

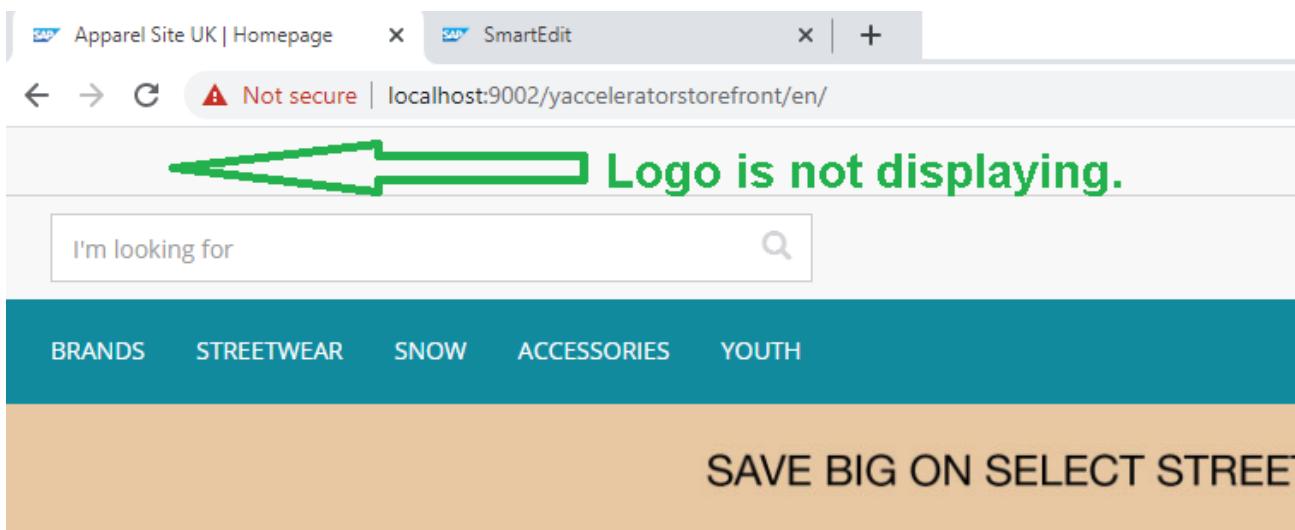
Product Catalog Version(S)

Online

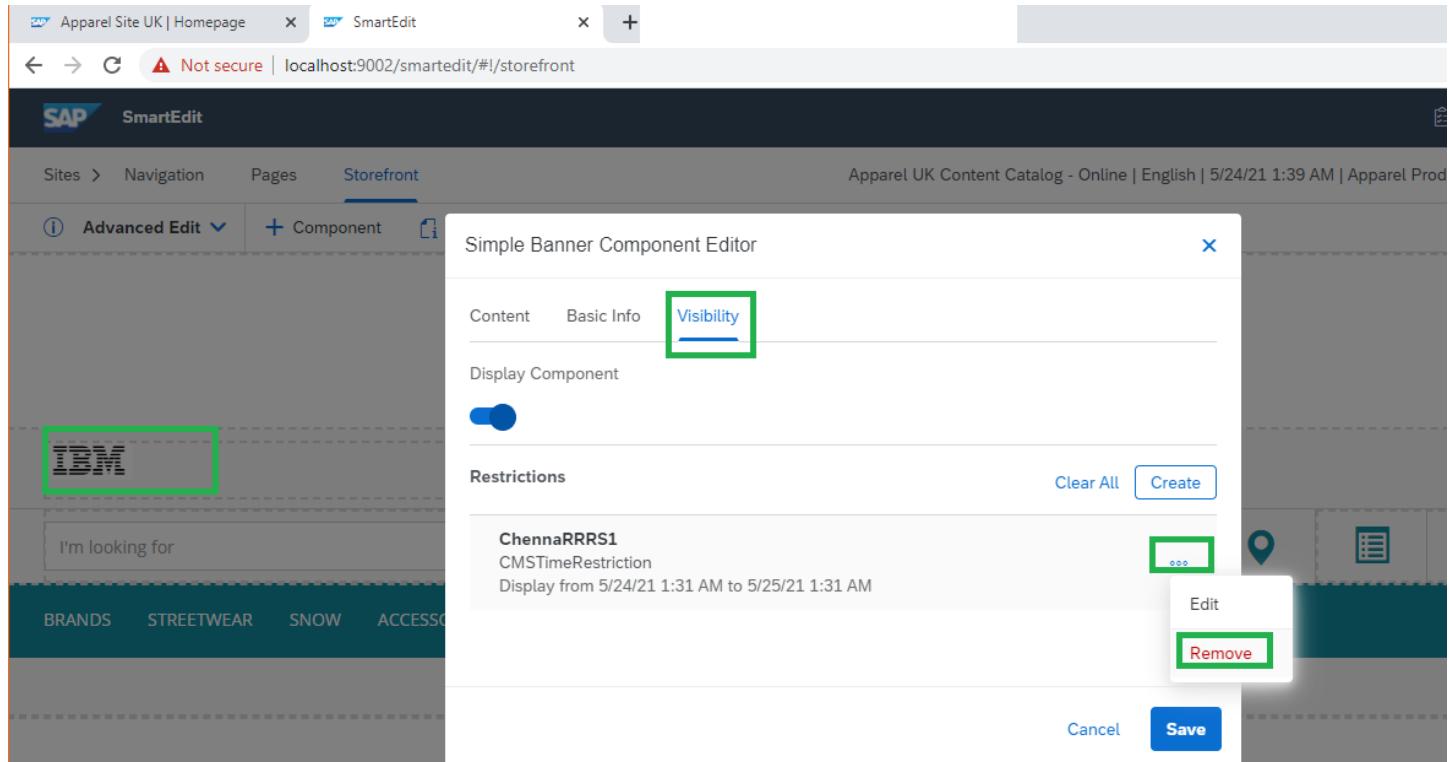
Cancel

Apply

Results =



Q = How to remove restrictions?



Q = What are the different Restrictions available?

Restriction Type

- Select Restriction Type
- Assisted Service CMS User Group Restriction
- Assisted Service Session Restriction
- Storefront CMS Action Restriction
- Base Store Time Restriction
- Campaign Restriction
- [CMS Restriction for Configurable Products in Cart](#)

Restriction Type

- Select Restriction Type
- CMS Restriction for Configurable Products in Cart
- Catalog Restriction
- Category Restriction
- Inverse Restriction
- Product Restriction

- CMS Secure Portal Restriction
- Time Restriction
- Storefront Experience Restriction
- Usergroup Restriction
- User Restriction

Scneario = Search component changes

The screenshot shows a SAP SmartEdit interface for an apparel site. A red arrow points from the text "Req1 = When we type 3 chars then results are coming." to a search input field containing "ele". Another red arrow points from "Req2 = Only 4 products are displayed. Your company want 6 products to display." to a dropdown menu set to "4". A third red arrow points from "Req3 = Your company don't want the Image to display" to the "Display Product Images" toggle switch, which is turned off.

Req1 = When we type 3 chars then results are coming.
Your company want for 2 chars.

Req2 = Only 4 products are displayed.
Your company want 6 products to display.

Req3 = Your company don't want the Image to display

element

Image	Name	Price
	EI Moro Hat natural SM	£36.41
	The Life Beanie blue Uni	£15.35
	Alex Boardshort Youth blue L	£40.46

N SELECT STREETWEAR SHOP NOW

A large image of a woman wearing a brown cable-knit beanie with a small brown bow on the side. She is smiling and looking towards the camera. The background is blurred.

Solution =

The screenshot shows the SAP SmartEdit interface with the "Storefront" tab selected. A "SearchBoxSlot" component is highlighted with a green circle and a green arrow pointing to it. On the right, the "SearchBox Component Editor" dialog is open, showing configuration options:

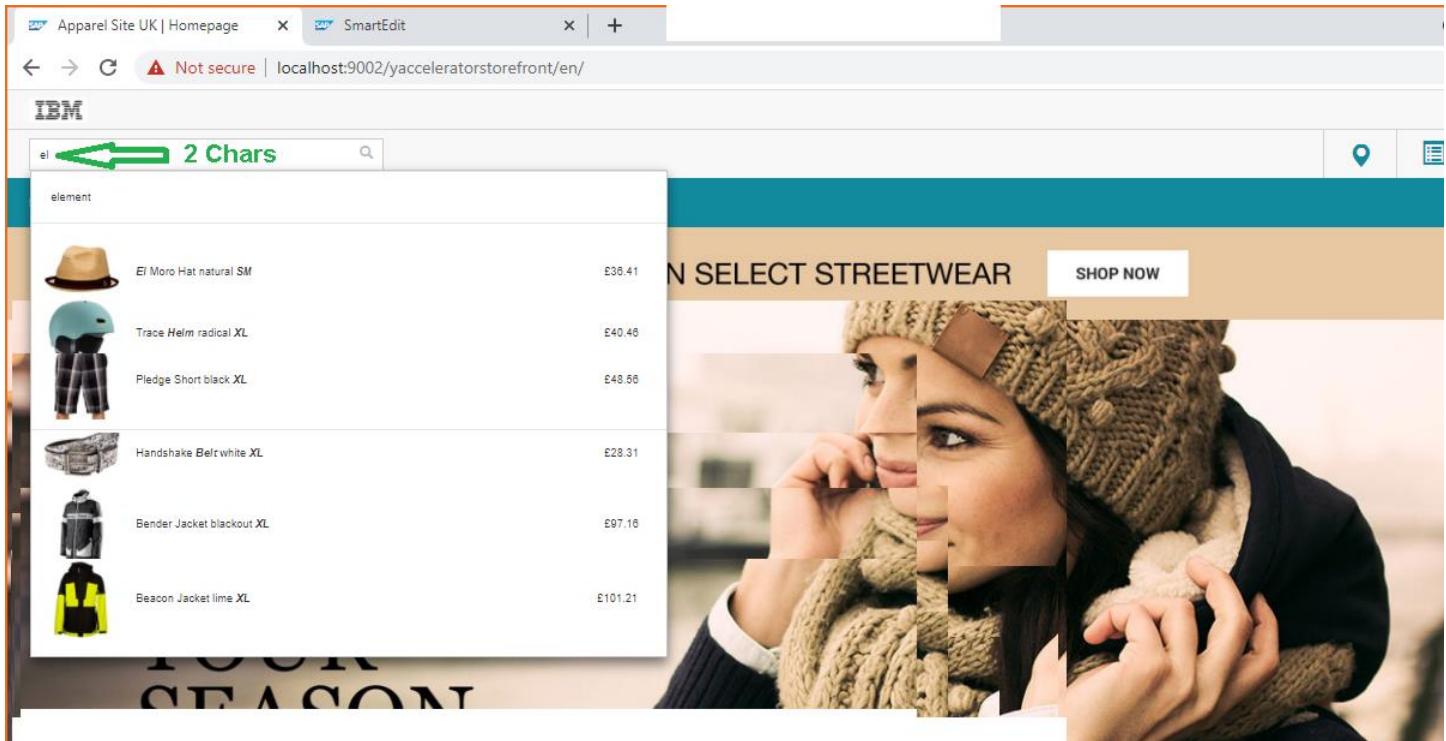
- Name: Search Box
- Display Product Images: Off (green switch)
- Display Products: On (blue switch)
- Display Suggestions: On (blue switch)
- Max Products: Set to 6

Below the editor, another "SearchBox Component Editor" dialog is shown with the following settings:

- Min Characters Before Request: 2
- Wait Time Before Request: 500
- Style Classes: (empty)

A green arrow points to a "Save" button at the bottom right of the second dialog.

Results =

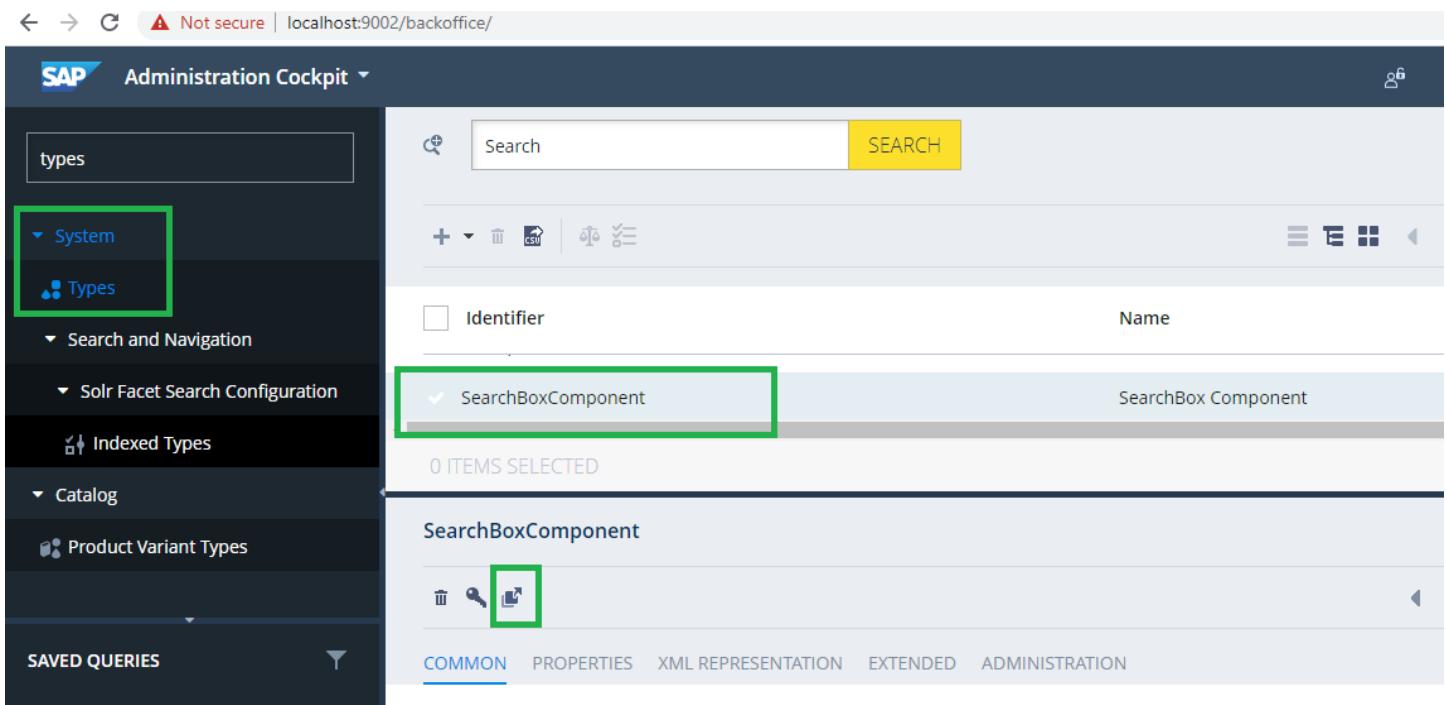


The screenshot shows the Apparel Site UK homepage. A green arrow points to the search bar containing the text 'el'. Below the search bar is a dropdown menu titled 'element' with several product items listed:

Image	Name	Price
	El Moro Hat natural SM	£38.41
	Trace Helm radical XL	£40.46
	Pledge Short black XL	£48.56
	Handshake Belt white XL	£28.31
	Bender Jacket blackout XL	£97.16
	Beacon Jacket lime XL	£101.21

On the right side of the page, there is a large image of a woman wearing a brown cable-knit hat and a white scarf, with the text 'N SELECT STREETWEAR' and 'SHOP NOW' above it.

==== Backoffice



The screenshot shows the SAP Administration Cockpit backoffice. The left sidebar has a 'System' section highlighted with a green box, containing a 'Types' item which is also highlighted with a green box. The main area displays a list of types:

Identifier	Name
<input checked="" type="checkbox"/> SearchBoxComponent	SearchBox Component

Below the table, it says '0 ITEMS SELECTED'. At the bottom, there is a toolbar with icons for delete, search, and edit, and tabs for COMMON, PROPERTIES, XML REPRESENTATION, EXTENDED, and ADMINISTRATION.

Note = We can see the Search Box related options [Display Product Image, Max Products and ...] available in database also.

The screenshot shows the SAP Fiori Launchpad interface. On the left, a sidebar lists various system configurations like 'System', 'Types', 'Search and Navigation', 'Solr Facet Search Configuration', 'Indexed Types', 'Catalog', and 'Product Variant Types'. Below this is a section for 'SAVED QUERIES' which says 'No queries'. The main area is titled 'Search Box' and contains a table with columns: ID, Name, Catalog Version, and Visibility. A row for 'SearchBox' is selected and highlighted with a green border. At the bottom of the table, it says '0 ITEMS SELECTED'. Below the table, there's a section titled 'Search Box' with tabs: PROPERTIES, RESTRICTIONS, CONTENT SLOTS, and ADMINISTRATION. The ADMINISTRATION tab is active. It includes settings for 'Comments' (Component Container), 'Display Product Images' (True), 'Display Products' (True), 'Display Suggestions' (True), 'Max Products' (4), 'Max Suggestions' (6), and 'Min Characters Before Request' (3).

Scenario = Do changes in “My-Account”

The screenshot shows the Apparel Site UK homepage. At the top, there's a navigation bar with links for 'SmartEdit', 'WELCOME CHENNA', 'MY ACCOUNT', and 'SIGN OUT'. The main content area has a teal header with sections for 'Personal Details', 'Email Address', 'Payment Details', 'Password', 'Order History', 'Address Book', 'Saved Carts', 'Consent Management', 'Close Account', 'Returns History', and 'Support Tickets'. Below this is a search bar with placeholder text 'I'm looking for' and a magnifying glass icon. At the bottom, there's a banner with the text 'SAVE BIG ON SELECT STRE' and a 'SHOP NOW' button. The footer features links for 'BRANDS', 'STREETWEAR', 'SNOW', 'ACCESSORIES', and 'YOUTH'. On the right side of the footer, there's a shopping cart icon showing '(2 ITEMS) £64.72'.

Contact Us = **ChennaReddyTraining@RRRS.CO.IN**

Solution =

The screenshot shows the SAP SmartEdit interface for Navigation Management. The navigation bar includes tabs for Sites, Navigation (highlighted with a green box), Pages, and Storefront. The main content area displays a tree structure of navigation entries:

Name	Title	Entry
SiteRootNode	Apparel UK Site	...
Apparel UK Site	Apparel UK Site	...
My Account	My Account	...

Below the tree, there are two expandable sections: "Personal Details" and "Update Email". On the right side of the tree, there are context menu options: "Edit", "Add a Child" (highlighted with a green box), and "Add a Sibling". A "Create Top Level" button is located in the top right corner of the main content area.

The image shows two overlapping dialog boxes:

- Menu Item Editor**: This dialog has fields for Name* (Chenna RRRS) and Title (Chenna RRRS). In the Entry(S) section, there is a list box containing "chennarrrs1" and "chennarrrs1" (highlighted with a green box). A "Create" button is also visible in this section. At the bottom are "Cancel" and "Save" buttons.
- CMS Navigation Entry Editor**: This dialog shows a navigation path: CMSNavigationNode > CMSNavigationEntry. It has fields for Name* (chennarrrs1) and Component*. The Component field contains "adidas Originals Link" (highlighted with a green box) and is associated with a CMSLinkComponent. At the bottom are "Cancel" and "Save" buttons.

Results =

The screenshot shows the SAP SmartEdit interface with the URL localhost:9002/yacceleratorstorefront/en/Brands/adidas-Originals/c/adidas%20Originals. The top navigation bar includes links for 'adidas Originals | Brands | Apparel' and 'SmartEdit'. The main content area displays a grid of account management options:

Personal Details	Email Address	Payment Details
Password	Order History	Address Book
Saved Carts	Consent Management	Close Account
Returns History	Support Tickets	Adidas Originals

Q = How to change “Adidas Originals” to “Chenna RRRS”?

The three screenshots illustrate the process of changing the navigation entry name from "adidas Originals" to "Chenna RRRS".

- Navigation Entry Editor:** Shows the left sidebar with "Chenna RRRS" highlighted. The main panel is titled "Menu Item Editor" with fields for "Name*" (Chenna RRRS) and "Title" (Chenna RRRS). A green arrow points from the "Chenna RRRS" entry in the sidebar to the "Name" field.
- CMS Navigation Entry Editor:** Shows the CMS navigation entry structure: Chenna RRRS > chennarrs1 > adidas Originals Link. The "Name" field is set to "chennarrs1" and the "Component" is "adidas Originals Link". A green arrow points from the "chennarrs1" entry in the breadcrumb to the "Name" field.
- Link Editor:** Shows the breadcrumb path: Chenna RRRS > chennarrs1 > adidas Originals Link. The "Name" field is "adidas Originals Link" and the "Linkname" field is "Chenna RRRS". A large green double-headed arrow highlights the "Linkname" field.

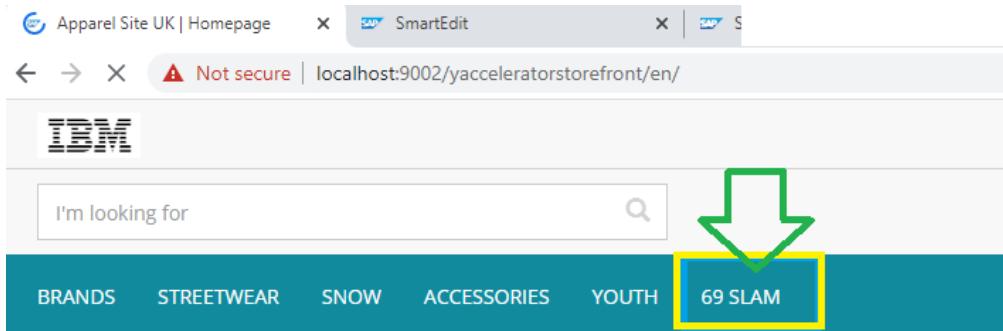
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The screenshot shows a SAP storefront application. At the top, there are two tabs: "adidas Originals | Brands | Apparel" and "SmartEdit". The URL in the address bar is "localhost:9002/yacceleratorstorefront/en/Brands/adidas-Originals/c/adidas%20Originals". The page header includes the IBM logo, a "WELCOME CHENNAI" message, and a "MY ACCOUNT" button. Below the header is a grid of links: "Personal Details", "Email Address", "Payment Details"; "Password", "Order History", "Address Book"; "Saved Carts", "Consent Management", "Close Account"; and "Returns History", "Support Tickets", "Chenna RRRS". A green box highlights the "Chenna RRRS" link. Below the grid is a search bar with the placeholder "I'm looking for" and a magnifying glass icon. To the right of the search bar are icons for location, list, and a notification with "(2 ITEMS)". The main content area shows a navigation bar with categories: BRANDS, STREETWEAR, SNOW, ACCESSORIES, and YOUTH. Below this is a breadcrumb trail: HOME / BRANDS / ADIDAS ORIGINALS. It displays "4 Products found" with four product thumbnails: a white jacket, a green backpack, a blue jacket, and a blue car. A "Shop by Stores" link is visible on the left.

Note = We can see the components from Backoffice

The screenshot shows the SAP Administration Cockpit. The top navigation bar includes the SAP logo, "Administration Cockpit", and various user icons. On the left, a sidebar menu under "WCMS" lists: Website, Page Type, Page Template, Content Slot Relation for a Page Template, Page, Content Slot, Content Slot Relation for a Page, and Component. A "SAVED QUERIES" section is also present. The main content area features a search bar with "adidas" and a "SEARCH" button. Below the search bar is a toolbar with icons for add, delete, CSV export, and filters. A table lists components with columns: ID, Name, Catalog Version, and Visibility. One row is selected, showing "adidasOriginalsLink", "adidas Originals Link", "Apparel UK Content Catalog : Staged", and "true". Below the table, a section titled "adidas Originals Link" shows a "REFRESH" button. At the bottom, tabs for "PROPERTIES", "RESTRICTIONS", "CONTENT SLOTS", and "ADMINISTRATION" are visible, along with a "VISIBILITY" section set to "Visible" with a "True" radio button selected.

Scenario = Do changes in “Navigation Menu”



Solution =

A screenshot of the SAP SmartEdit interface for navigating apparel-ukContentCatalog/Online. The left sidebar shows "Sites > Navigation". Under "SiteRootNode", there is a tree structure for "Apparel UK Site". The "Categories" node under "Apparel UK Site" is expanded, showing "All Brands", "Streetwear Menu", "Snow Menu", and "Accessories Menu". A context menu is open over the "Categories" node, with options like "Edit", "Delete", "Move Up", "Move Down", "Add a Child" (which is highlighted with a green box), and "Add a Sibling".

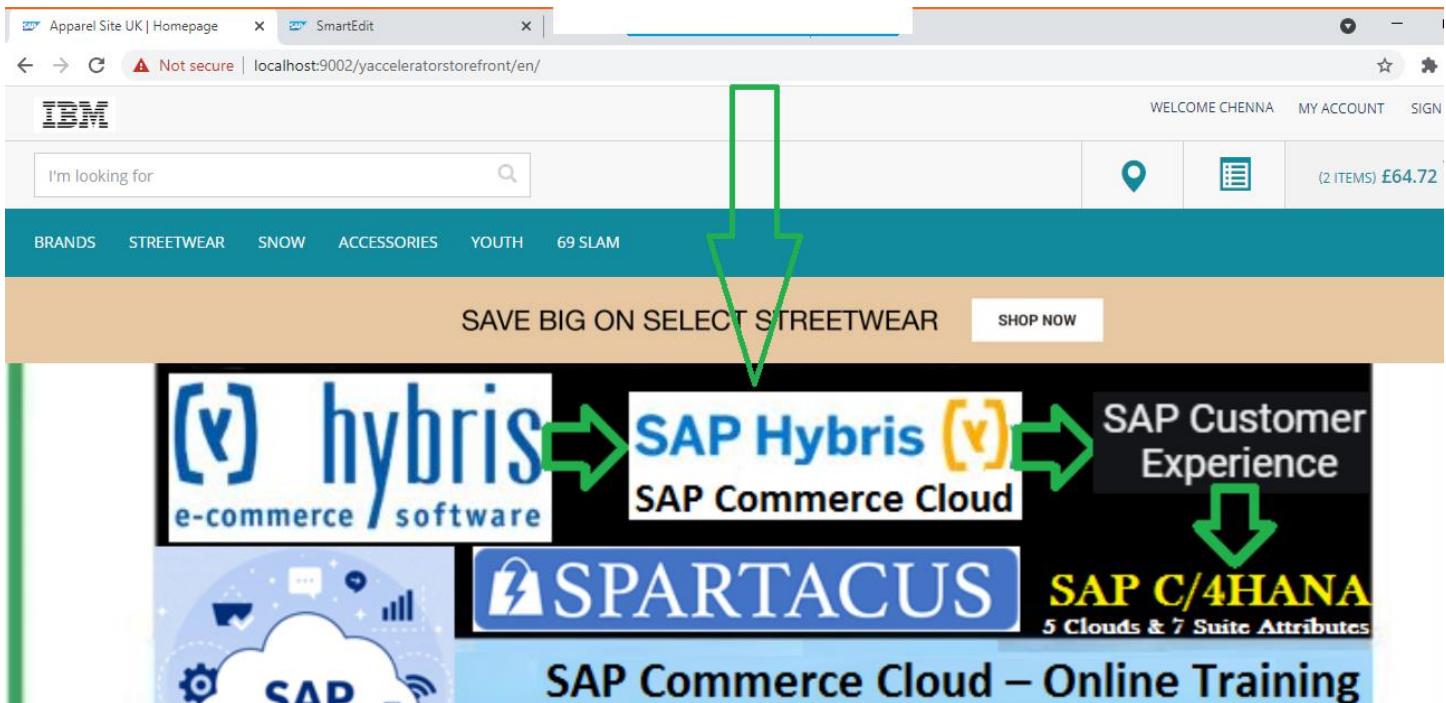
Menu Item Editor

Name *	Chenna RRRS1
Title	Chenna RRRS 1
Entry(S)	Chenna RRRS1

CMS Navigation Entry Editor

Chenna RRRS1	Chenna RRRS1
CMSNavigationNode	CMSNavigationEntry
Name *	Chenna RRRS1
Component *	69 Slam Link CMSLinkComponent

Scenario = Manage the Banners



Solution =

A screenshot of the SAP SmartEdit interface for managing banners. The title bar says "Simple Responsive Banner Component Editor". The left sidebar shows "Sites > Navigation > Pages > Storefront". Under "Advanced Edit", there's a "Component" tab highlighted with a green circle around its edit icon. The main area displays a banner component with the text "START YOUR SEASON" and "SHOP WINTER NOW". Two green arrows point from the top center of the banner down to the "Replace" buttons for the "Widescreen" and "Desktop" media queries. The "Basic Info" and "Visibility" tabs are also visible at the top of the editor.

Scenario = Carousel Components [Example = Best Selling Products]

The screenshot shows a web browser window with multiple tabs. The active tab displays a storefront interface. At the top, there are navigation links: 'SHOP WOMEN', 'SHOP MEN', 'SHOP TEENS', and 'SHOP BRANDS'. Below these are five product cards arranged horizontally, each with a small image, the product name, and its price. A green-bordered box labeled 'Best Selling Products' is positioned above the first two cards.

Product	Description	Price
Snowboard/Ski Tool TOKO ERGO Multi Guide Yellow	From £50.96	£50.96
Adapt New Era Blue Print	From £32.36	£32.36
Helmet Women TSG Lotus Graphic Designs WMS	From £67.96	£67.96
Wallet Dakine Agent Leather Wallet Brown	£33.96	£33.96
Shades Quiksilver Dinero Black White Red Grey	£84.96	£84.96

Solution =

The screenshot shows the SAP SmartEdit interface. The top navigation bar includes 'Apparel Site UK | Homepage', 'SmartEdit', and a warning about an 'Unsecure Connection'. The main area shows a 'Storefront' section titled 'Section3Slot-Homepage'. Below this is a 'Best Selling Products' component, which is currently being edited, as indicated by a green circle around the 'Edit' button in the toolbar above it. The component displays the same five products as the previous screenshot.

The left screenshot shows the "Product Carousel Editor" with a tab for "Content". It has a "Name*" field containing "Best Selling Products" and a "Title" field also containing "Best Selling Products". Below these are sections for "Products" and "Catalog Version". The "Products" section lists two items: "Snowboard Ski Tool Toko" and "Adapt New Era blue print". A green arrow points from the "Add More" button to the "Select an Option" field in the right screenshot.

The right screenshot shows a "Products" dialog with a "Catalog Version" set to "Online". It lists two products: "Snowboard Ski Tool Toko" and "Airline Bag". A green arrow points from the "Select an Option" field in the left screenshot to this field. A blue "Add" button is visible at the bottom right.

Results =

The screenshot shows the "Apparel Site UK | Homepage" in a browser. The "SmartEdit" tab is open. The main content area displays a "Best Selling Products" section with four items:

- AIRLINE BAG**: An image of a green Adidas airline bag with a large green arrow pointing to it. Price: From £40.46.
- SNOWBOARD SKI TOOL TOKO ERGO MULTI GUIDE YELLOW**: An image of a yellow snowboard ski tool.
- ADAPT NEW ERA BLUE PRINT**: An image of a blue baseball cap with orange适应性印字.
- HELMET WOMEN TSG LOTUS GRAPHIC DESIGNS WMS**: An image of a black women's helmet.

Below each item is its price: From £40.46, £50.96, From £32.36, and From £67.96 respectively.

What's New

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Scenario = Create “Chenna RRRS – Deals of the week”

Step 1 = Drop & Drop the “Product Carousel” component

The screenshot shows the SAP SmartEdit interface. The top navigation bar has tabs for 'Sites', 'Navigation', 'Pages', and 'Storefront' (which is highlighted with a green oval). Below the navigation is an 'Advanced Edit' dropdown with options like '+ Component', 'Info', and 'Trash'. A modal window titled 'Add Component' is open, showing a search bar and two tabs: 'Component Types' (selected) and 'Saved Components'. Under 'Component Types', there is a search bar and a list of components: 'Image Map Component', 'Product Carousel' (which is circled in green), and 'Link'. A large green arrow points from the text 'Drag & Drop in required Place' towards the 'Product Carousel' component.

The screenshot shows the 'Product Carousel Editor' dialog box. It has tabs for 'Content' (selected), 'Basic Info', and 'Visibility'. The 'Content' tab contains fields for 'Name*' (set to 'Chenna RRRS – Deals of the week') and 'Title' (set to 'Chenna RRRS – Deals of the week'). Below these is a 'Products' section with a table and an 'Add More' button. The table lists two products: 'Acid SS' (ID 117896, apparelProductCatalog - Online) and 'Adapt New Era' (ID 94415, apparelProductCatalog - Online). The entire 'Products' section is highlighted with a green border. At the bottom left is a 'Categories' section with an 'Add Categories' button. A large green arrow points from the text 'Save' towards the bottom right of the dialog.

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Results =

The screenshot shows a web browser window with three tabs: 'Apparel Site UK | Homepage', 'SmartEdit', and 'localhost:9002/yacceleratorstorefront/en/'. The main content area displays a section titled 'Chenna RRRS - Deals of the week'. It features two products: 'ACID SS' (a t-shirt) and 'ADAPT NEW ERA' (a cap). A green checkmark is drawn next to the cap product. Below each product is its price: 'From £28.31' and 'From £32.36' respectively. To the right of the products is a 'What's New' section showing five small images of various apparel items.

Note = We can also make a Category of products as “Deals of the week”?

The screenshot shows the SAP SmartEdit interface for a 'Product Carousel Editor' component. The component is titled 'Chenna RRRS - Deals'. The configuration screen includes tabs for 'Content', 'Basic Info', and 'Visibility'. In the 'Content' tab, the 'Name*' field is set to 'Chenna RRRS - Deals of the week'. The 'Title' field is also set to the same value. Under the 'Products' section, two products are listed: 'Acid SS' and 'Adapt New Era'. A green circle highlights the 'Add Categories' button, which is located below the product list. A green arrow points from this button towards a modal dialog box on the right side of the screen. This dialog box is titled 'Categories' and shows a list of categories, with one category 'apparelProductCatalog - Online' selected. Other categories like '686' and 'Select an Option' are also visible.

Note =

Simple Responsive Banner Component Editor

Name*: ApparelUK Homepage Discount Banner Component

Url Link: /Collections/Streetwear/c/streetwear

Media

Widescreen	Desktop	Tablet	Mobile
Information	Information	Information	Information
Replace	Replace	Replace	Replace
Remove	Remove	Remove	Remove

```

<%@ taglib prefix="" uri="http://java.sun.com/jsp/jstl/core" %>
<%@ taglib prefix="fn" uri="http://java.sun.com/jsp/jstl/functions" %>
<%@ taglib prefix="vcommerce" uri="http://hybris.com/tld/vcommercetags" %>
<c:forEach items="${medias}" var="media">
    <c:if test="${vcommerce:isValidMedia(media)}">
        <c:choose>
            <c:when test="${empty media.urlLink}>
                <c:set var="im" value="imageData1" />
            </c:when>
            <c:otherwise>
                <c:choose>
                    <c:when test="${empty media.urlLink}>
                        <c:set var="altText" value="Image Not Found" />
                    </c:when>
                    <c:otherwise>
                        <c:choose>
                            <c:when test="${empty media.urlLink}>
                                <c:set var="im" value="imageData1" />
                            </c:when>
                            <c:otherwise>
                                <c:choose>
                                    <c:when test="${empty media.urlLink}>
                                        <c:set var="im" value="imageData1" />
                                    </c:when>
                                    <c:otherwise>
                                        <c:choose>
                                            <c:when test="${empty media.urlLink}>
                                                <c:set var="im" value="imageData1" />
                                            </c:when>
                                            <c:otherwise>
                                                <c:choose>
                                                    <c:when test="${empty media.urlLink}>
                                                        <c:set var="im" value="imageData1" />
                                                    </c:when>
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                                                        <c:choose>
                                                            <c:when test="${empty media.urlLink}>
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                                                                <c:choose>
                                                                    <c:when test="${empty media.urlLink}>
                                                                        <c:set var="im" value="imageData1" />
                                                                    </c:when>
                                                                    <c:otherwise>
                                                                        <c:choose>
                                                                            <c:when test="${empty media.urlLink}>
                                                                                <c:set var="im" value="imageData1" />
                                                                            </c:when>
                                                                            <c:otherwise>
                                                                                <c:choose>
                                                                                    <c:when test="${empty media.urlLink}>
                                                                                        <c:set var="im" value="imageData1" />
                                                                                    </c:when>
                                                                                    <c:otherwise>
                                                                                        <c:choose>
                                                                                            <c:when test="${empty media.urlLink}>
                                                                                                <c:set var="im" value="imageData1" />
                                                                                            </c:when>
                                                                                            <c:otherwise>
                                                                                                <c:choose>
                                                                                                    <c:when test="${empty media.urlLink}>
                                                                                                        <c:set var="im" value="imageData1" />
                                                                                                    </c:when>
                                                                                                    <c:otherwise>
                                                                                                        <c:choose>
                                                                                                            <c:when test="${empty media.urlLink}>
                                                                                                                <c:set var="im" value="imageData1" />
                                                                                                            </c:when>
                                                                                                            <c:otherwise>
                                                                                                                <c:choose>
                                                                                                                    <c:when test="${empty media.urlLink}>
                                                                                                                        <c:set var="im" value="imageData1" />
                                                                                                                    </c:when>
                                                                                                                    <c:otherwise>
                                                                                                                        <c:choose>
                                                                                                                            <c:when test="${empty media.urlLink}>
                                                                                                                                <c:set var="im" value="imageData1" />
                                                                                                                            </c:when>
                                                                                                                            <c:otherwise>
                                                                                                                                <c:choose>
                                                                                                                                    <c:when test="${empty media.urlLink}>
                                                                                                                                        <c:set var="im" value="imageData1" />
                                                                                                                                    </c:when>
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                                                                                                                                                            <c:otherwise>
                                                                                                                                                                <c:choose>
                                                                                                    <c:when test="${empty media.urlLink}>
                                                                                                        <c:set var="im" value="imageData1" />
                                                                                                    </c:when>
                                                                                                    <c:otherwise>
                                                                                                        <c:choose>
                                                                                                            <c:when test="${empty media.urlLink}>
                                                                                                                <c:set var="im" value="imageData1" />
................................................................

```

SAP SmartEdit

Apparel Site UK | Homepage | SmartEdit | Not secure | localhost:9002/smarteredit/#!/storefront

Product Carousel Editor

Content Basic Info Visibility

Name * Chenna RRRS – Deals of the week

Title Chenna RRRS – Deals of the week

Products

Add More

	Acid SS	117896	apparelProductCatalog - Online	...
	Adapt New Era	94415	apparelProductCatalog - Online	...

Categories

Add More

686	686	apparelProductCatalog - Online	...
-----	-----	--------------------------------	-----

ChennaRRRS - yacceleratorstorefront/web/webroot/WEB-INF/views/responsive/cms/productcarouselcomponent.jsp

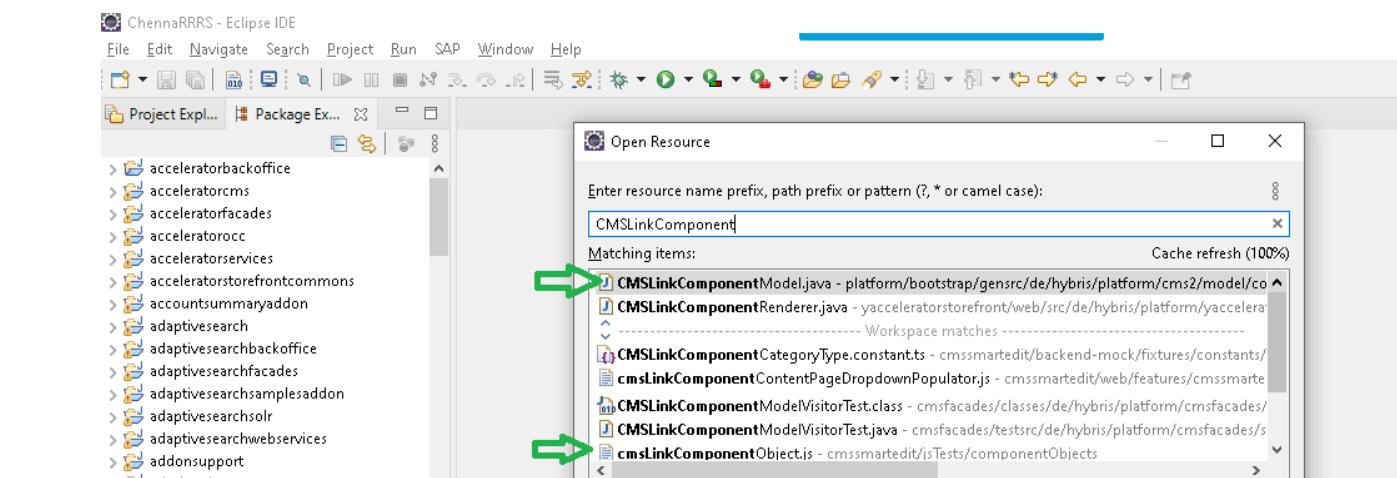
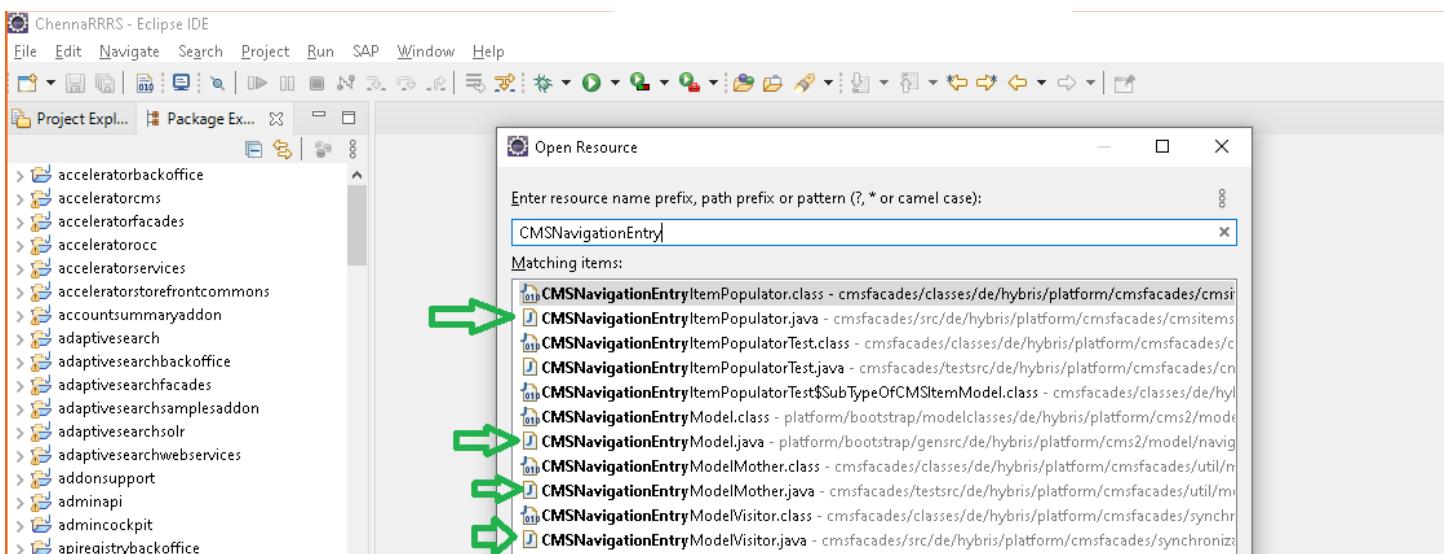
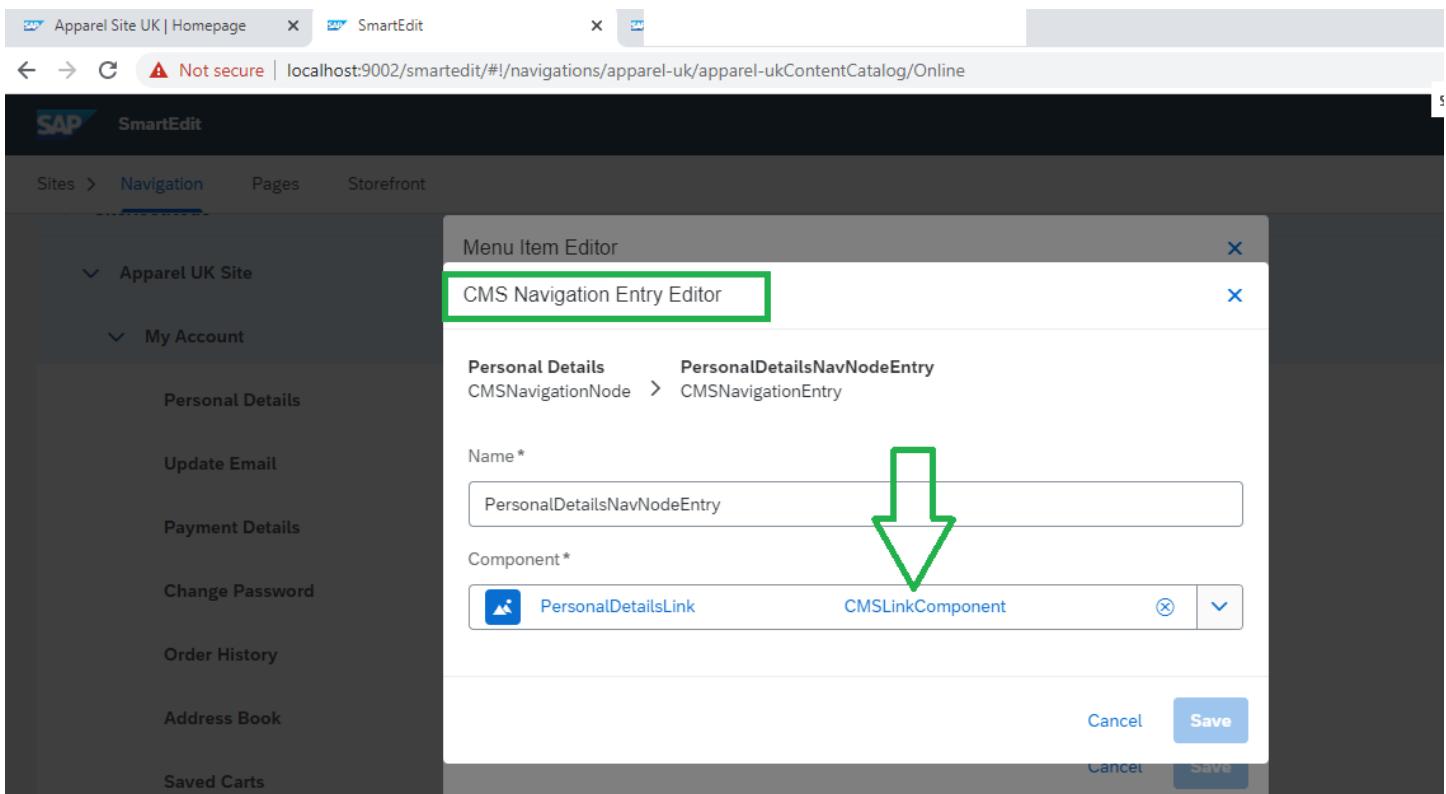
File Edit Source Refactor Navigate Search Project Run SAP Window Help

Project Expl... Package Expl... productcarouselcomponent.jsp

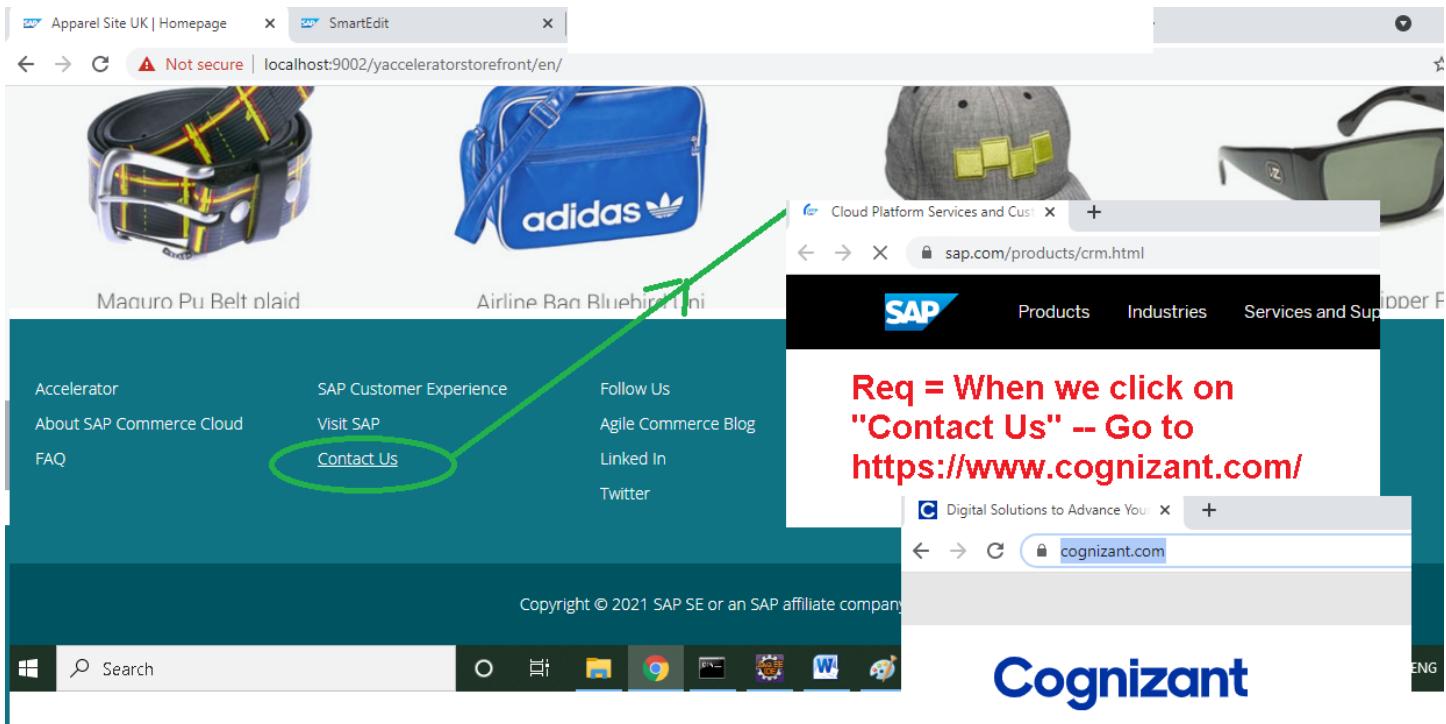
Enter resource name prefix, path prefix or pattern (? *, * or camel case): productcarouselcomponent

Matching items:

- ProductCarouselComponentController.java - yacceleratorstorefront/web/src/de/hybris/platform/...
- ProductCarouselComponentController.java - yb2bacceleratorstorefront/web/src/de/hybris/plat...
- ProductCarouselComponentControllerTest.class - yacceleratorstorefront/web/testclasses/de/hyb...
- ProductCarouselComponentControllerTest.class - yb2bacceleratorstorefront/web/testclasses/de/h...
- ProductCarouselComponentControllerTest.java - yacceleratorstorefront/web/testsrc/de/hybris/pl...
- ProductCarouselComponentControllerTest\$OptionsMatcher.class - yacceleratorstorefront/web/te...
- ProductCarouselComponentControllerTest\$OptionsMatcher.class - yb2bacceleratorstorefront/web/...
- ProductCarouselComponentModel.class - platform/bootstrap/modelclasses/de/hybris/platform/...
- ProductCarouselComponentModel.java - platform/bootstrap/gensrc/de/hybris/platform/cms2lib...
- ProductCarouselComponentModelToDataPopulator.class - cmsfacades/classes/de/hybris/platform/...
- ProductCarouselComponentModelToDataPopulator.java - cmsfacades/src/de/hybris/platform/cm...
- ProductCarouselComponentModelToDataPopulatorTest.class - cmsfacades/classes/de/hybris/plat...
- ProductCarouselComponentModelToDataPopulatorTest.java - cmsfacades/testsrc/de/hybris/plat...



Scenario = Footer Changes



Solution =

A screenshot of the SAP SmartEdit interface, specifically the 'Navigation' section. The navigation tree shows the 'SiteRootNode' with a child node 'Apparel UK Site'. Under 'Apparel UK Site', there are two main categories: 'My Account' and 'Categories'. A sub-node 'Footer Pages' is expanded, showing 'SAP Commerce Cloud Pages' and 'SAP Customer Experience Pages'. The 'SAP Customer Experience Pages' node is selected and has a context menu open. The menu items include 'Edit' (highlighted with a green box), 'Delete' (highlighted with a red box), 'Move Up', 'Add a Child', and 'Add a Sibling'. At the bottom of the menu is a green circle containing three dots (...). Other visible nodes in the navigation tree include 'Follow Us Pages' under 'Follow Us' and 'Accelerator' under 'SAP Commerce Cloud Pages'.

Contact Us = ChennaReddyTraining@RRRS.CO.IN

The image shows three SAP Fiori screens side-by-side:

- Menu Item Editor**: Shows a "Name" field with "Contact Us Page" and a "Title" field below it.
- CMS Navigation Entry Editor**: Shows a navigation tree with "Contact Us Page" under "CMSNavigationNode" and "Contact Us Navigation Node Entry" under "CMSNavigationEntry".
- Link Editor**: Shows a "Name" field with "Contact Us Link", a "Linkname" field with "Contact Us", and a "URL" field with "https://www.cognizant.com". A green checkmark is placed next to the URL field.

Code =

The image shows two parts of the SAP Fiori environment:

- Eclipse IDE**: An iPM (Import/Export Manager) file named "cms-responsive-content.impex" is open. The code contains several entries for CMS Navigation Entries and CMSLinkComponents, including one for a "Contact Us Link" with the URL "http://www.cx.sap.com/contact;newWindow;".
- Contact Us Link**: A Fiori editor for a "Contact Us Link" with the following properties:
 - Visible**: True (radio button selected)
 - PROPERTIES** tab (selected):
 - Linkname**: Contact Us
 - Is external**: False (radio button selected)
 - Content Page**: Empty
 - Category**: Empty
 - Product**: Empty
 - URL**: https://www.cognizant.com/
 - Open In External Window**: newWindow
 - Style Attributes**: Empty

Scenario = Do changes in Pages?

Example =

Your Shopping Bag | Apparel Site SmartEdit Not secure | localhost:9002/yacceleratorstorefront/en/cart

IBM WELCOME CHENNA MY ACCOUNT SIGN OUT

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH 69 SLAM

HOME / BAG (2 ITEMS) £64.72

Today is Thanks Giving Day. If you buy >1000\$... You will get 15% Discount.

Bag | ID: 00009002 Help

CONTINUE SHOPPING CHECK OUT

EXPORT CSV 2 items | £64.72

ITEM (STYLE NUMBER)	PRICE	QTY	DELIVERY	TOTAL
Maguro Pu Belt plaid LXL 300785814				

Solution =

Your Shopping Bag | Apparel Site SmartEdit Not secure | localhost:9002/smarteedit/#!/pages/apparel-uk/apparel-ukContentCatalog/Online

SAP SmartEdit

Sites > Navigation Pages Storefront

Pages

Apparel UK Content Catalog - Online

Pages (4)	cart <input type="button"/>	Create Page <input type="button"/>	
Page Name ^	Page ID	Page Type	Page Template
Cart Page	cartPage	ContentPage	CartPageTemplate
Import CSV as Saved Cart Page	importCSVSavedCartPage	ContentPage	QuickOrderPageTemplate
Saved Cart Details Page	savedCartDetailsPage	ContentPage	AccountPageTemplate
Saved Carts Page	saved-carts	ContentPage	AccountPageTemplate

Contact Us = ChennaReddyTraining@RRRS.CO.IN

Your Shopping Bag | Apparel Site x SmartEdit x

Not secure | localhost:9002/smarteredit/#!/storefront

SAP SmartEdit

Sites > Navigation Pages Storefront Advanced Edit + Component Info Trash

Add Component Drag and drop components onto page

Component Types Saved Components

Search component type by name

WELCOME C

IBM

I'm looking for

BRANDS STREETWEAR

HOME / BAG

Drag & Drop

CMS Flex Component Rotating Images Component

SAP Context-Driven Merchandisi... Mini Cart Component

Paragraph Footer Navigation Component

SearchBox Component Category Navigation Component



Your Shopping Bag | Apparel Site x SmartEdit x

Not secure | localhost:9002/smarteredit/#!/storefront

SAP SmartEdit

Sites > Navigation Pages Storefront Advanced Edit + Component

Paragraph Editor

Content Basic Info Visibility

Name* Chenna RRRS 2

Content* Today is Thanks Giving Day. If you buy <1000\$. You will get 15% Discount.

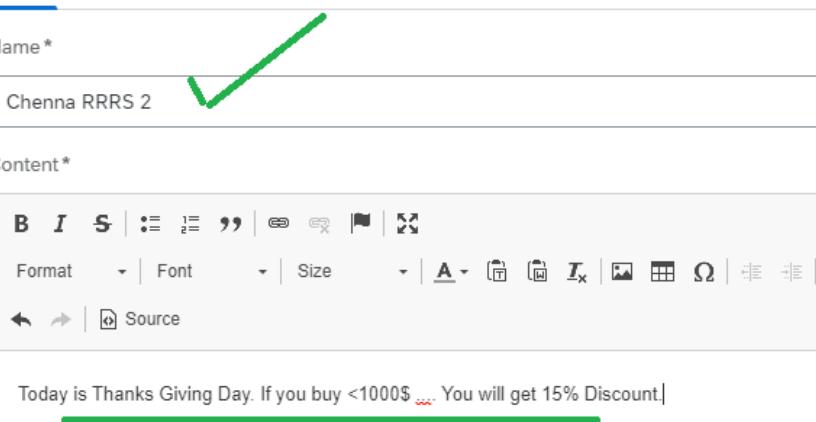
Format Font Size A Source

Save

body

I acknowledge that the editor might contain unsafe html.

Style Classes



Results =

Your Shopping Bag | Apparel Site SmartEdit Not secure | localhost:9002/yacceleratorstorefront/en/cart

IBM

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH 69 SLAM

HOME / BAG

Today is Thanks Giving Day. If you buy <1000\$ You will get 15% Discount.

ChennaRRRS - yacceleratorstorefront/web/webroot/WEB-INF/views/responsive/cms/cmstabparagi

File Edit Source Refactor Navigate Search Project Run SAP Window Help

Project Expl... Package Ex... cmstabparagraphcomponent.jsp

acceleratorbackoffice acceleratorcms acceleratorfacades acceleratororc acceleratorservices acceleratorstorefrontcommons accountsummaryaddon adaptivesearch adaptivesearchbackoffice adaptivesearchfacades adaptivesearchsamplesaddon adaptivesearchsolr adaptivesearchwebservices addonsupport adminapi admincockpit apiregistrybackoffice apiregisterservices apparelstore assistedservicecustomerinterestsaddon assistedservicecustomerinterestsfacades assistedservicefacades assistedservicepromotionaddon

1 <%@ page trimDirectiveWhitespaces="true"%>
2 <%@ taglib prefix="fn" uri="http://java.sun.com/jsp/jstl/functions"%>
3 <%@ taglib prefix="ycommerce" uri="http://hybris.com/tld/ycommercetags" %>
4
5<div class="tabhead">
6 \${fn:escap
7 </div>
8 <div class="tabbody">\${yc

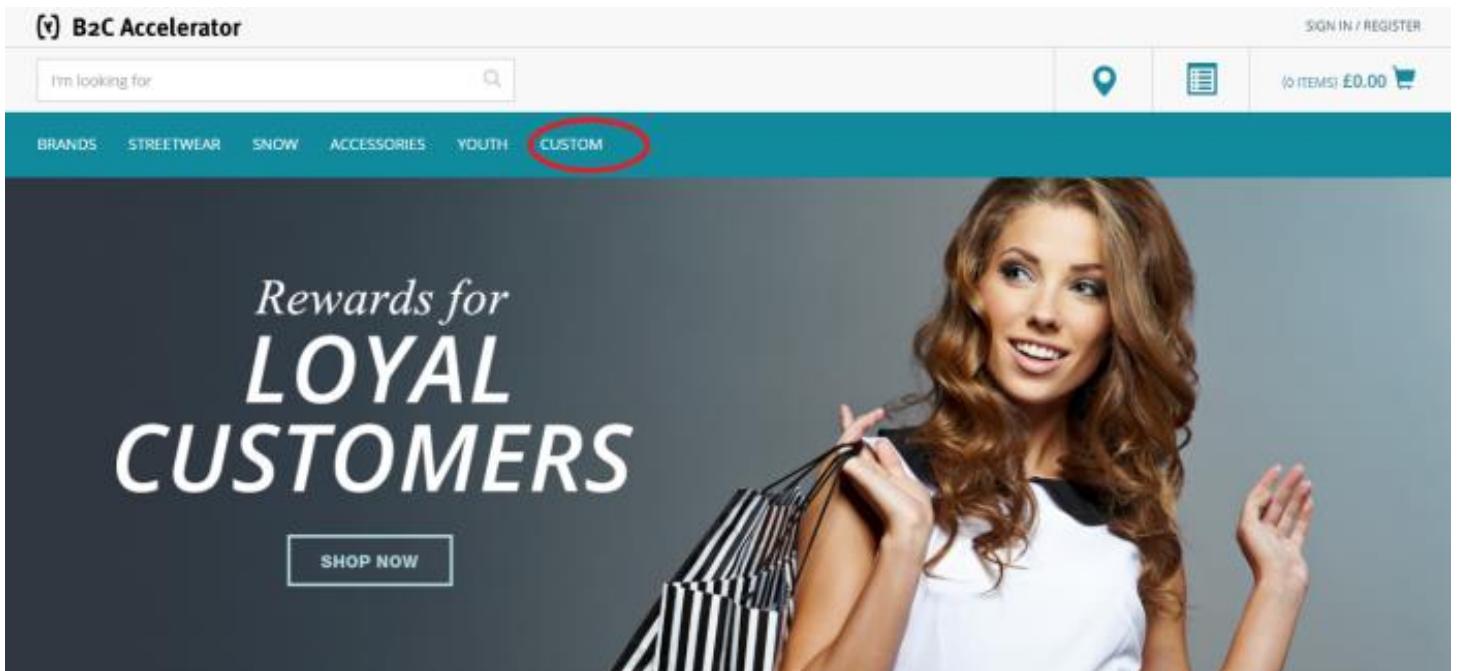
Open Resource

Enter resource name prefix, path prefix or pattern (?,* or camel case): *paragraph*component

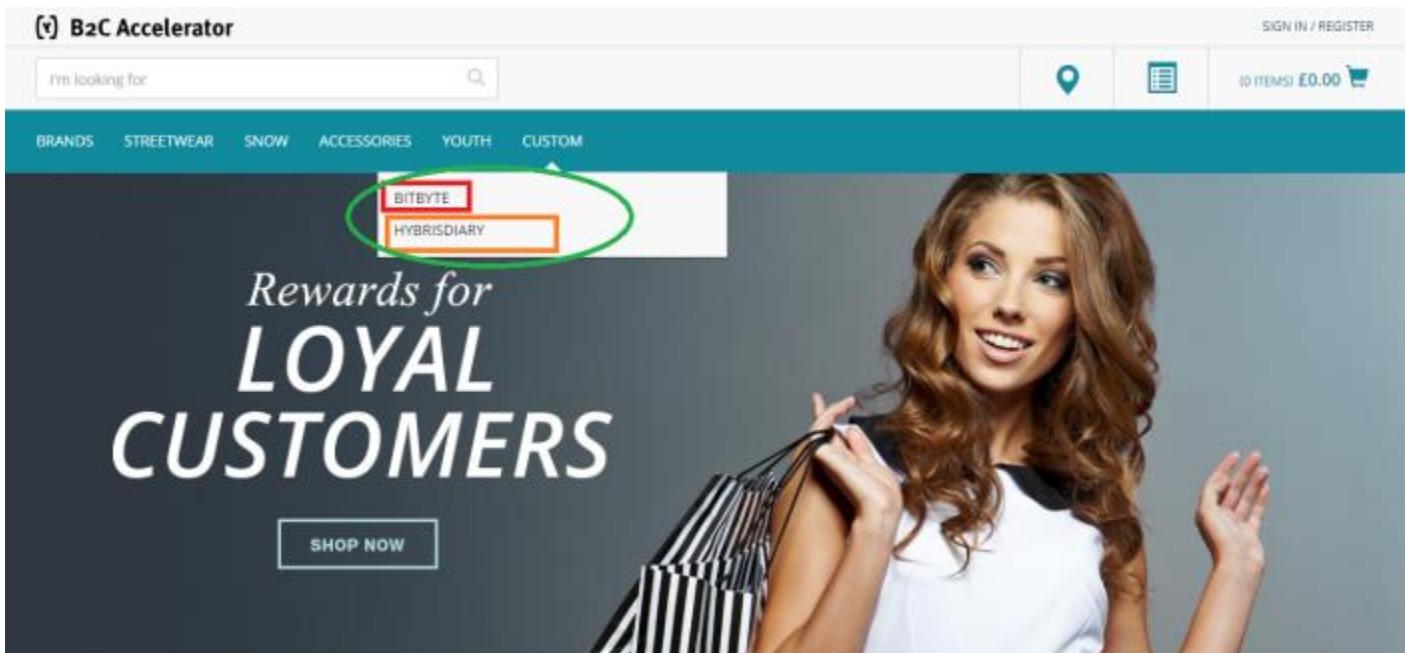
Matching items:

CMSParagraphComponentModel.class - platform/bootstrap/modelclasses/de/hybris/platform/cm
CMSParagraphComponentModel.java - platform/bootstrap/gensrc/de/hybris/platform/cms2/mo
CMSParagraphComponentRenderer.class - acceleratorcms/classes/de/hybris/platform/accelerato
CMSParagraphComponentRenderer.java - acceleratorcms/src/de/hybris/platform/acceleratorm
cmstabparagraphcomponent.jsp - yb2bacceleratorstorefront/web/webroot/WEB-INF/views/repo
CMSTabParagraphComponent.class - acceleratorcms/classes/de/hybris/platform/acceleratorm
CMSTabParagraphComponent.java - acceleratorcms/src/de/hybris/platform/acceleratorm/jalo/
cmstabparagraphcomponent_jsp.class - platform/tomcat/work/Catalina/localhost/yacceleratorst
cmstabparagraphcomponent_jsp.java - platform/tomcat/work/Catalina/localhost/yacceleratorst
CMSTabParagraphComponentModel.class - platform/bootstrap/modelclasses/de/hybris/platform
CMSTabParagraphComponentModel.java - platform/bootstrap/gensrc/de/hybris/platform/accele
contentElement_CMSParagraphComponent.xml - cmscockpit/resources/cmscockpit-config/cock

Scenario = How to create new navigation node using impex?



Create Children nodes of Custom navigation nodes using impex?



Solution =

<https://hybrisdiary.wordpress.com/2018/07/01/navigation-management-in-sap-hybris-commerce/>

Scenario = SEO [Search Engine Optimization]

Q = Why SEO is important for the companies?

93% -- Customers generally do the Google for the Products.

google.com/search?q=samsung+tv+55+inches+price&source=hp&ei=GnOsYJnxNcOe4-EPnqq18Ag&iflsig=AINFOCbYAAAAAYKyBKIMXL1L7nFYTKjbQ_o8UYFOdrGj3&oq=sa...

samsung tv 55 inches price

About 5,44,00,000 results (0.93 seconds)

Q1 = How Google able to display "Product Page Links"?
Q2 = How Google able to display "Category Page Links"?

tatacliq.com/samsung-138-cm-55-inches-smart-4k-ultra-hd-led-tv-aue60-crystal-ua55aue60aklxl

Samsung 138 cm (55 inch) LED TV AUE60 Crystal UA Model, Black

Home > Electronics > TV > 4k Ultra HD TV >

55 in TVs | Costco

Filter Results

Category

Sort by: Best Match

55" | 4K | 3x HDMI | SMART | 55" | 4K |

Q: How google knows Costco Category page URL.

samsung 55 inch tv - Google Search

samsung 55 inch tv

55 in TVs | Costco - Costco Wholesale

Q: How google knows Costco Category page URL.

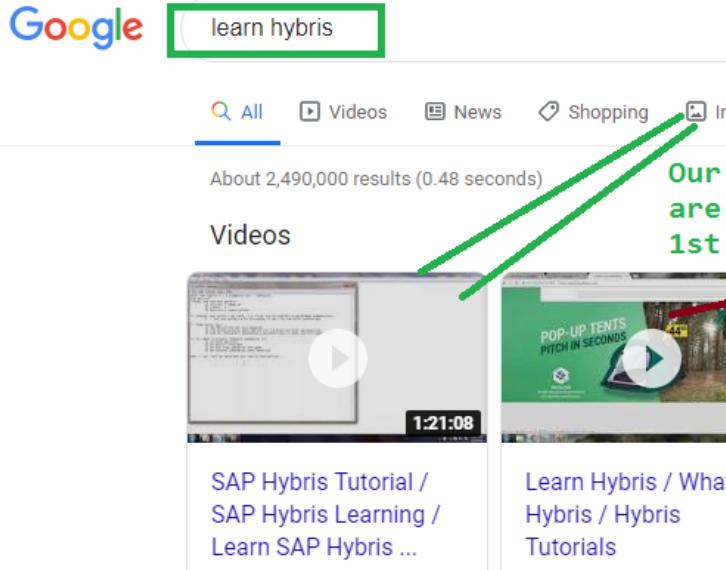
UHD 4K Smart TV RU7100 55" - Specs & Price |

Q: How google knows Samsung Product Detail Page URL?

Contact Us = ChennaReddyTraining@RRRS.CO.IN

learn hybris - Google Search +

← → C https://www.google.com/search?source=hp&ei=Wks-XdrJloqgtQXklp



Our Tutorials
are coming
1st

Q: How google can bring these
into 1st?

=> It will consider lots of
parameters

- 1) How many people viewed
- 2) How many Comments
- 3) How content is useful
- 4) How much time people spending
- 5) Meta data / tags ...
- 6) =====

Q = What are the different elements (or) Jargons SEO (or) Google Crawlers expects in our site?

- 1) Title
- 2) Description
- 3) Keywords
- 4) Canonical Tags
- 5) Meta Tag
- 6) OG Tags
- 7) Sitemaps
- 8) Robots.txt
- 9) URL Structure
- 10) Avoid duplicate content
- 11) Allow ... Disallow
- 12) =====

Scenario = Robots.txt

1) Allow ... Disallow ... = Block (or) Allow Access to pages

2) Sitemap.xml = Contains

a. Product Page URL's

b. Category Page URL's

c. =====

```
# For all robots
User-agent: *

# Block access to specific groups of pages
Disallow: /acceleratorstorefront/en/cart
Disallow: /acceleratorstorefront/en/checkout
Disallow: /acceleratorstorefront/en/my-account

Request-rate: 1/10          # maximum rate is one page every 10 seconds
Crawl-delay: 10             # 10 seconds between page requests
Visit-time: 0400-0845       # only visit between 04:00 and 08:45 UTC

# Allow search crawlers to discover the sitemap
Sitemap: /acceleratorstorefront/en/sitemap.xml

# Block CazoodleBot as it does not present correct accept content headers
User-agent: CazoodleBot
Disallow: /

# Block MJ12bot as it is just noise
User-agent: MJ12bot
Disallow: /
```



```
# For all robots
User-agent: *

# Block access to specific groups of pages
Disallow: /cart
Disallow: /checkout
Disallow: /my-account
Disallow: /profile
Disallow: /search?q=
Disallow: /wishlist
Disallow: /solutionbox/comments/feed/
Disallow: /solutionbox/?s=
Disallow: /solutionbox/tag/
Disallow: /solutionbox/author/
Disallow: /spotlight.html
Disallow: /newsmedia.html

Request-rate: 1/10          # maximum rate is one page every 10 seconds
Crawl-delay: 10             # 10 seconds between page requests
Visit-time: 0400-0845       # only visit between 04:00 and 08:45 UTC

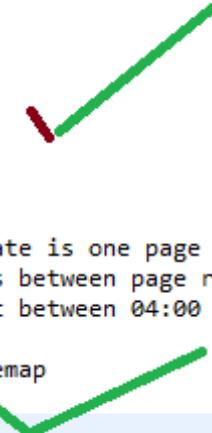
# Allow search crawlers to discover the sitemap
Sitemap: https://www.reliancedigital.in/sitemap.xml
```

```
Photon - rrstrainingstorefront/web/src/com/rrrs/rrstraining/storefront/controllers/misc/RobotsController.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run SAP Hybris [y] Hybris Window Help

Project Explorer RobotsController.java
12
13④ import de.hybris.platform.acceleratorstorefrontcommons.controllers.AbstractController;
21
22④ /**
23 * Controller for web robots instructions
24 */
25 @Controller
26 public class RobotsController extends AbstractController
27 {
28     // Number of seconds in one day
29     private static final String ONE_DAY = String.valueOf(60 * 60 * 24);
30
31④     @RequestMapping(value = "/robots.txt", method = RequestMethod.GET)
32     public String getRobots(final HttpServletResponse response)
33     {
34         // Add cache control header to cache response for a day
35         response.setHeader("Cache-Control", "public, max-age=" + ONE_DAY);
36
37         return ControllerConstants.Views.Pages.Misc.MiscRobotsPage;
38     }
39 }
```



```
129     String StoreFinderDetailsPage = "pages/storeFinder/storeFinderDetailsPage"; // NOSONAR
130     String StoreFinderViewMapPage = "pages/storeFinder/storeFinderViewMapPage"; // NOSONAR
131 }
132
133 interface Misc // NOSONAR
134 {
135     String MiscRobotsPage = "pages/misc/miscRobotsPage"; // NOSONAR
136     String MiscSiteMapPage = "pages/misc/miscSiteMapPage"; // NOSONAR
137 }
138
```



```
1 <%@ page contentType="text/plain" language="java" trimDirectiveWhitespaces="true" %>
2 <%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
3
4 # For all robots
5 User-agent: *
6
7 # Block access to specific groups of pages
8 Disallow: <c:url value="/cart" />
9 Disallow: <c:url value="/checkout" />
10 Disallow: <c:url value="/my-account" />
11
12
13 Request-rate: 1/10          # maximum rate is one page every 10 seconds
14 Crawl-delay: 10            # 10 seconds between page requests
15 Visit-time: 0400-0845      # only visit between 04:00 and 08:45 UTC
16
17 # Allow search crawlers to discover the sitemap
18 Sitemap: <c:url value="/sitemap.xml" />
19
```



```
1 <%@ page contentType="text/plain" language="java" trimDirectiveWhitespaces="true" %>
2 <%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
3 <%@ taglib prefix="fn" uri="http://java.sun.com/jsp/jstl/functions" %>
4 <?xml version="1.0" encoding="UTF-8"?>
5 <sitemapsindex xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
6     <c:forEach items="${siteMapUrls}" var="loc">
7         <sitemap>
8             <loc>${fn:escapeXml(loc)}</loc>
9         </sitemap>
10    </c:forEach>
11 </sitemapsindex>
```

Scenario = Sitemap.mxl

```
<?xml version="1.0" encoding="UTF-8"?>
<sitemapindex xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
</sitemapindex>
```

Note: - Sitemap.xml should give URL's for "Category pages & Product Pages".
But It's not giving anything now... Why?
==> For Sitemap purpose, we have one Cronjob.
We need to run this, So that it will generate the URL's

```
<?xml version="1.0" encoding="UTF-8"?>
<sitemapindex xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <sitemap>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Homepage-en-INR?
context=bWFzdGVyfHNpdGvtXB8MzAzfHRLeHQveGisfHNpdGvtYXAvOTU1NzYxNDQyODE5MC54bwxB8NzZiZWRindf1jMyMNEw&lt;/loc>
    </sitemap>
    <sitemap>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Product-en-INR?
context=bWFzdGVyfHNpdGvtXB8Mz5NDkyMx0ZXh0L3htbHxaXRlbWfwLzk1NTc2MTQ3ODg2MzgueGisfGU0MTVhNzdmMlw&lt;/loc>
    </sitemap>
    <sitemap>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Category-en-INR?
context=bWFzdGVyfHNpdGvtXB8MzNTg0fHRleHQveGisfHNpdGvtYXAvOTU1NzYxNDgyMTQwN154bwx8ZTg4NDZhZDlloT10&lt;/loc>
    </sitemap>
    <sitemap>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Navigation-en-INR?
context=bWFzdGVyfHNpdGvtXB8MzQ0NTR8dGV4dC94bwx8c2l0ZWhcC85NTU3NjE00DU0fHtc0LnhtbHxhNDEzYvYzNzExOGY1&lt;/loc>
    </sitemap>
    <sitemap>
        <loc>https://www.reliancedigital.in/medias/rrldigital-BRANDS-en-INR?
context=bWFzdGVyfHNpdGvtXB8MzQ4MDN8dGV4dC94bwx8c2l0ZWhcC85NTU3NjE00Dg20TQyLnhbtbHxhNThjNjU0Yzk3YjZ1&lt;/loc>
    </sitemap>
    <sitemap>
        <loc>https://www.reliancedigital.in/medias/rrldigital-STORES-en-INR?
context=bWFzdGVyfHNpdGvtXB8MzY2fHRLeHQveGisfHNpdGvtYXAvOTU1NzYxNDkxOTcxMC54bwxB8NwQ2N1YTg50WlwMTR1&lt;/loc>
    </sitemap>
</sitemapindex>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<sitemapindex xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
</sitemapindex>
```

Note: - Sitemap.xml should give URL's for "Category pages & Product Pages".
But It's not giving anything now... Why?
==> For Sitemap purpose, we have one Cronjob.
We need to run this, So that it will generate the URL's

Before we run the CronJob =

Price Settings
Internationalization
Marketing
WCMS
Website
Page Type
Page Template

Apparel Site UK

PROPERTIES WCMS PROPERTIES PERSONALIZATION ADMINISTRATION

SITE MAP CONFIGURATIONS **Nothing**

Site Maps **Nothing** Site Map Configuration **SiteMapConfig[8796093061200]**

Q = How to run the Cronjob manually?

The screenshot shows the Sitecore Backstage interface. On the left, the navigation menu includes 'System' and 'Background Processes'. Under 'Background Processes', 'CronJobs' is selected. A blue arrow points from the text 'How to run the Cronjob manually?' to this menu item. The main area displays a table of cron jobs:

Code	Job definition	Current status	Last result	Timetable
apparel-de-SiteMapMediaJob	siteMapMediajob	NEW	N/A	Interval gap: 6 hours
apparel-uk-SiteMapMediaJob	siteMapMediajob	RUNNING	N/A	Interval gap: 6 hours
electronics-SiteMapMediaJob	siteMapMediajob	NEW	N/A	Interval gap: 6 hours

Below the table, the message "siteMapMediaJob : apparel-uk-SiteMapMediaJob - UNKNOWN - UNKNOWN" is displayed. A green box highlights the row for "apparel-uk-SiteMapMediaJob". The interface then transitions to a detailed view of this specific job:

Code	Current status	Job definition	Last result
apparel-uk-SiteMapMediaJob	RUNNING	siteMapMediajob	N/A

Below this, configuration details are shown:

Timetable	Last start time	Enabled	Last end time
Interval gap: 6 hours	Jul 28, 2019 10:06:18 PM	<input checked="" type="radio"/> True	<input type="radio"/> False

A green arrow points from the text "After Running Cronjob" to the 'Enabled' field.

Note = SiteMapMediaJob generates the URL's based on current website “Products ... Categories ...”.

Results - After we run the CronJob =

The screenshot shows the Sitecore Backstage interface. On the left, the navigation menu includes 'Base Commerce', 'Deeplink Urls', 'WCMS', and 'Website'. 'Website' is selected and highlighted with a green box. A blue arrow points from the text 'After we run the CronJob =' to this menu item. The main area displays a table of websites:

ID	Name	Active	Content Catalogs
apparel-uk	Apparel Site UK	true	Apparel UK Content Catalog

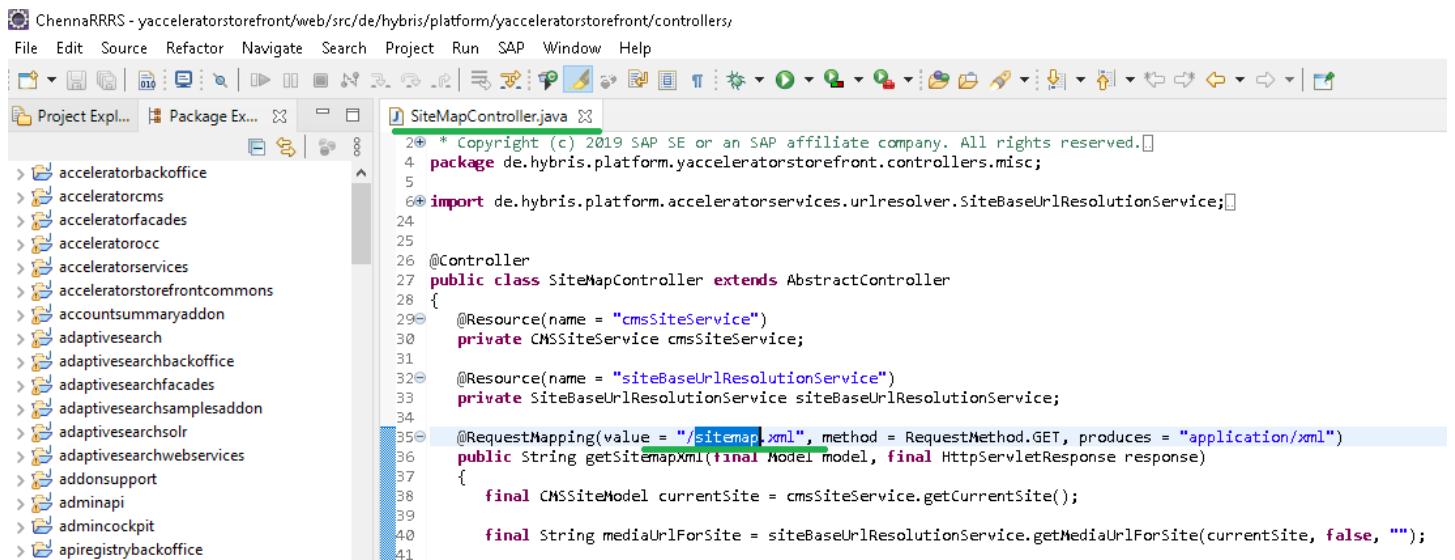
Below the table, the "Apparel Site UK" page is shown. A green box highlights the row for "apparel-uk". The interface then transitions to a detailed view of this specific page:

PROPERTIES		WCMS COCKPIT PROPERTIES	PERSONALIZATION	ADMINISTRATION
Site Maps	Site Map Configuration	SiteMapConfig[8796093126736]		

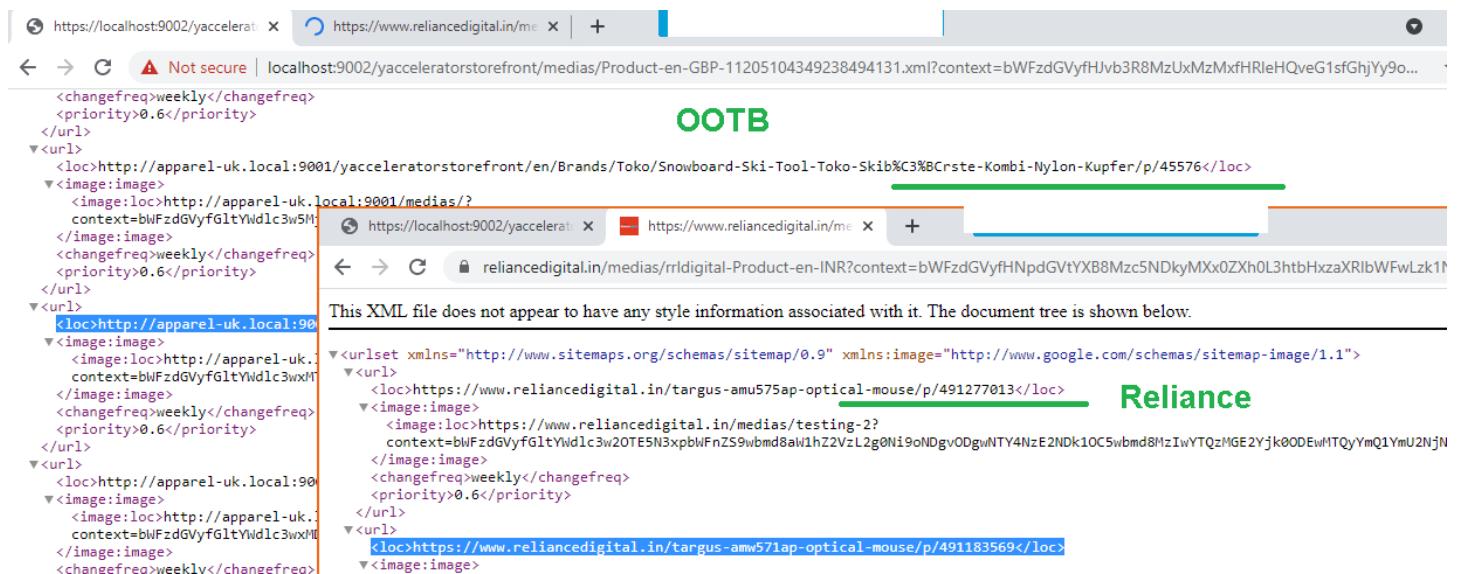
On the right side of the properties panel, a text box contains "SiteMapConfig[8796093126736]". A green arrow points from the text "After Running Cronjob" to this text box.

```
<?xml version="1.0" encoding="UTF-8"?>
<sitemaps.org:sitemapindex xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <sitemap>
        <loc>http://apparel-uk.local:9001/yacceleratorstorefront/medias/Homepage
context=bWFzdGVyFjBv3R8MzI3fHRleHQveGisFg3My9oNzAv0Dc50DkxMTQzHDY4Ni54bwX8YzZlY2Y3YzIxIDQyMT
</sitemap>
    <sitemap>
        <loc>http://apparel-uk.local:9001/yacceleratorstorefront/medias/Product
context=blWfdgVfyHjBv3R8MzUxmZMxfHrleHQveGisFghJy9oNwE0Dc50DkxHTQ5NjIyM54bwX8Nl3YzQ5jmjyM
</sitemap>
    <sitemap>
        <loc>http://apparel-uk.local:9001/yacceleratorstorefront/medias/Categorie
context=bWFzdGVyFjBv3R8MTE0Nx0Zxh0L3tbHx0NDQvaDlxLzg30Tg5MTE1NjE3NTgueGisfGRkMG1Inj3vJByT
</sitemap>
    <sitemap>
        <loc>http://apparel-uk.local:9001/yacceleratorstorefront/medias/Categorie
context=blWfdgVfyHjBv3R80TQyNTv8dGv4dc94bwX8aDc5L2g0M184NzK4OTEExNjI3Mjk0LnhtbhW0VwJyNjdU0YqMzQyJ
</sitemap>
    <sitemap>
        <loc>http://apparel-uk.local:9001/yacceleratorstorefront/medias/Store
context=blWfdgVfyHjBv3R8M1TIS1NjV8dGv4dc94bwX8aDril2hInS84NzK4OTEExNjkyODMlwLnhtbhW0DF12WQ2ZmviYT
</sitemap>
    <sitemap>
        <loc>http://apparel-uk.local:9001/yacceleratorstorefront/medias/Content
context=blWfdgVfyHjBv3R80DM1fHRleHQveGisFg3yMS9oZDQv0Dc50DkxTc10Dm2N154bwX8ZDIzYjhHWW1NTcwOT
</sitemap>
    <sitemap>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<sitemapsindex xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <sitemap>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Homepage-en-Index.html</loc>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Product-en-IN.html</loc>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Category-en-IN.html</loc>
        <loc>https://www.reliancedigital.in/medias/rrldigital-Navigation-en-IN.html</loc>
        <loc>https://www.reliancedigital.in/medias/rrldigital-BRANDS-en-IN.html</loc>
        <loc>https://www.reliancedigital.in/medias/rrldigital-STORES-en-IN.html</loc>
    </sitemap>
</sitemapsindex>
```



Product Page URL's =



Contact Us = ChennaReddyTraining@RRRS.CO.IN

Category Page URL's =

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9" xmlns:image="http://www.google.com/schemas/sitemap-image/1.1">
  <url>
    <loc>http://apparel-uk.local:9001/yacceleratorstorefront/en/Collections/Surf/c/surf</loc>
    <changefreq>daily</changefreq>
    <priority>0.9</priority>
  </url>
  <url>
    <loc>http://apparel-uk.local:9001/yacceleratorstorefront/en/Categories/Clothes/Shirts/c/shirts</loc>
    <changefreq>daily</changefreq>
    <priority>0.9</priority>
  </url>
  <url>
    <loc>http://apparel-uk.local:9001/yacceleratorstorefront/en/categories/daily</loc>
    <changefreq>daily</changefreq>
    <priority>0.9</priority>
  </url>
  <url>
    <loc>http://apparel-uk.local:9001/yacceleratorstorefront/en/categories/air-care/c/101011</loc>
    <changefreq>daily</changefreq>
    <priority>0.8</priority>
  </url>
  <url>
    <loc>http://apparel-uk.local:9001/yacceleratorstorefront/en/categories/covers-for-appliances/c/101022</loc>
    <changefreq>daily</changefreq>
  </url>
</urlset>
```

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9" xmlns:image="http://www.google.com/schemas/sitemap-image/1.1">
  <url>
    <loc>https://www.reliancedigital.in/air-care/c/101011</loc>
    <changefreq>daily</changefreq>
    <priority>0.8</priority>
  </url>
  <url>
    <loc>https://www.reliancedigital.in/covers-for-appliances/c/101022</loc>
    <changefreq>daily</changefreq>
  </url>
</urlset>
```

Flow =

Step 1

```
# For all robots
User-agent: *

# Block access to specific groups of pages
Disallow: /rrrstrainingstorefront/en/cart
Disallow: /rrrstrainingstorefront/en/checkout
Disallow: /rrrstrainingstorefront/en/my-account

Request-rate: 1/10          # maximum rate is one page every 10 seconds
Crawl-delay: 10             # 10 seconds between page requests
Visit-time: 0400-0845       # only visit between 04:00 and 08:45 UTC

# Allow search crawlers to discover the sitemap
Sitemap: /rrrstrainingstorefront/en/sitemap.xml
```

Step 2

```
<?xml version="1.0" encoding="UTF-8"?>
<sitemapindex xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <sitemap>
    <loc>http://apparel-uk.local:9001/rrrstrainingstorefront/medias/Homepage-e
    context=blWFzdGVyfHJvb3R8NjU2MDYwfrHrlhQveG1sfGg10S9nJEvODc5NzY2NjY3MjY3MC54blixB8NmRjMGFrNDbjNzbjOC
  </sitemap>
  <sitemap>
    <loc>http://apparel-uk.local:9001/rrrstrainingstorefront/medias/Product-en
    context=blWFzdGVyfHJvb3R8NjU2MDYwfrHrlhQveG1sfGg10S9nJEvODc5NzY2NjY3MjY3MC54blixB8NmRjMGFrNDbjNzbjOC
  </sitemap>
```

Step 3

```
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9" xmlns:image="http://www.google.com/schemas/sitemap-image/1.1">
  <url>
    <loc>http://apparel-uk.local:9001/yacceleratorstorefront/en/Brands/Toko/Snowboard-Ski-Tool-Toko-Side-Edge-Tuning-Angle-Pro-87-Grad/p/29532
    </loc>
    <image:image>
      <image:loc>
        http://apparel-uk.local:9001/medias/
        context=blWFzdGvGltYWdlc3w0Mj5fGltYWdlL2pwZwd8aWh2ZVzL2gZC9oNzUvODc5Njg3MTMyNzc3NC5qcGd8YjE0YzQ0NmI4NDAwODUwOTkwNTdjOTU0MwM1MDY5MGZ1Zm
      </image:loc>
    </image:image>
  </url>
</urlset>
```

Step 4

Snowboard Ski Tool Toko Side Edge Tuning Angle Pro 87 Grad | ID 29532

★★★★★ | Write a Review

£21.21

Contact Us = ChennaReddyTraining@RRRS.CO.IN

Note = A eCom site can have millions of Products.

Each product will have Product page URL. That's means, you should be having millions of Product page URL's.

Q = Can I put all millions of product page URL's in same “**sitemap.xml**”?.

Generally – We can keep ~50K URL's in 1 sitemap.xml

That means, we can also have multiple sitemap.xml.

Example = ocm.com

The image shows two browser windows side-by-side. The left window displays the content of the robots.txt file at <https://www.ocm.com/robots.txt>. It contains standard directives for search engines, including allowing all pages and disallowing specific paths like /cart, /checkout, and /search. It also allows search crawlers to discover the sitemap and provides a link to the sitemap_index.xml file. The right window displays three separate sitemap XML files: sitemap1.xml, sitemap2.xml, and sitemap3.xml, each located at <https://www.ocm.com/sitemap1.xml>, <https://www.ocm.com/sitemap2.xml>, and <https://www.ocm.com/sitemap3.xml> respectively. Each sitemap includes a <urlset> element containing multiple <url> elements, each with a <loc> attribute pointing to a specific page URL and <changefreq> and <priority> attributes.

Note = Let's say we have 3 language sites (DE ... JA ... EN).

Then we will be having each site with its own sitemap.xml (In this case, we will have 3 sitemap.xml).

Note = Let's say – Website is having 100K Products ... 480 Categories ... Supports 3 Languages = DE ... JA ... EN ...

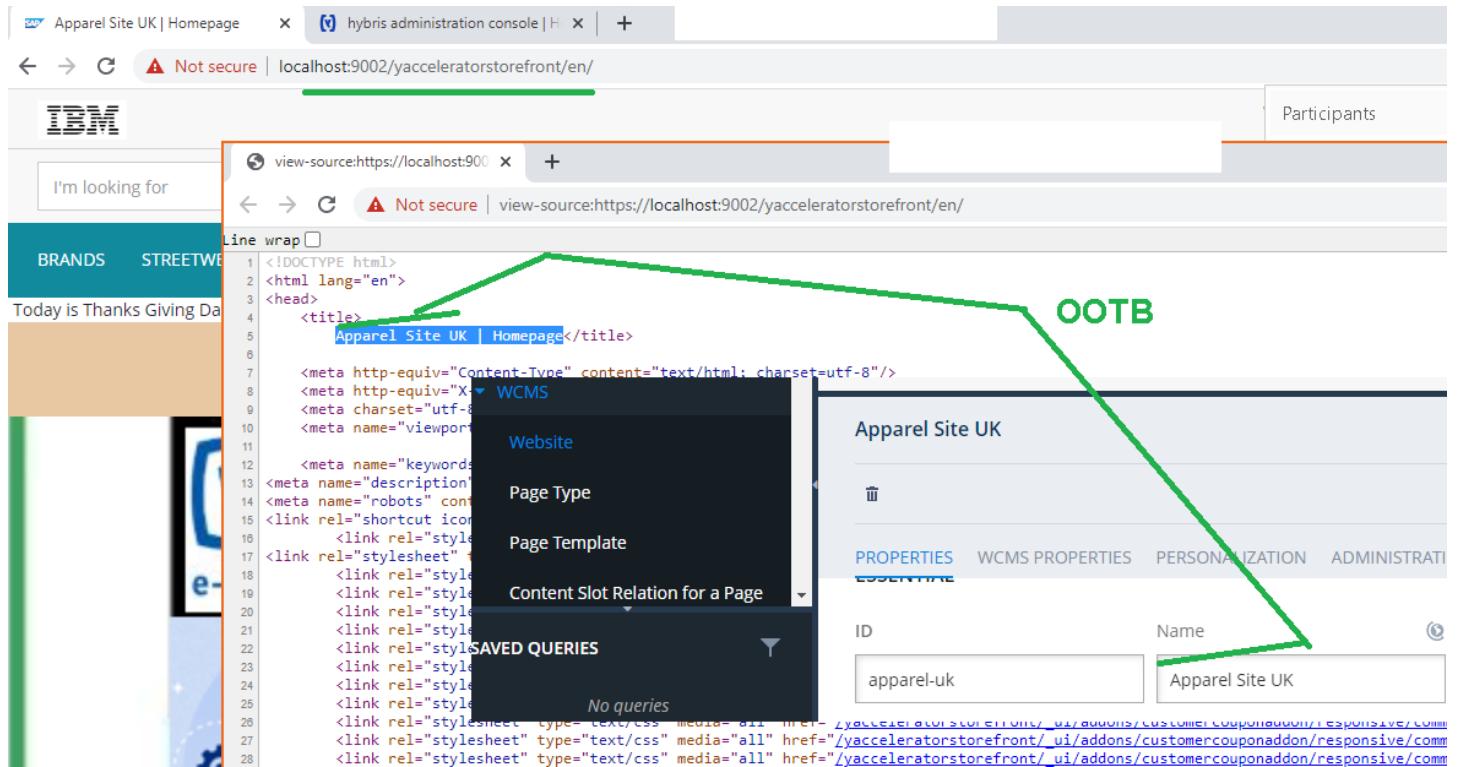
Q = How many total URL's?

$$(100K + 480) * 3 = 301440 \text{ URL's}$$

Scenario = Titles

Homepage, Category page [PLP], Product page [PDP], Search page [Results data is very dynamic], Cart page, Checkout page, Order page, My Account page and

Homapage =



OOTB =

Homepage Title = Website - Name

Assume – Client don't want the OOTB then

Step 1 = *.properties

key.homepage.title = ABC ... XYZ [Ask what title client want]

Step 2 =

Write the logic to read the key & attach the value to **Title**.

Q = Where can we see the Title code?

The screenshot shows the Eclipse IDE interface. On the left is the Project Explorer view with several Java packages listed. In the center is the SiteMapController.java file, and on the right is the master.tag file. The master.tag file contains JSP code, including a title block:

```
10 <%@ taglib prefix="addonScripts" tagdir="/WEB-INF/tags/responsive/common/header" %>
11 <%@ taglib prefix="generatedVariables" tagdir="/WEB-INF/tags/shared/variables" %>
12 <%@ taglib prefix="debug" tagdir="/WEB-INF/tags/shared/debug" %>
13 <%@ taglib prefix="spring" uri="http://www.springframework.org/tags" %>
14 <%@ taglib prefix="htmlmeta" uri="http://hybris.com/tld/htmlmeta" %>
15 <%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
16 <%@ taglib prefix="fn" uri="http://java.sun.com/jsp/jstl/functions" %>
17
18 <spring:htmlEscape defaultHtmlEscape="true" />
19
20 <!DOCTYPE html>
21<html lang="${fn:escapeXml(currentLanguage.isocode)}">
22<head>
23<title>
24    ${not empty pageTitle ? pageTitle : not empty cmsPage.title ? fn:escapeXml(cmsPage.title) : 'Accelerator Title'}
25</title>
```

Category page [PLP] =

The screenshot shows a web browser displaying a category page for 'Snow Jackets' under 'Snowwear men'. The URL is <https://localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/c/190100>. A green arrow points from the breadcrumb 'HOME / CATEGORIES / SNOWWEAR MEN / SNOW JACKETS' to the title tag in the browser's developer tools.

The browser's title bar shows 'Snow Jackets | Snowwear men | view-source:https://localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/c/190100'. The developer tools show the source code with the title tag highlighted:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <title>
5         Snow Jackets | Snowwear men | Categories | Apparel Site UK</title>
6
7     <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
8     <meta http-equiv="X-UA-Compatible" content="IE=edge">
9     <meta charset="utf-8">
10    <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=0">
11
12    <meta name="keywords" content="One,Two">
13    <meta name="description" content="asdkfj;aklsdjf;ljasd;klfj;asdf">
14    <meta name="robots" content="index,follow">
15    <link rel="shortcut icon" type="image/x-icon" media="all" href="/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/c/190100/icon.ico" />
16    <link rel="stylesheet" type="text/css" href="//fonts.googleapis.com/css?family=Open+Sans:400,700&subset=latin,latin-ext" />
```

OOTB =

Category page Title = Breadcrumbs (or) Navigation Hierarchy

Assume – Client don't want the OOTB then

Step 1 = Create a **column** for this in Category table

Step 2 = Ask the business to fill what title values they want

Step 3 = Write the logic to read Category table Columnun value & attach to Category page title.

Product page [PDP] =

The screenshot shows a web browser displaying a product page for 'Rachel Women black Uni | Bags'. The URL in the address bar is `localhost:9002/yacceleratorstorefront/en/Categories/Accessories-women/Bags-women/Rachel-Women/p/300619188`. The page header includes the IBM logo and a search bar. A navigation bar below the header has links for BRANDS, STREETWEAR, SNOW, ACCESSORIES, YOUTH, and 69 SLAM. The breadcrumb trail in the top left corner is highlighted with a green box and shows 'HOME / CATEGORIES / ACCESSORIES WOMEN / BAGS WOMEN / RACHEL WOMEN'. A green line connects this breadcrumb trail to the title element in the browser's developer tools. The developer tools window shows the following HTML code:

```
Line wrap □
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>
5     Rachel Women black Uni | Bags women | Accessories women | Categories | Apparel Site UK</title>
6 
7   <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
8   <meta http-equiv="X-UA-Compatible" content="IE=edge">
9   <meta charset="utf-8">
10  <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no">
11 
```

OOTB =

Product page Title = Breadcrumbs (or) Navigation Hirarchy

Assume – Client don't want the OOTB then

Step 1 = Create a **colum** for this in Product table

Step 2 = Ask the business to fill what title values they want

Step 3 = Write the logic to read Product table Columun value & attach to Product page title.

Scenario = Description

Homepage =

The screenshot shows a browser window with two tabs. The left tab is the 'Apparel Site UK | Homepage' and the right tab is 'view-source:https://localhost:9002/yacceleratorstorefront/en/'. The homepage content includes a search bar, navigation links for 'BRANDS', 'STREETWEAR', and 'SNOW', and a message about Thanksgiving. The source code tab shows the HTML structure with a red arrow pointing to the `<meta name="description">` line.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>
        Apparel Site UK | Homepage</title>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no">
    <meta name="keywords">
    <meta name="description"> -----
    <meta name="robots" content="index,follow">
    <link rel="shortcut icon" type="image/x-icon" media="all" href="/yacceleratorstorefront/_ui/icon.png">
    <link rel="stylesheet" type="text/css" href="//fonts.googleapis.com/css?family=Open+Sans:400,700&display=swap">
    <link rel="stylesheet" type="text/css" media="all" href="/yacceleratorstorefront/_ui/responsive.css">
    <link rel="stylesheet" type="text/css" media="all" href="/yacceleratorstorefront/_ui/style.css">
    <link rel="stylesheet" type="text/css" media="all" href="/yacceleratorstorefront/_ui/color.css">
    <link rel="stylesheet" type="text/css" media="all" href="/yacceleratorstorefront/_ui/iconfont.css">
    <link rel="stylesheet" type="text/css" media="all" href="/yacceleratorstorefront/_ui/iconfont.css">
```

Logic =

Step 1 = *.properties

key.homepage.desc = ABC ... XYZ [Ask what desc client want]

Step 2 =

Write the logic to read the key & attach the value to **Desc**.

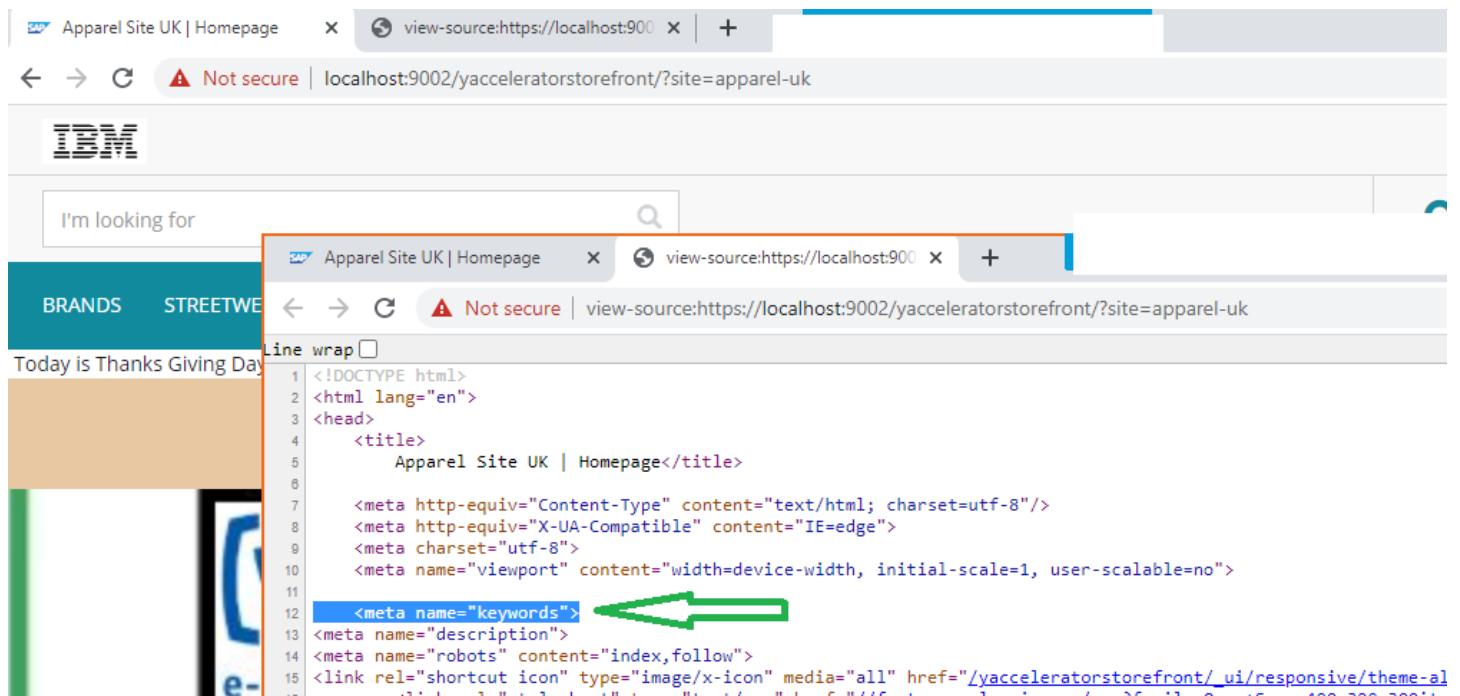
Category Page

The screenshot shows the SAP Administration Cockpit interface. On the left, a sidebar menu is open under 'Catalog' with options like 'Catalogs', 'Catalog Versions', 'Categories', 'Products', 'Product Variant Types', 'Units', and 'Keywords'. The 'Categories' option is highlighted with a green box and has a green arrow pointing to it from the bottom left. On the right, a main content area displays a product record for 'Snow Jackets [190100] - Apparel Product'. The record includes tabs for 'GENERAL', 'CATEGORY STRUCTURE', and 'MULTIMEDIA'. The 'GENERAL' tab shows fields for 'Description' (with a green box around the input field) and 'Keywords' (with a green box around the input field). Below these fields are buttons for 'Format', 'Source', and 'Target'. The 'Keywords' field contains the value 'asdkfj;aklsdjf;ljasd;kljf;asdf'. At the bottom, there are buttons for 'Save', 'Cancel', and 'Delete'. Above the content area, a browser window is visible showing the source code of the product page, which includes meta tags for keywords and descriptions.

Product Page =

Scenario = Keywords

Homepage



The screenshot shows a web browser with two tabs. The main tab displays the homepage of an apparel site with an IBM logo, a search bar, and navigation links for BRANDS and STREETWEAR. A message 'Today is Thanks Giving Day' is visible. The second tab is a 'view-source' window for the same URL, showing the HTML source code. Line 12 contains a <meta name='keywords'> tag. A green arrow points to this tag.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>
        Apparel Site UK | Homepage</title>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no">
    <meta name="keywords"> ←
    <meta name="description">
    <meta name="robots" content="index,follow">
    <link rel="shortcut icon" type="image/x-icon" media="all" href="/yacceleratorstorefront/_ui/responsive/theme-a1/icon/favicon.ico" />

```

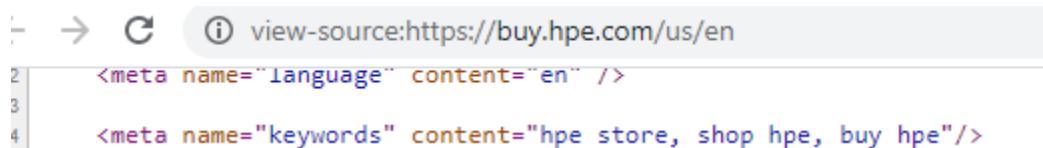
Logic =

Step 1 = *.properties

key.homepage.keywords = ABC ... XYZ [Ask what keywords client want]

Step 2 =

Write the logic to read the key & attach the values to Keywords.



The screenshot shows a web browser with a single tab displaying the source code of an HPE website. Line 4 contains a <meta name='keywords'> tag. A green arrow points to this tag.

```
<meta name="language" content="en" />
<meta name="keywords" content="hpe store, shop hpe, buy hpe"/>
```

Category Page

The screenshot shows a browser window with two tabs: "Snow Jackets | Snowwear men" and "view-source:https://localhost:900". The main content area displays an IBM storefront page for "Snow Jackets [190100] - Apparel Product Catalog : Online". The left sidebar includes links for "BRANDS", "STREETWEAR", "HOME / CATEGORIES", and "Shop by Stores". A modal window titled "Snow Jackets [190100] - Apparel Product Catalog : Online" is open, showing sections for "GENERAL", "CATEGORY STRUCTURE", "MULTIMEDIA", and "ADMINISTRATION". The "DESCRIPTION" section contains fields for "Description" and "Keywords". The "Keywords" field has entries "One[en] - Apparel Product Cat..." and "Two[en] - Apparel Product Cata...". The right side of the screen shows the source code of the page, with a green box highlighting the meta tag for keywords: <meta name="keywords" content="One,Two">. A dropdown menu in the top right corner of the storefront interface is also highlighted with a green box, showing options like "Home", "Inbox", "System", "Catalog" (which is selected), "Catalogs", "Catalog Versions", "Categories", and "Products".

Product Page

The screenshot shows a browser window with two tabs: "Beacon Jacket lime XXL | Snow Ja" and "view-source:https://localhost:900". The main content area displays an IBM storefront page for "Beacon Jacket lime XXL [300441363] -". The left sidebar includes links for "BRANDS", "STREETWEAR", "SNOW", "ACCESSORIES", and "YOUTH". A modal window titled "Beacon Jacket lime XXL [300441363] -" is open, showing sections for "PROPERTIES" and "EXTENDED ATTRIBUTES" (which is highlighted with a green box). The "KEYWORDS" section contains a "Keywords" field with a green box around it. The right side of the screen shows the source code of the page, with a green box highlighting the meta tag for keywords: <meta name="keywords">. A green arrow points from the "Keywords" field in the modal to the corresponding meta tag in the source code. The same dropdown menu in the top right corner of the storefront interface is also highlighted with a green box, showing options like "Home", "Inbox", "System", "Catalog" (which is selected), "Catalogs", "Catalog Versions", "Categories", and "Products".

Configure OG (Open Graph) Tag = Title, Name, Desc, Type & Image.



```
→ C ⓘ view-source:https://www.croma.com/realme-8-128gb-rom-8gb-ram-rmx3241-supersonic-blue-/p/234442
8
9
0
1
2
3
4
5
6
7
8
9
  "offers": {
    "@type": "Offer",
    "priceValidUntil": " ",
    "priceCurrency": "INR",
    "price": "",
    "itemCondition": "NewCondition",
    "availability": ""
  }
}
<meta property="og:type" content="product" /> <meta name="twitter:card" content="summary_large_image" />
<meta property="og:image" content="https://media.croma.com/image/upload/f_auto,q_auto,d_Croma%20Assets:no-product-ima
<meta property="og:url" href="https://www.croma.com/realme-8-128gb-rom-8gb-ram-rmx3241-supersonic-blue-/p/234442" />
```

Canonical Tags

Syntax =

```
<link rel="canonical" href="current page url"/>
```

```
→ C ⓘ view-source:https://www.croma.com/realme-8-128gb-rom-8gb-ram-rmx3241-supersonic-blue-/p/234442
8
9
0
1
2
3
4
5
6
7
8
9
  "offers": {
    "@type": "Offer",
    "priceValidUntil": " ",
    "priceCurrency": "INR",
    "price": "",
    "itemCondition": "NewCondition",
    "availability": ""
  }
}
</script>
<link rel="canonical" href="https://www.croma.com/realme-8-128gb-rom-8gb-ram-rmx3241-supersonic-blue-/p/234442" da
```

```
→ C ⓘ view-source:https://www.croma.com/realme-8-128gb-rom-8gb-ram-rmx3241-supersonic-blue-/p/234442
```

```
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<meta name="tdl-sso-client_id" content="CROMA-WEB-APP">
<meta name="robots" content="index,follow">
<link rel="shortcut icon" type="image/x-icon" sizes="16x16 32x32 64x64" href="/assets/favicon.ico' />
<link rel="apple-touch-icon" href="/assets/croma-icon-192.png" />
```

Contact Us = **ChennaReddyTraining@RRRS.CO.IN**

Scenario = SEO Directives

Robots Attribute = Meta tags are used to help search engines categorize pages correctly. The robots attribute controls whether search engine spiders are allowed to index a page or not, and whether they are allowed to follow links from a page or not. For most use cases, you do not want to index pages that are created dynamically, such as shopping carts.

Default rules for the **robots attribute** in the SAP Comm Accelerator are described in the table below: -

Condition	Rules
The page is rendered in response to aPOST rather than a GET.	NoIndex, NoFollow
The page is a secure GET.	NoIndex, Follow
The page is an insecure GET.	Index, Follow
Other conditions	NoIndex, NoFollow

These rules are configured in **SeoRobotsFollowBeforeViewHandler**, which is in `de.hybris.platform.yacceleratorstorefront.interceptors.beforeview`.

For individual pages, the robots attribute value is passed in by the corresponding controller.

The rules implemented in the controllers are described in the following table:

Page Type	Rules
All My Account, My Company, Checkout and order confirmation pages.	NoIndex, NoFollow
Login pages	Index, NoFollow
Category Browse page	Index, Follow

The rules implemented in the controllers for search results are described in the following table:

Search Results	Rules
If a non-default sort is applied, or a facet filter is applied, or it is not the first page of results.	NoIndex, Follow
On the Store Locator search	Index, Follow
If a Store Locator search term has been entered	NoIndex, Follow
On the search results page	NoIndex, Follow

The following code is used to set the robots attribute value property in the controller:

```
model.addAttribute("metaRobots", "noindex,nofollow");
```

SEO Content Optimization = Each page has the following attributes set to optimize SEO content: -

- Metadata language is set to the current session language
- Page title
- Metadata description
- Metadata keywords

Default Page Titles = The default page titles are set as follows: -

- Product Page: <product.name> | <product.primary_category_hierarchy_in_reverse_order> | <storefront.name>
- Category Page: <category.name> | <category.primary_category_hierarchy_in_reverse_order> | <storefront.name>
- Search Results Page: Search <search terms> | <storefront.name>
- Store Search Results Page: Stores near <search terms> | <storefront.name>
- Store Page: <store.name> | <storefront.name>
- Content Page: <contentpage.title> | <storefront.name>

You can refer to the [PageTitleResolver.java](#) file as an example.

Default Meta Descriptions = The default meta descriptions are set as follows: -

- Product Page: <product.summary>
- Category Page: <category.description>
- Search Results Page: Search results for <search terms> on <storefront.name>
- Store Search Results Page: <storefront.name> Store Locations near to <search terms>
- Store Page: <store.description>
- Content Page: <contentPage.description>

You can refer to the [AbstractPageController.java](#) file as an example.

Default Meta Keywords = The default meta keywords are set as follows:

- Product Page: <productData.keywords>
- Category Page: <category.keywords>
- Search Results Page: <search terms>
- Store Search Results Page: <search terms>
- Store Page: <store.city> <store.postcode> <store.country>
- Content Page: <page.keywords>

You can refer to the [ProductPageController.java](#) file as an example.

Sanitizing Meta Data = There is a MetaSanitizerUtil tool available within the SAP Commerce Accelerator yacceleratorstorefront extension and the yb2bacceleratorstorefront extension.

You can use it to sanitize keywords and descriptions, especially if the descriptions contain HTML code. The HTML is removed; it is not escaped.

SEO URLs = SAP Comm Accelerator storefront, SEO URLs for **products** and **product categories** are generated by resolvers configured using Spring.

Below code from the `commercefacades-spring.xml` file provides an example of this:

```
<alias name="defaultCategoryDataUrlResolver" alias="categoryDataUrlResolver" />
<bean id="defaultCategoryDataUrlResolver" class="de.hybris.platform.commercefacades.url.
<property name="commerceCategoryService" ref="commerceCategoryService"/>
<property name="pattern" value="/{category-path}/c/{category-code}" />
</bean>
<alias name="defaultProductDataUrlResolver" alias="productDataUrlResolver" />
<bean id="defaultProductDataUrlResolver" class="de.hybris.platform.commercefacades.url.
<property name="commerceCategoryService" ref="commerceCategoryService"/>
<property name=" productService" ref=" productService" />
<property name="pattern" value="/{category-path}/{product-name}/p/{product-code}" />
</bean>
```

These resolver classes are used to build internal links and for SEO.

To change the generated URLs, you must:

- Extend the DefaultProductDataUrlResolver or DefaultCategoryDataUrlResolver .
- Change the configured pattern.
- Change the annotated binding in the corresponding page controller, that is either ProductPageController or CategoryPageController .

Type of Target Data	Name	URL	Controller	URL Resolver
Product	Cyber-shot W55	/yacceleratorstorefront/Cameras/Digital-Cameras/Digital-Compacts/Cyber-shot-W55/p/676442	ProductPageController	DefaultProductDataUrlResolver
Category	Digital Compacts	/yacceleratorstorefront/Cameras/Digital-Cameras/Digital-Compacts/c/576	CategoryPageController	DefaultCategoryDataUrlResolver
Content Page	FAQ	/yacceleratorstorefront/faq	DefaultPageController	n/a
Store Finder	tokyo	/yacceleratorstorefront/store-finder?q=Tokyo	StoreLocatorController	n/a

Sitemap Configuration = Sitemaps allow webmasters to inform search engines about pages on their sites that are available for indexing.

Accelerator supports sitemaps for different page types (such as product pages and category pages), as well as for different languages and currencies.

Storefront URL to the Sitemap

<http://electronics.local:9001/yacceleratorstorefront/sitemap.xml>

Web robots page under /robots.txt includes the URL to the sitemap URL:

Sitemap: /yacceleratorstorefront/electronics/en/sitemap.xml

Supported Sitemap Page Types: -

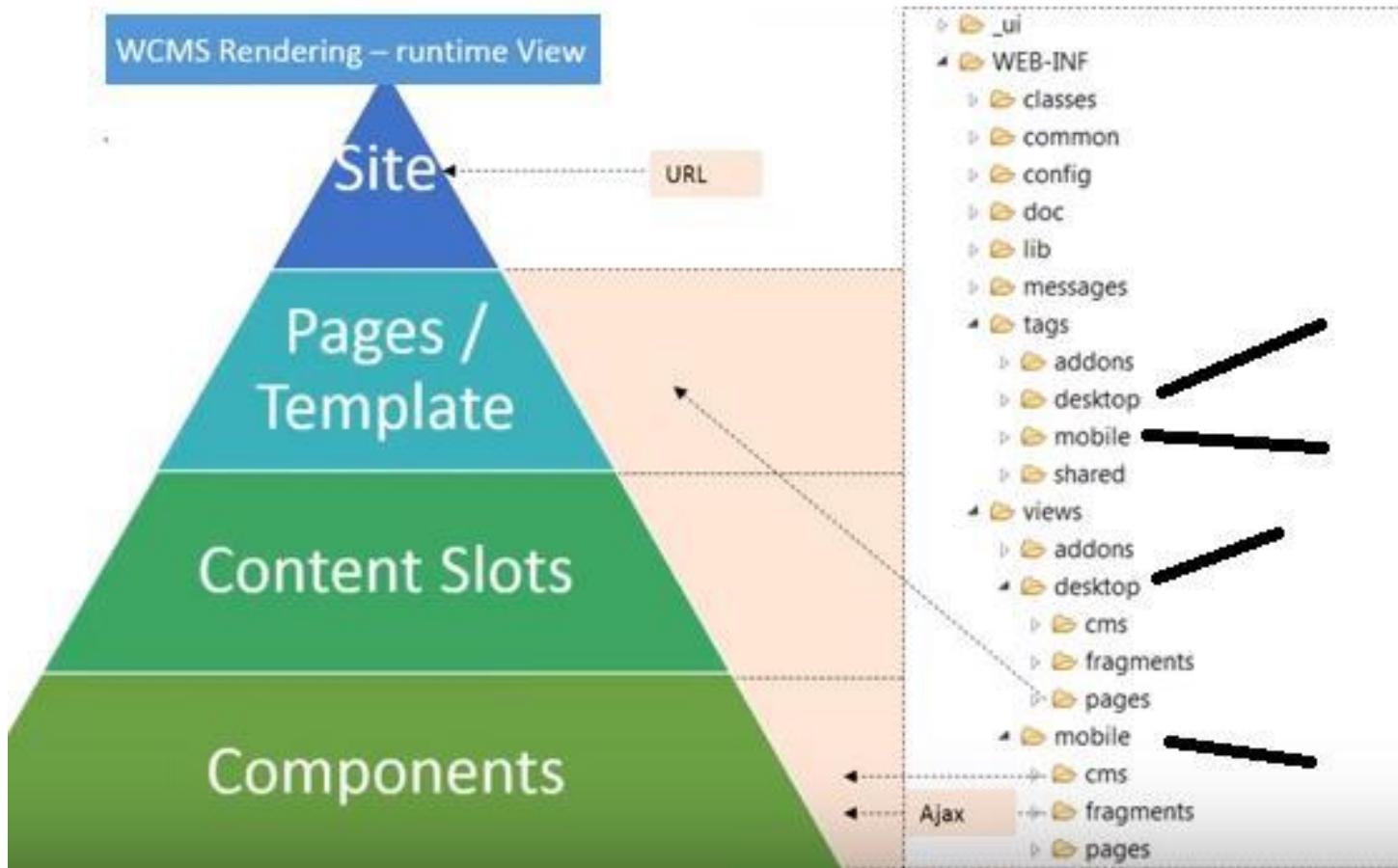
Homepage	Product	Category
CategoryLanding	Store	Content
Custom		

Sitemap URL Change Frequency

SiteMapChangeFrequencyEnum values				
	always	daily	monthly	never
	hourly	weekly	yearly	

SiteMapPageEnum	Bean ID	Populator Bean ID
HOME PAGE	homePageSiteMapGenerator	homepageToSiteMapUrlDataPopulator
PRODUCT	productPageSiteMapGenerator	productModelToSiteMapUrlDataPopulator
CATEGORY	categoryPageSiteMapGenerator	categoryModelToSiteMapUrlDataPopulator
CATEGORYLANDING	categoryLandingPageSiteMapGenerator	categoryModelToSiteMapUrlDataPopulator
STORE	pointOfServicePageSiteMapGenerator	pointOfServiceModelToSiteMapUrlDataPopulator
CONTENT	contentPageModelSiteMapGenerator	contentPageModelToSiteMapUrlDataPopulator
CUSTOM	customPageSiteMapGenerator	customPageToSiteMapUrlDataPopulator

WCMS – Web Content Management Systems =



In “SAP Comm” -- Entire UI of the storefront is managed through WCMS concept.

Note: - Accelerator Storefront Based on Spring MVC framework: -

Model = Represents and manages data

View = Presents the model data

Controller = Responds to user interaction to control model state and presentation of the view

- ✓ We can see in many web applications where view is one JSP file and it will have some tag files or JSPs included inside main JSP file to fulfill the UI requirement (of course CSS and java script will be there).

Note: - The accelerator uses JSP for page rendering.

JSP's located @ =

`[$[HYBRIS_BIN_DIR]/ext-template/yacceleratorstorefront/web/webroot/WEB-INF`

Note: - The Spring MVC controllers specify a view name

Spring is configured to look in =

`[$[HYBRIS_BIN_DIR]/ext-template/yacceleratorstorefront/web/webroot/WEB-INF/views`

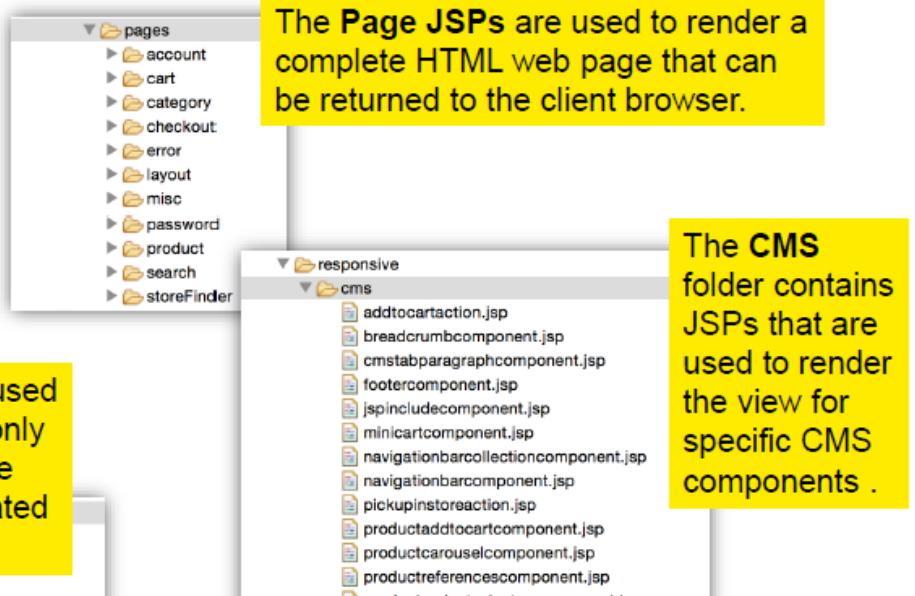
JSP Structure

JSP files are organized into three groups:

- Pages
- Fragments
- CMS

The Fragment JSPs are used to render a view which is only part of the HTML web page and are requested or updated asynchronously.

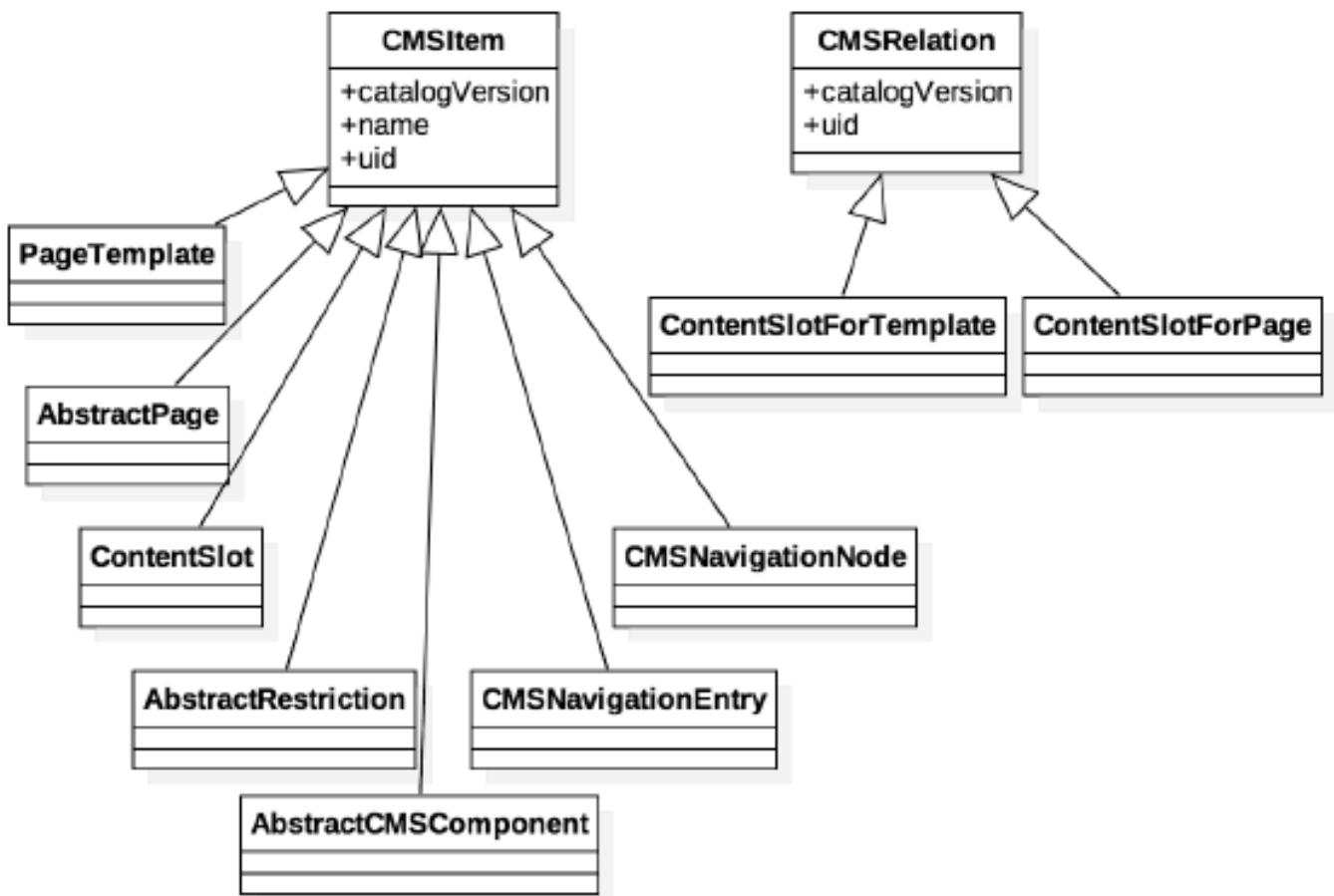
password



- ✓ In “SAP Comm” -- We have all the above things but it is defined with some extra configuration which is controlled by WCMS module.
- ✓ When we look at the hybris storefront, all the UI which we see is defined using WCMS concept.

Q = Explain CMS Items hierarchy? =

- ✓ Every CMS component inherits from “**CMSItem**” type. It has 3 attributes (catalogVersion, name & uid).
- ✓ Each CMS component have multiple versions. Default is **Staged & Online**. Hence all items within CMS hierarchy are “**Catalog Version Aware**”.
- ✓ CMSItem & CMSRelation are managed inside a “**Content Catalog**”.
- ✓ Simplified view of the CMS Items hierarchy:



Q = When to use CMSItem & CMSRelation?

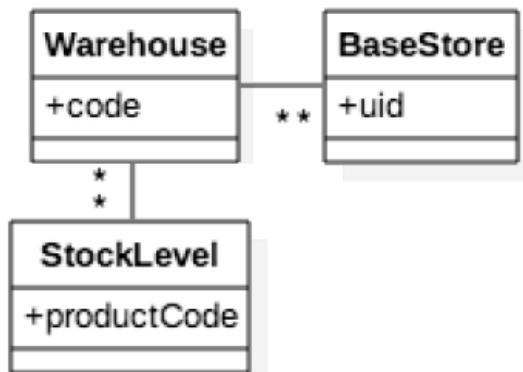
- o CMSItem = Use when you create a new CMS Item (Like a new component / new type of pages).
- o CMSRelation = use when you create a new type which is not a CMS component (but still need catalog version aware).

CMS Components

- o Its base type of each component found on a page.
- o Each CMS Component made of 3 things:-
 - An item that extends “`AbstractCMSComponent`” (or) One of its subtypes.
 - A Spring MVC controller that extends “`AbstractCMSComponentController`”
 - A `JSP` (or other front end technology) to render the component.

Warehouse =

Its part of Order Splitting package, each warehouse is linked to 1 / More `Base Store`. Under each warehouse you `find stock levels`.



Point of Services

It is used by store locator feature. Each point of service is linked to 1 / more warehouses. It can be of different types: -

- (1) Store
- (2) Warehouse
- (3) Point of Service

Q = What are the homepage WCMS components?

Mini Cart Component	Search Box Component
CMS Image Component	CMS Paragraph Component
Navigation Bar Component	Image Banner Component
Rotating Images Component	Product Feature Component
Banner Component	Product Carousel Component

Q = What are the different WCMS Components?

Add To Cart Component	Banner Component
CMS Image Component	CMS Paragraph Component
CMS Tab Paragraph Component	Dynamic Banner Component
Footer Component	Image Banner Component
Image Map Component	Mini Cart Component
Navigation Bar Component	Product Carousel Component
Product Reference Component	Search Box Component
Rotating Images Component	Simple Banner Component
Simple Suggestions Component	Subcategory List Component
Variant Selector Component	Product Feature Component
Category Feature Component	====

Q = Can you tell – What are the different properties you touched in your project? (or) Can you explain some of the properties which are there in **platform\project.properties**.

C:\rrrsssoftware\hybris\bin\platform\project.properties

1) DB related settings (HSQL DB ... Oracle DB ...)

```
db.url=jdbc:hsqldb:file:${HYBRIS_DATA_DIR}/hsqldb/mydb  
db.driver=org.hsqldb.jdbcDriver  
db.username=sa  
db.password=
```

2) Server related (Tomcat)

```
tomcat.http.port=9001  
tomcat.ssl.port=9002
```

3) Cache related

```
cache.main=20000
```

4) General platform

```
spring.lazy.load.singletons=false  
web.spring.lazy.load.singletons=true
```

5) SAP license

```
license.sap.sapsystem=CPS
```

6) Key Generator

In “SAP Comm” we place the Orders.

```
keygen.comments.code.start=00000000
```

```
keygen.order.code.type=numeric
```

7) Language / Localization Settings

lang.packs=de,en,es,es_CO,fr,it,ja,ko,pt,ru,zh,zh_TW,hi,id

8) Web Root related

hac.webroot=/admin

9) Security related

10) Cluster Settings

clustermode=false

11) CronJob Settings

cronjob.trigger.interval=30

12) Mail Settings

mail.from=test@hybris.de

13) Session Settings

default.session.timeout=3600

hac.session.timeout=3600

14) Log4J Settings

log4j.rootLogger=info, CONSOLE

15) User Settings

initialpassword.admin=

admin.password.required=false

16)

Q = Explain “SAP Comm” cache settings recommendations?

```
cms.cache.enabled=true  
regioncache.cmsscacheregion.size=20000  
regioncache.cmsscacheregion.ttl=300  
regioncache.cmsscacheregion.evictionpolicy=LFU
```

```
cache.main=500000  
regioncache.entityregion.size=250000  
regioncache.entityregion.evictionpolicy=LRU  
regioncache.typesystemregion.evictionpolicy=LRU  
regioncache.querycacheregion.evictionpolicy=LRU  
regioncache.typesystemregion.size=50000  
regioncache.querycacheregion.size=20000  
facetsearchconfig.cache.maxentries=500
```

Note = Use **G1GC algorithm for garbage collection instead of CMS.**

Recommendations

- Please check the feasibility of maintaining below JVM Flags on Hybris Nodes(local.properties)
- -Xms12G -Xmx12G -XX:+UseG1GC -XX:+UseTLAB -XX:+PrintTenuringDistribution -XX:+PrintGCDateStamps -
XX:+PrintGCDetails -XX:G1ReservePercent=15 -XX:G1HeapRegionSize=8m -XX:GCLogFileSize=1M XX:SurvivorRatio=4 -
XX:MaxTenuringThreshold=15 -XX:TargetSurvivorRatio=90 -XX:ParallelGCThreads=4 - XX:+UseGCLogFileRotation -
XX:NumberOfGCLogFiles=10 - XX:GCLogFileSize=100M