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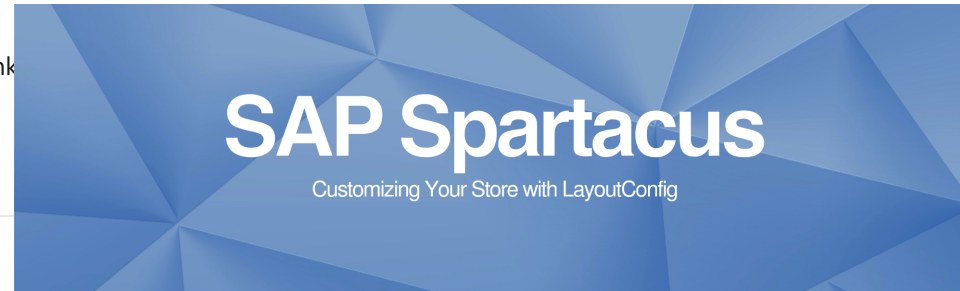
Customizing Your Store with LayoutConfig in SAP Spartacus

Avinash Jadhav
SAP Composable Storefront(formerly Spartacus) Trainer / Coach / Expert |...

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Creating a great online store is about making it easy for customers to find what they want. The **LayoutConfig** in SAP Spartacus is a tool that helps you do just that by allowing you to customize the layout of your store's pages.

With the **LayoutConfig**, you can decide where different parts of the page, such as the header, footer, and main content area, should go. You can also use it to place specific elements, like a product grid or a search bar, in the best spot for customers to find them. This makes it easier for customers to find what they are looking for and makes your store more user-friendly.

Page layout and LayoutConfig

Think of your online store as a house, the Page Templates in the CMS act as a blueprint, the LayoutConfig as the interior designer, and the slots and components as the furniture. The Page Templates in Spartacus are designed to make it easy for you to organize common slots and components, such as header and footer sections, to create a cohesive and intuitive browsing experience for your customers. With

the LayoutConfig, you can easily arrange these elements like a pro, allowing your customers to navigate your store.

The LayoutConfig fills this gap by providing layout information to the view logic and determining the order in which the page slots are rendered. Additionally, you can use CSS rules to further customize the layout.

LayoutConfig class in details

```
// Define Layout Config

export const customLayoutConfig: LayoutConfig = {

}
```

Above we have defined a custom layout config object which stores information about the storefront view.

Header configuration using LayoutConfig:

```
export const customLayoutConfig: LayoutConfig = {
  layoutSlots: {
    header: {
      lg: {
        slots: [
          'SiteLogo',
          'SearchBox',
          'MiniCart'
        ]
      },
      md: {
        slots: [
          'SiteLogo',
          'MiniCart',
          'SearchBox',
        ],
      },
      slots: ['SiteLogin', 'SiteLogo', 'MiniCart','SearchBox' ]
    }
  }
}
```

Custom Layout config for header

The layoutSlots property is an object that contains all the layout slots that can be configured. In this case, the only layout slot being configured is the "header" slot.

For each layout slot, you can configure the layout for different screen sizes, such as lg (large) and md (medium).

In this example, the code defines the layout for both lg and md screens.

The slots property of each screen size contains an array of component names that should be displayed in the slot, in the order they are listed.

For the lg screen size, the slots are defined as ['SiteLogo', 'SearchBox', 'MiniCart'], which means that the SiteLogo component is displayed first, followed by the SearchBox component and then the MiniCart component.

For the md screen size, the slots are defined as ['SiteLogo', 'MiniCart', 'SearchBox'], which means that the SiteLogo component is displayed first, followed by the MiniCart component and then the SearchBox component.

For the default screen size, the slots are defined as ['SiteLogin', 'SiteLogo', 'MiniCart','SearchBox'], which means that the SiteLogin component is displayed first, followed by the SiteLogo component, the MiniCart component, and then the SearchBox component.

You can also define configurations for existing templates such as **ProductDetailsPageTemplate** or **AccountPageTemplate.**

```
                            LayoutConfig

export const customLayoutConfig: LayoutConfig = {
  layoutSlots: {
    header: {
      ...
    },
    ProductDetailsPageTemplate: {
      lg: {
        pageFold: 'UpSelling',
        slots: [
          'Summary',
          'Section2',
          'UpSelling',
        ],
      },
      pageFold: 'Summary',
      slots: [
        'Summary',
        'UpSelling',
      ],
    },
  }
}
```

In above example, we have defined layout config for pre-defined page template called ProductDetailsPageTemplate for both lg and default screen sizes.

The **pageFold** property of each screen size is used to specify the point on the page where the user needs to scroll down to see more content. In this example, the pageFold is set to the 'UpSelling' component for large screens and to the 'Summary' component for default screens.

> In summary, the LayoutConfig in SAP Spartacus is a game-changer for online store design. It gives you the freedom to create a unique and user-friendly experience for your customers.

Make sure to follow my future articles to learn more about SAP Spartacus and take your storefront to new heights.

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Kashif Hashmi • 2nd   2mo •••
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Avinash Jadhav

SAP Composable Storefront(formerly Spartacus) Trainer / Coach / Expert | Angular | React.js

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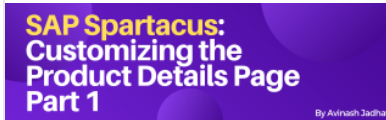
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