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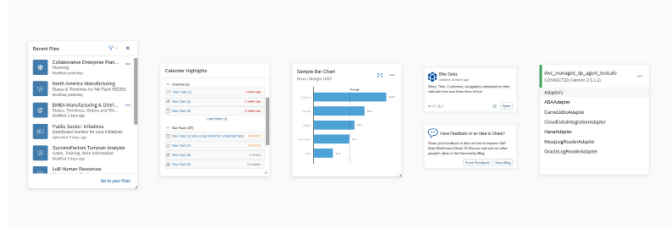
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Cards



Different cards from HANA Database & Analytics applications (selection)

Overview

Cards are containers for information and actions about a certain subject. Cards can have varying layouts and sizes.

Same as the [Central Fiori Guideline](#) describes, two major card types can be found in our applications:

- **Single Object Cards** display content regarding a single topic, object, or entity.
- **Group Object Cards** contain a subset of items grouped by a common criterion or concept.

Usage

Cards display varying types of content from different sources in one page, allow users to preview application content, monitor key topics, and quick start relevant tasks. Cards are frequently used on the homepage of our applications. Cards can have flexible layouts, and users can resize and move them on a [Dynamic Canvas](#) as needed.

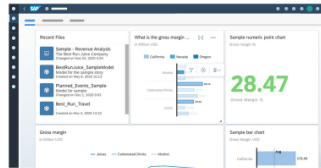
HANA Analytics Cards have additional variations and specifications for some discussed standard Fiori card types, and they are covered in this article and should be used as the primary guideline for our applications.

Use the cards if:

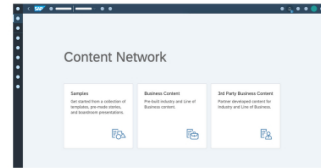
- You want to show dynamic information with multiple interactive elements and interaction areas.
- You need to show previews of app content from different sources for different topics.
- You want to enable users to resize and rearrange the container for personalization.

Don't use the cards if:

- You want to provide at-a-glance information or display a single type of content only (for example, images or icons). Use [Tiles](#) instead.
- You only need a navigational component that directs the user to an application or a page (use the container itself is a link). Use [Tiles](#) instead.



Cards on SAC's Homepage

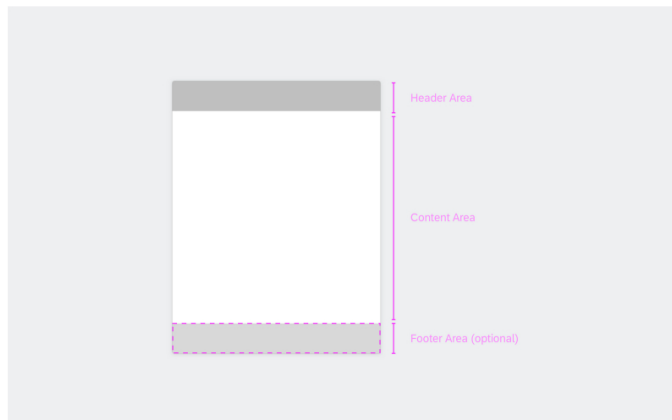


Tiles on SAC's Content Network

Cards vs. Tiles

Cards are used for representing a conceptual unit that may contain varying types of information and multiple interactive elements. **Tiles** provide at-a-glance information and mainly offer an entry point to an app or destination, tiles don't have multiple interactive elements or areas.

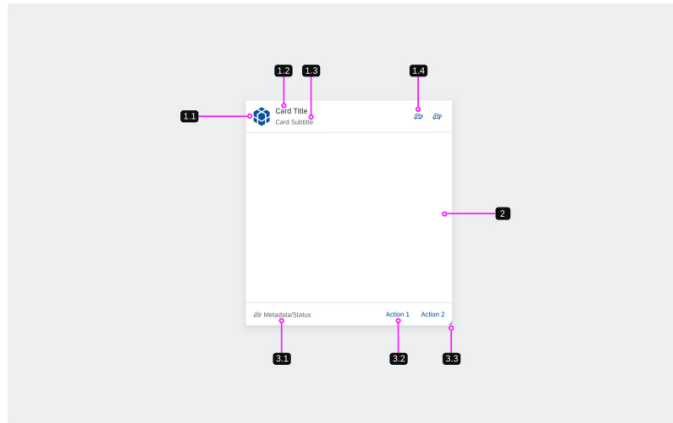
Anatomy



The most basic structure of a Card, defined by Fiori, comprises a mandatory header and content area. The optional footer area can be used as needed in HANA Analytics applications and is not restricted to a particular card type.

router area can be used as needed in HANA Analytics applications and not restricted to a particular card type described in Fiori.

A card may focus on a single object or on a group of objects, and the layout and dimensions of a card may vary accordingly to support different content. The following elements are commonly found in our applications, some of them are required and others are optional. If the template below cannot fulfil the needs of a particular use case, you have the option of creating custom cards with different elements; however, please be considerate regarding the inconsistency it might cause within and across products.



1.1 Avatar (optional)

The avatar is for displaying an icon, user profile, initials, or logo. For example, a leading icon is often used in our applications and signifies the type of topic, parent app, or underlying content.

1.2 Title

The title is mandatory and describes what the card is about in plain, conversational language. It should be concise and easy to read, truncate titles that longer than one line and reserve the actions area if applicable

1.3 Subtitle (optional)

The subtitle is optional. Depending on the card type, it can show a status, timestamp, or offer an explanation. Truncate subtitles that exceed one line with an ellipsis (...).

1.4 Header Actions (optional)

The header actions are optional and located on the right of the header area. These high-level actions appear on hover. A maximum of 3 actions (icon-only buttons) are allowed in the available actions space, additional actions can be moved into the overflow/popover menu, represented by the ellipsis (...). If the card is used on a dynamic canvas, it may have a (X) button which allows the user to delete the card from the current page.

2. Card Content

Same as the Fiori guideline, the content area is mandatory and often reserved for application content. In our applications, the content area may contain a chart, list, table, calendar events, image, notification, or a combination of elements. Interactive elements found in the content area including but not restricted to links, charts, and buttons.

3.1 Metadata/Status Information (optional)

The metadata/status information is optional and located on the left side of the footer area. Both icon and text can be used to indicate the status of an object or app.

3.2 Footer Actions (optional)

The footer actions are optional, they often open the underlying content or navigate the users to a linked page or space. A maximum of three action buttons are allowed in the footer area, additional actions can be moved an overflow menu (...). The buttons are aligned to the right, [Icon-only](#), [Secondary Ghost](#), or [Transparent Highlight](#) buttons can be used in the footer area.

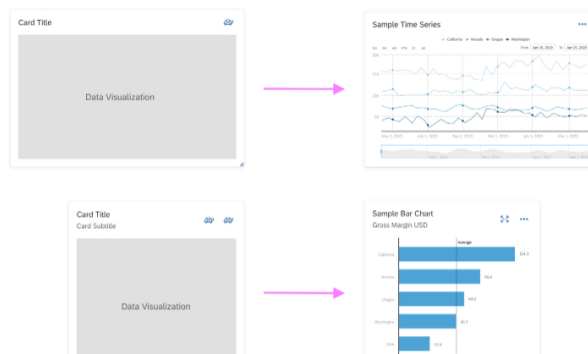
3.3 Resize Handle (optional)

The footer area also may contain a resize handle icon as the flexible card layout. The use of this feature and icon are also optional, not all cards can be resized.

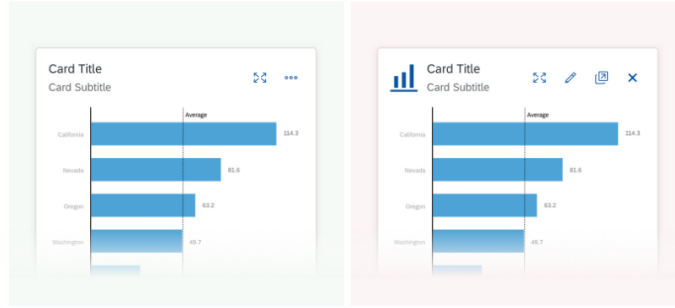
Types (WIP)

This section showcases the common card types and the range of varieties, and it is still a WIP and should not be read as exhaustive. Three standard Fiori Card types with **HANA-Analytic specifications** that often used in our applications:

1. Analytical Card



The **Analytical Card** is a standard Fiori card type that used for data visualization and often shown on the Homepage of our applications. It consists of a header area and a chart area, and the visual representation of the data can be static or interactive. In SAC, depending on the type of visualizations, the header actions might be different. The Analytical Card is a single object card and does not contain a footer area. This type of card can be resizable or fixed in size.

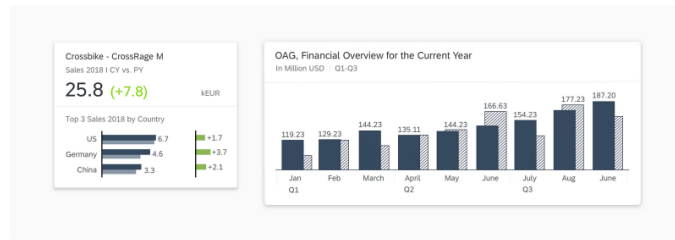


Do's

Use Title and Subtitle (optional).
 User overflow for additional header actions.

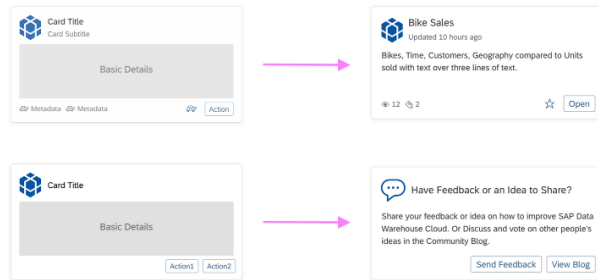
Don'ts

Don't use Avatar/Icon for Analytical Cards.
 Don't surface more than 3 actions in the header area.

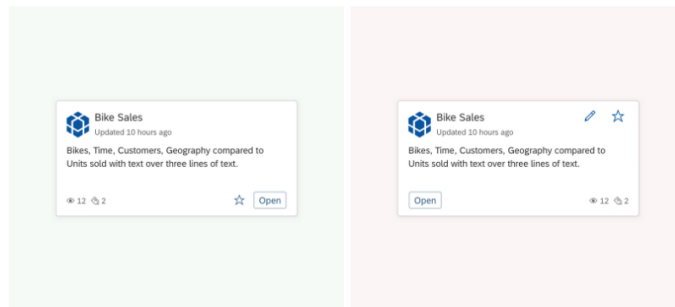


Special Example - Fiori for Analytics
 The Analytical Cards defined by **Fiori for Analytics Guidelines** can contain multiple communication and navigation elements, which often used for embedded scenarios and do not have header actions. The card has a more comprehensive structure with a KPI Value Area, Additional Text (optional), and Chart Area. Analytical cards from Fiori for Analytics use IBCS semantic patterns.

2. Quick View Card



Quick View Cards are Single Object Cards, and they display the basic details for one object or subject. The use of this type cards is not restricted to the Fiori guideline, the cards can be used on the homepage and other areas in our applications, for profile information, data attribute, and account information etc. It contains a header, content, and footer area. Quick view cards are often fixed in size and designed in a horizontal layout.



Do's

Use the avatar to help differentiate the type of object/content

Don'ts

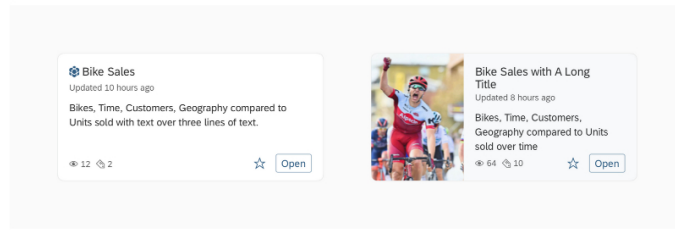
Don't misplace the action buttons and metadata in the footer

object/property/content.

Place metadata/status information to the left side of the footer and action buttons to the right.

router.

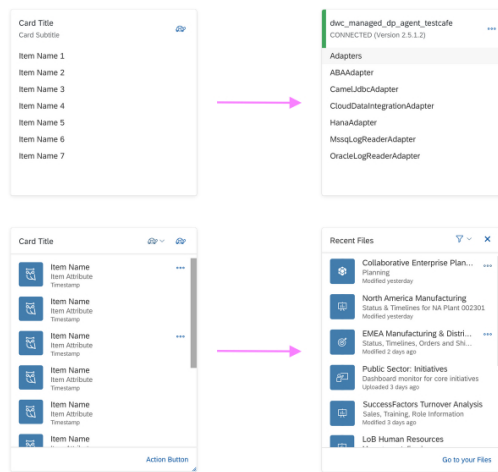
Don't use both header and footer actions for quick view cards.



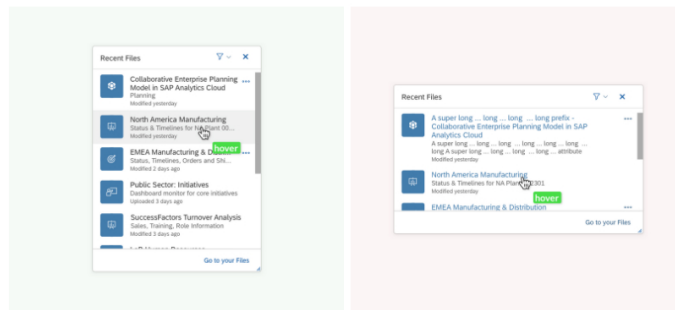
Special Example - Catalog Card

The Catalog Card is a special example of Quick View Card. It contains a header, content, and footer area. Each card is an entry point for the underlying content. A Catalog Card is fixed in size and may contain a full-bleed (except the right edge) cover image. Catalog cards are used under the Catalog tab of SAC's Homepage and DWC's Business Catalog.

3. List Card



The **List Card** is also one of the standard Fiori card types that display a set of items or link in a list format. It contains a header, content area, and an optional footer area is optional. **In HANA Analytics applications, these cards are often used for accessing files, checking relevant tasks, and calendar events.** The list of items can be dynamic and interactive. You can use an icon, image, link, and buttons in an item. The list card is often resizable.

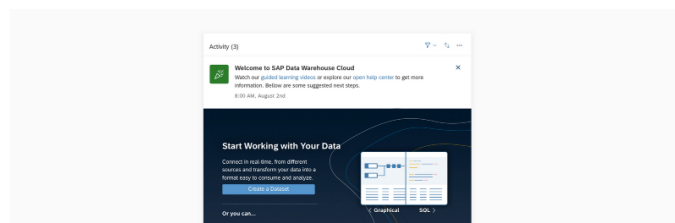


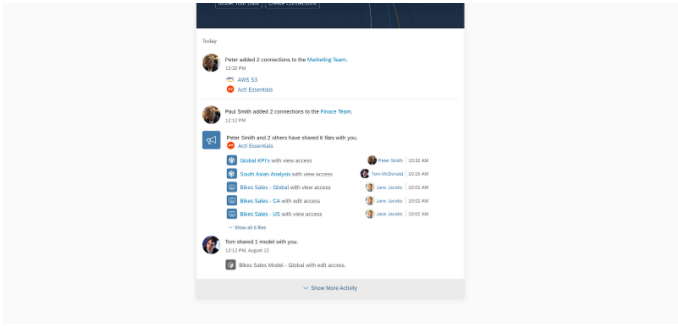
Do's

Reserve enough content space for scrolling and reveal at least 5 list items.
For the link list, use the entire list item as a clickable element with proper interaction states.

Don'ts

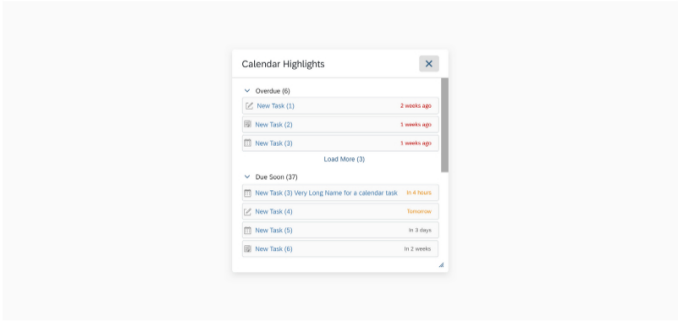
Don't set fixed/default dimensions that has limited content space for List Cards.
The item name and attribute (optional) should not exceed 2 lines.
Don't use link text as the indicator instead of a hover state.





Special Example - Activity Card

The Activity Card is a HANA-Analytics-specific and a very special example of List Card, and the list items are dynamic notifications and information-dense. It contains a header, content, and footer area. In our applications, it is fixed in width and located in the centre of the homepage. The height of the card is dynamic as users can scroll and load more notification feeds if applicable. Regarding the notification content, please read **Notifications** for more details.



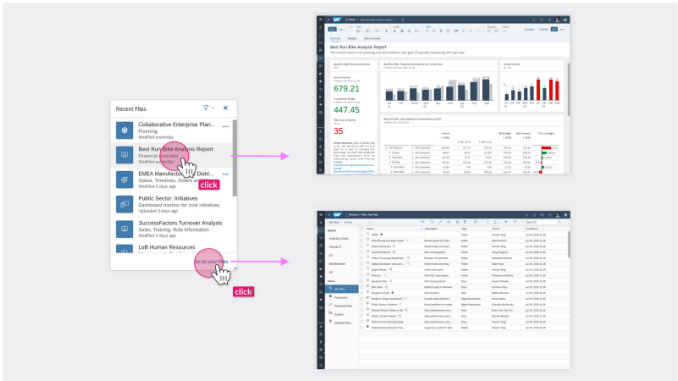
Special Example – Calendar Highlights Card

The Calendar Highlights Card is also a special example of List Card. It contains a header and content area. Its list items have two levels. The top-level items are **Trees**, the secondary level list items are embedded in tokens with icons and titles. The list of Trees represent the event/task categories and can be expanded, the individual token is a link to the target event/task, and a load more button may be available when there are more items. The list content is highly customized and shouldn't be used as a standard List Card for different purposes.

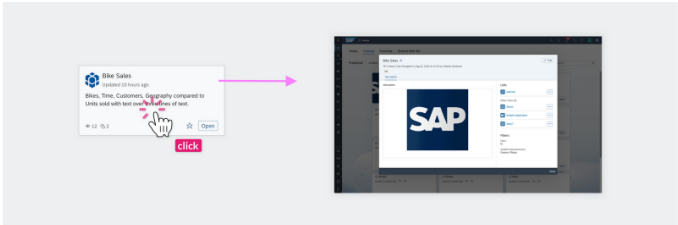
Behavior and Interactions

There are various interactions for different types of cards and layouts. Here are the common interactions a card can have, please note these may not apply to all cards.

Navigation



Some cards may have links that help the user to navigate to corresponding files and content. In our applications, links are often represented by the list items in the list cards. If the list item comprises icon, title, and subtitle, show no more than 6 by default and hide the rest. To see more items/links the user can scroll the list or resize the card if applicable.



A card itself may be clickable and can direct the user to corresponding content or space. In our applications, SAC's

Catalog Cards and DWC's Space Cards are examples of such behaviour and interactions.

Delete

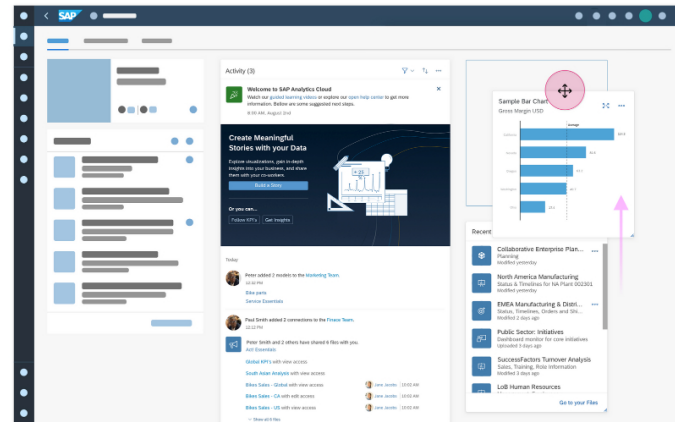
Cards can have a Delete Button when the user hovers over the header area. The Delete button will allow users to delete any cards that no longer needed in a customizable and more personalized space, such as the Homepage. System cards and published cards created by others will not have the Delete option.

Resizing



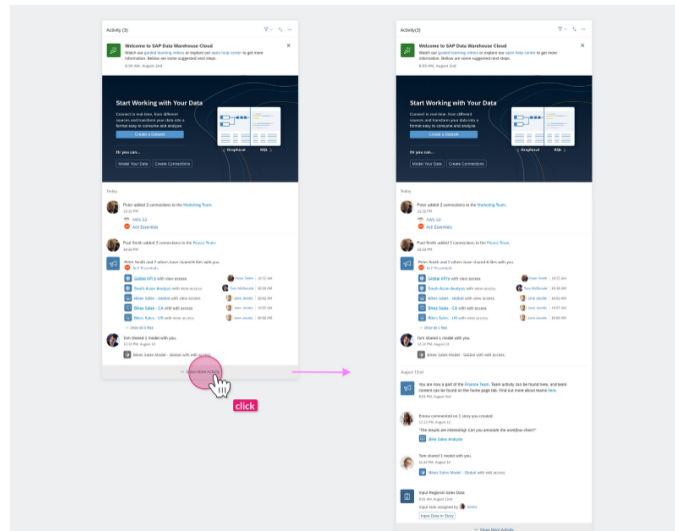
The cards are positioned on an underlying grid, making it possible to arrange and resize cards in a flexible, yet guided manner. Cards can be resized by interacting with the handle icon on the bottom-right side of the footer. For more information, please refer to Fiori's [Resizable Card Layout](#).

Dragging



Cards can be dragged around the screen by clicking and holding on the card's header. The mouse cursor will change to the multi-directional cursor to indicate the dragging interaction is enabled. This interaction allows users to move cards based on their preferences. While cards can be dragged freely on a dynamic canvas, there are some restrictions for some screens in certain products: for example, homepages with a fixed activity card in the centre, the available dragging areas would be on both sides of the activity cards and dragging other cards will not change its position.

Additional Interactions

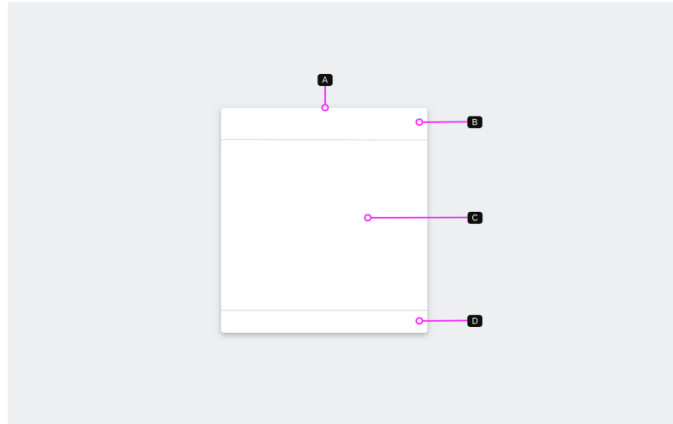


There are additional interactions that user can have with a card, such as expanding the card to reveal more information, filtering the card content, saving a card as favourite, and editing the entry-level content etc. The general advice is that only offer actions the users really need in a specific context.

Specifications

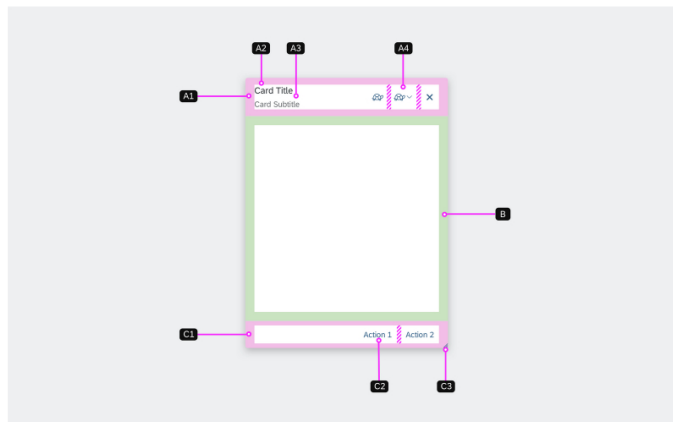
Cards can vary in layouts and sizes, and they should be designed to support the content contained. This section shows some common card layouts as examples to help showcase the variety and specifications.

Base structure



Badge	Component	Specifications	Details
A	Container	Background: @sapUITileBackground; Box-shadow: @sapUiContentShadow0; Border radius: @sapElement_BorderCornerRadius; 0.25rem; Border: 0.0625rem solid, @sapUITileBorderColor;	Background: #FFFFFF; Box-shadow: <i>First layer:</i> X:0, Y:0, blur:0, spread:1, #000000, alpha:10; <i>Second layer:</i> X:0, Y:2, blur:8, spread:0, #000000, alpha:10; Border radius: 4px; Border: 1px solid, #transparent;
B	Header Area	Background: @sapUITileBackground Border bottom (optional): 0.0625rem solid, @sapUiPageHeaderBorderColor;	Background: #FFFFFF; Border-bottom (optional): 1px solid, #D9D9D9;
C	Content Area	Background: @sapUITileBackground	Background: #FFFFFF;
D	Footer Area	Height: 3rem; Background: @sapUiPageFooterBackground; Border top (optional): 0.0625rem, @sapUiPageFooterBorderColor;	Height: 48px; Background: #FFFFFF ; Border top (optional): 1px, #D9D9D9;

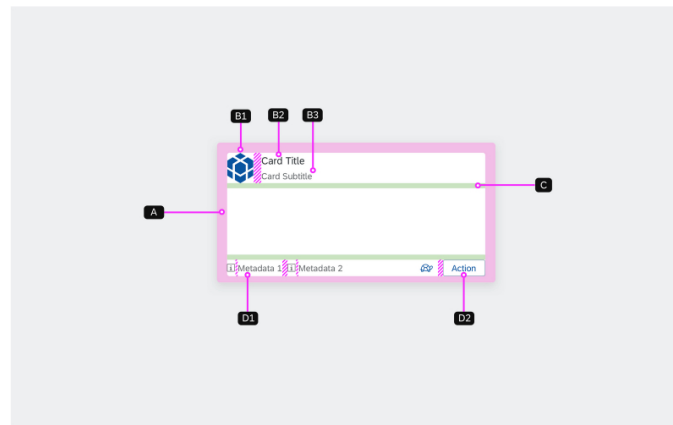
Title, Subtitle, Header Actions, and Footer Actions



Badge	Component	Specifications	Details
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A1	Header Padding	Top / bottom: 0.75rem; Left / Right: 1rem;	Top / bottom: 12px; Left / Right: 16px;
A2	Title	Font family: @sapFontFamily; Font size: @sapMFontHeader5Size; Font weight: @sapUIFontHeaderWeight; Font color: @sapTextColor; Alignment: left; Spacing between the Title and Subtitle: 0.25rem;	Font family: "72", Arial, Helvetica, sans-serif; Font size: 16px; Font weight: normal (regular); Font color: #32363A; Spacing: 4px;
A3	Subtitle	Font family: @sapFontFamily; Font size: @sapMFontMediumSize; Font weight: @sapUIFontHeaderWeight; Font color: @sapContent_LabelColor;	Font family: "72", Arial, Helvetica, sans-serif; Font size: 14px; Font weight: normal (regular); Font color: #6A6D70;
A4	Header Button	Button: sap.m.Button; Spacing: 0.5rem (between buttons);	Button: Tertiary button ; Spacing: 8px;
B	Content Padding	Spacing: 1rem ;	Spacing: 16px;
C1	Footer Button	Button: sap.m.Button; Spacing: 0.5rem (between buttons);	Button: Tertiary button Ghost ; Spacing: 8px;
C2	Resize Handle	Position: absolute; (bottom: 0; right: 0); Icon font: FPA Icons; Icon name: resize-corner; (); Icon size: 1rem; Color: @sapContent_IconColor;	Icon size: 16px; Color: #0854A0;

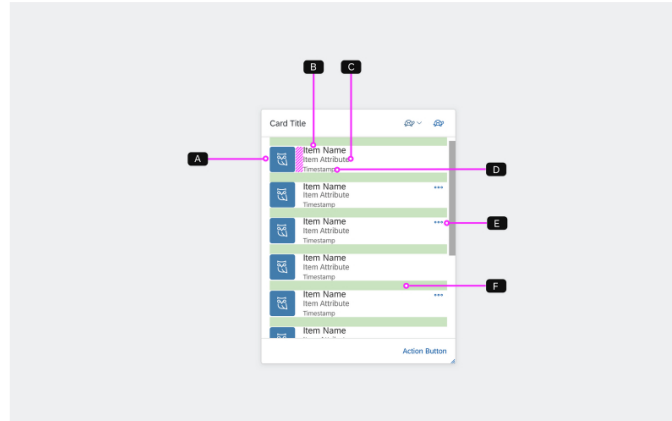
Avatar, Title, Subtitle, Footer Metadata, and Footer Actions



Badge	Component	Specifications	Details
A	Padding	Top / bottom: 1rem, 0.625rem; Left / Right: 1rem;	Top / bottom: 16px, 10px; Left / Right: 16px;
B1	Avatar/Icon	Icon font: FPA Icons; Icon size: 3rem; Color: @sapUIContentIconColor; Right Spacing: 0.75rem;	Icon size: 48px; Color: #0854A0; Right Spacing: 12px;
B2	Title	Font family: @sapFontFamily; Font size: @sapMFontHeader5Size; Font weight: @sapUIFontHeaderWeight; Font color: @sapTextColor; Alignment: left; Spacing between the Title and Subtitle: 0.25rem;	Font family: "72", Arial, Helvetica, sans-serif; Font size: 16px; Font weight: normal (regular); Font color: #32363A; Spacing: 4px;
B3	Subtitle	Font family: @sapFontFamily; Font size: @sapMFontMediumSize; Font weight: @sapUIFontHeaderWeight; Font color: @sapContent_LabelColor; Alignment: left;	Font family: "72", Arial, Helvetica, sans-serif; Font size: 14px; Font weight: normal (regular); Font color: #6A6D70;
C	Content Padding	Top / bottom: 0.5rem;	Top / bottom: 8px;

D1	Metadata/status	Icon font: FPA Icons; Icon size: 0.75rem; Font-size: @sapFontSmallSize; Color: @sapContent_LabelColor; Spacing: 0.25rem (between Icon and Text); Spacing between two metadata information: 0.5rem;	Icon size: 12px; Font size: 12px; Color: #6A6D70; Spacing: 4px (between Icon and Text); Spacing between two metadata information: 8px;
D2	Footer Button	Button: sap.m.Button; Spacing: 0.5rem (between buttons);	Button: Tertiary button , Ghost button ; Spacing: 8px;

List Content (Avatar, Item Name, Attribute, Timestamp, and Action Button)



For details of standard one-line and two-line list content, please refer to the [Fiori specifications](#).

Badge	Component	Specifications	Details
A	Avatar	Avatar Size: S (3rem); Avatar Color: All avatar colors should be possible; Right Spacing: 0.5rem;	Avatar Size: 48px; Avatar Color: All avatar colors should be possible; Right Spacing: 8px;
B	Item Name	Font family: @sapFontFamily; Font size: @sapMFontHeader5Size; Font weight: @sapUiFontHeaderWeight; Font color: @sapTextColor;	Font family: "72", Arial, Helvetica, sans-serif; Font size: 16px; Font weight: normal (regular); Font color: #32363A;
C	Item Attribute / Description	Font family: @sapFontFamily; Font-size: @sapMFontMediumSize; Font weight: @sapUiFontHeaderWeight; Font color: @sapContent_LabelColor;	Font family: "72", Arial, Helvetica, sans-serif; Font size: 14px; Font weight: normal (regular); Font color: #6A6D70;
D	Timestamp	Font family: @sapFontFamily; Font-size: @sapMFontSmallSize; Font weight: @sapUiFontHeaderWeight; Font color: @sapContent_LabelColor;	Font family: "72", Arial, Helvetica, sans-serif; Font size: 12px; Font weight: normal (regular); Font color: #6A6D70;
E	Button	Button: sap.m.Button;	Button: Tertiary button ;
F	Item Padding	Left / Right: 1rem;	Left / Right: 16px;

Support

If you have any questions or feedback on this, please [contact our team](#) or visit our [MS Teams Channel](#). For further information and questions in regards to the Design System, please visit our [Support Pages](#).

Components < > Components
Application Toolbar Contextual Toolbars

