📖 UIs_customization_guide.md

UI Customization guide

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General information about UIs customization

General information

All three user interfaces provided inside of XS2A Sandbox support customization. Depending on your needs, you can choose, which fields and UIs to customize.

For **Developer Portal** you can customize logo, CSS styles, content of all the pages, `xml` and `json` examples in Ćļ ă ỹ ęÂDZl Ấ section, currency of the examples, available SCA approaches and supported languages.

For Online Banking UI and TPP UI you can customize logo and CSS styles.

Step-by-step guide

Here is a general instruction on how to customize any user interface in XS2A Sandbox. Detailed examples of customization and features of each user interface you can find in related sections of Table of Content.

1. Create `json` file with name UITheme (e.g. UITheme.json).
2. `Json` example (this is a general example which can be used in any of user interfaces. For more features see `json` example for every user interface you want to customize):

```
{
     "globalSettings": {
          "logo": "obp-ch.png",
          "favicon": {
              "type": "image/x-icon",
                "href": "favicon.ico"
          },
     "cssVariables": {
         "fontFamily": "Arial, sans-serif",
          "buttonBgGradient1": "#2D3364",
          "buttonBgGradient2": "#F85F3D",
          "buttonHoveredGradient1": "#2D3364",
          "buttonHoveredGradient2": "#000000",
          "buttonClickedGradient1": "#2D3364",
          "buttonClickedGradient2": "#000000"
          }
     }
}
```

3. Fill all the needed fields (fields listed down are common fields and can be used for any of user interfaces. For more features have a look at json fields for every user interface you want to customize. You can find these features in a related section of Table of Content):

Name	Usage	Parent property	Child properties	Accepted values	Required
globalSettings	Used for setting global settings, such as logo and favicon	-	logo, favicon	logo, favicon properties	Yes
logo	Used to set a path to an upper logo picture	globalSettings	-	string, http url or file name with extension or ''	Yes
favicon	Used to set a path to favicon picture	globalSettings	type, href	type, href properties	No
type	Type of favicon	favicon	-	string	Yes
href	A path to a favicon picture of favicon	favicon	-	string, http url	Yes
cssVariables	A set of CSS variables used for styling customization	-	See Common CSS properties for details	child properties	No

4. When you create `UITheme.json` file and fill all required fields, put this file with `logo` (e.g. `logo.png`) and `favicon` images in folder `./src/assets/UI/custom/` of your user interface.

5. Steps for putting files in this folder:
   - Local environment customization
     - Before running all services of the XS2A Sandbox local, put your files in folder ./developer-portal-ui/src/assets/UI/custom/
   - Openshift environment customization
     - Install the Openshift Command Line Tools: https://docs.okd.io/latest/cli_reference/get_started_cli.html
     - Navigate to local source folder (where the customisation files are stored): cd ./local_src_folder/- Login to Openshift: oc login- Navigate to the Openshift project.
     - We select the development environment for our example.
     - Please choose one of the following: oc project adorsys-dynamic-sandbox-dev- Copy the customisation files to the running Developer Portal UI application pod:
       - oc cp ./logo.png $(oc get pods |grep "developerportalui" |awk '{print $1}'):/usr/share/nginx/html/assets/UI/custom/
       - oc cp ./contact.png $(oc get pods |grep "developerportalui" |awk '{print $1}'):/usr/share/nginx/html/assets/UI/custom/
       - oc cp ./ $(oc get pods |grep "developerportalui" |awk '{print $1}'):/usr/share/nginx/html/assets/UI/custom/

6. Customization completed, congratulations!

Common CSS properties

All the default variables are defined at

Fonts

Name	Usage	Bound to CSS property	Accepted values	Examples
fontFamily	You can set preferred font family in a property `fontFamily`	font-family	Standard font values	Examples of font customization

Text sizes and weights for different screen sizes

Name	Usage	Bound to CSS property	Accepted values	Examples
textFontSize	Customize text size for screen size wider than 1024px for all usual text in `div` and `p` html-tag	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of text size customization

Name	Usage	Bound to CSS property	Accepted values	Examples
textFontWeight	Customize text weight for screen size wider than 1024px for all usual text in `div` and `p` html-tag	font-weight	Standard values for `font-weight` CSS property	Examples of text weight customization
textFontSize1024px	Customize text size for screen size between 1024px and 768px for all usual text in `div` and `p` html-tag	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of text size customization
textFontWeight1024px	Customize text weight for screen size between 1024px and 768px for all usual text in `div` and `p` html-tag	font-weight	Standard values for `font-weight` CSS property	Examples of text weight customization
textFontSize768px	Customize text size for screen size smaller than 768px for all usual text in `div` and `p` html-tag	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of text size customization
textFontWeight768px	Customize text weight for screen size smaller than 768px for all usual text in `div` and `p` html-tag	font-weight	Standard values for `font-weight` CSS property	Examples of text weight customization

Headers sizes and weights

Name	Usage	Bound to CSS property	Accepted values	Examples
h1FontSize	Customize h1 size for all h1 html tags	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of h1 size customization
h1FontWeight	Customize h1 weight for all h1 html tags	font-weight	Standard values for `font-weight` CSS property	Examples of h1 weight customization
h1FontSize1024px	Customize h1 size for all h1 html tags for screens wider than **768px** but smaller than **1024px**	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of h1 size customization
h1FontWeight1024px	Customize h1 weight for all h1 html tags for screens wider than **768px** but smaller than **1024px**	font-weight	Standard values for `font-weight` CSS property	Examples of h1 weight customization
h1FontSize768px	Customize h1 size for all h1 html tags for screens smaller than **768px**	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of h1 size customization
h1FontWeight768px	Customize h1 weight for all h1 html tags for screens smaller than **768px**	font-weight	Standard values for `font-weight` CSS property	Examples of h1 weight customization
h2FontSize	Customize h2 size for all h2 html tags	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of h2 size customization
h2FontWeight	Customize h2 weight for all h2 html tags	font-weight	Standard values for `font-weight` CSS property	Examples of h2 weight customization
h2FontSize1024px	Customize h2 size for all h2 html tags for screens wider than **768px** but smaller than **1024px**	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	Examples of h2 size customization

Name	Usage	Bound to CSS property	Accepted values	Examples
h2FontWeight1024px	Customize h2 weight for all h2 html tags for screens wider than **768px** but smaller than **1024px**	font-weight	Standard values for `font-weight` CSS property	[Examples of h2 weight customization](#)
h2FontSize768px	Customize h2 size for all h2 html tags for screens smaller than **768px**	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	[Examples of h2 size customization](#)
h2FontWeight768px	Customize h2 weight for all h2 html tags for screens smaller than **768px**	font-weight	Standard values for `font-weight` CSS property	[Examples of h2 weight customization](#)
h3FontSize	Customize h3 size for all h3 html tags	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	[Examples of h3 size customization](#)
h3FontWeight	Customize h3 weight for all h3 html tags	font-weight	Standard values for `font-weight` CSS property	[Examples of h3 weight customization](#)
h3FontSize1024px	Customize h3 size for all h3 html tags for screens wider than **768px** but smaller than **1024px**	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	[Examples of h3 size customization](#)
h3FontWeight1024px	Customize h3 weight for all h3 html tags for screens wider than **768px** but smaller than **1024px**	font-weight	Standard values for `font-weight` CSS property	[Examples of h3 weight customization](#)
h3FontSize768px	Customize h3 size for all h3 html tags for screens smaller than **768px**	font-size	Standard values for `font-size` CSS property (px, vw, %, em, rem etc)	[Examples of h3 size customization](#)
h3FontWeight768px	Customize h3 weight for all h3 html tags for screens smaller than **768px**	font-weight	Standard values for `font-weight` CSS property	[Examples of h3 weight customization](#)

Colors

Colors are used in dividers and heading colors. To customize primary and secondary color of the application, use the following properties:

Name	Usage	Bound to CSS property	Accepted values	Examples
colorPrimary	Used as a for a primary application color	background-color	This property may contain any legal CSS color values supported by modern browsers	[Examples of color customization](#)
colorSecondary	Used as a for a secondary application color	background-color	This property may contain any legal CSS color values supported by modern browsers	[Examples of color customization](#)

HTML Body settings

You can customize html body background color and font color with the following properties:

Name	Usage	Bound to CSS property	Accepted values	Examples

Name	Usage	Bound to CSS property	Accepted values	Examples
bodyBG	Customization of html body background color	background-color	This property may contain any legal CSS color values supported by modern browsers	Examples of html body customization
bodyFontColor	Customization of html body font color	font-color	This property may contain any legal CSS color values supported by modern browsers	Examples of html body customization

Navigation bar colors

Name	Usage	Bound to CSS property	Accepted values	Examples
headerBG	The background color of the navigation header can be changed using this property	background-color	May contain any legal CSS color values supported by modern browsers	Examples of navigation bar customization
headerFontColor	The font color of the navigation header can be changed using this property	background-color	May contain any legal CSS color values supported by modern browsers	Examples of navigation bar customization

Footer colors

Name	Usage	Bound to CSS property	Accepted values	Examples
footerBG	The background color of the footer can be changed using this property	background-color	May contain any legal CSS color values supported by modern browsers	Examples of footer customization
footerFontColor	The font color of the footer can be changed using this property	background-color	May contain any legal CSS color values supported by modern browsers	Examples of footer customization

Anchor colors

Name	Usage	Bound to CSS property	Accepted values	Examples
anchorFontColor	Used to customize font color of all the links within `<a>` html tag	font-color	May contain any legal CSS color values supported by modern browsers	Examples of anchor customization
anchorFontColorHover	T Used to customize font color of all the links within `<a>` html tag while mouse is hovered over an anchor	font-color	May contain any legal CSS color values supported by modern browsers	Examples of anchor customization

Buttons

Name	Usage	Bound to CSS property	Accepted values	Examples

Name	Usage	Bound to CSS property	Accepted values	Examples
buttonTextColor	Used to customize text color of the button	font-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonBG	Used to customize background color of the button	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonBgGradient1	Used to specify first gradient background color of the button, if the gradient is used. Should be used with `buttonBgGradient2` property. In this case property `buttonBG` should not be used	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonBgGradient2	Used to specify first gradient background color of the button, if the gradient is used. Should be used with `buttonBgGradient1` property. In this case property `buttonBG` should not be used	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonHovered	Used to customize background color of the button when button is hovered	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonHoveredGradient1	Used to specify first gradient background color of the button when button is hovered, if the gradient is used. Should be used with `buttonHoveredGradient2` property. In this case property `buttonHovered` should not be used	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonHoveredGradient2	Used to specify first gradient background color of the button when button is hovered, if the gradient is used. Should be used with `buttonHoveredGradient1` property. In this case property `buttonHovered` should not be used	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)

Name	Usage	Bound to CSS property	Accepted values	Examples
buttonClicked	Used to customize background color of the button when button is clicked	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonClickedGradient1	Used to specify first gradient background color of the button when button is clicked, if the gradient is used. Should be used with `buttonClickedGradient2` property. In this case property `buttonHovered` should not be used	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)
buttonClickedGradient2	Used to specify first gradient background color of the button when button is clicked, if the gradient is used. Should be used with `buttonClickedGradient1` property. In this case property `buttonHovered` should not be used	background, background-color	May contain any legal CSS color values supported by modern browsers	[Examples of button customization](#)

Inputs

Name	Usage	Bound to CSS property	Accepted values	Examples
inputBG	Used to customize background color of `<input>` html element	background-color	May contain any legal CSS color values supported by modern browsers	[Examples of input customization](#)
inputBorderStyleLeft	Used to customize border style of the left border of `<input>` html element	border-left	May contain any legal CSS value for border-style CSS property	[Examples of input customization](#)
inputBorderStyleRight	Used to customize border style of the right border of `<input>` html element	border-right	May contain any legal CSS value for border-style CSS property	[Examples of input customization](#)
inputBorderStyleBottom	Used to customize border style of the bottom border of `<input>` html element	border-bottom	May contain any legal CSS value for border-style CSS property	[Examples of input customization](#)
inputBorderStyleTop	Used to customize border style of the top border of `<input>` html element	border-top	May contain any legal CSS value for border-style CSS property	[Examples of input customization](#)
inputBorderRadius	Used to customize border radius of `<input>` html element	border-radius	May contain any legal CSS value for `border-radius` CSS property	[Examples of input customization](#)

Selects

Name	Usage	Bound to CSS property	Accepted values	Examples
selectBG	Used to customize background color of `<select>` html element	background-color	May contain any legal CSS color values supported by modern browsers	Examples of select customization
selectColor	Used to customize text color of `<select>` html element	color	May contain any legal CSS color values supported by modern browsers	Examples of select customization
selectBorderStyleLeft	Used to customize border style of the left border of `<select>` html element	border-left	May contain any legal CSS value for border-style CSS property	Examples of select customization
selectBorderStyleRight	Used to customize border style of the right border of `<select>` html element	border-right	May contain any legal CSS value for border-style CSS property	Examples of select customization
selectBorderStyleBottom	Used to customize border style of the bottom border of `<select>` html element	border-bottom	May contain any legal CSS value for border-style CSS property	Examples of select customization
selectBorderStyleTop	Used to customize border style of the top border of `<select>` html element	border-top	May contain any legal CSS value for border-style CSS property	Examples of select customization
selectBorderRadius	Used to customize border radius of `<select>` html element	border-radius	May contain any legal CSS value for `border-radius` CSS property	Examples of select customization

Examples

Examples of font customization

1. Arial font:

```
"fontFamily": "Arial, sans-serif"
```

ASPSP-Profile

Besides the actual interface, PSD2 instructs ASPSPs to offer a technical documentation free of charge containing amongst others, information about supported payment products and payment services. This information is stored in ASPSP-profile (bank profile), a service based on yaml file where a bank can provide available payment products, payment services, supported SCA approaches and other bank-specific settings.

Examples of text size customization

```
"textFontSize": "24px"
"textFontSize1024px": "20px"
"textFontSize768px": "18px",
```

Back to reading about `textFontSize` property.

Examples of text weight customization

```
"textFontWeight": "bold"
"textFontWeight1024px": "bold"
"textFontWeight768px": "bold"
```

Examples of h1 size customization

```
"h1FontSize": "2rem"
"h1FontSize768px": "1rem"
"h1FontSize1024px": "3rem"
```

Examples of h1 weight customization

```
"h1FontWeight": "bold"
"h1FontWeight768px": "bold"
"h1FontWeight1024px": "bold"
```

Examples of h2 size customization

```
"h2FontSize": "18px",
"h2FontSize1024px": "16px",
"h2FontSize768px": "16px",
```

Examples of h2 weight customization

```
"h2FontWeight": "bold",
"h2FontWeight1024px": "bold",
"h2FontWeight768px": "bold",
```

Examples of h3 size customization

```
"h3FontSize": "16px",
"h3FontSize768px": "14px",
"h3FontSize1024px": "14px",
```

Examples of h3 weight customization

```
"h3FontWeight": "bold",
"h3FontWeight768px": "bold",
"h3FontWeight1024px": "bold",
```

Examples of color customization

1. Primary color - blue, secondary - yellow.

```
"colorPrimary": "#054f72",
"colorSecondary": "#eed52f"
```

Introduction

[Back to reading about colors](#).

   2. Primary color - black, secondary - red.

```
"colorPrimary": "#000000",
"colorSecondary": "red"
```

Introduction

[Back to reading about colors](#).

Examples of html body customization

```
"bodyBG": "#fafafa",
"bodyFontColor": "#868e96"
```

[Back to reading about html body settings](#).

Examples of navigation bar customization

   1. White header with black font.

```
"headerBG": "#ffffff"
"headerFontColor": "#000000"
```

2. Violet header with white font.

```
"headerBG": "#2D3364",
"headerFontColor": "#ffffff"
```


Home   Getting started   Test cases   FAQs   Contact
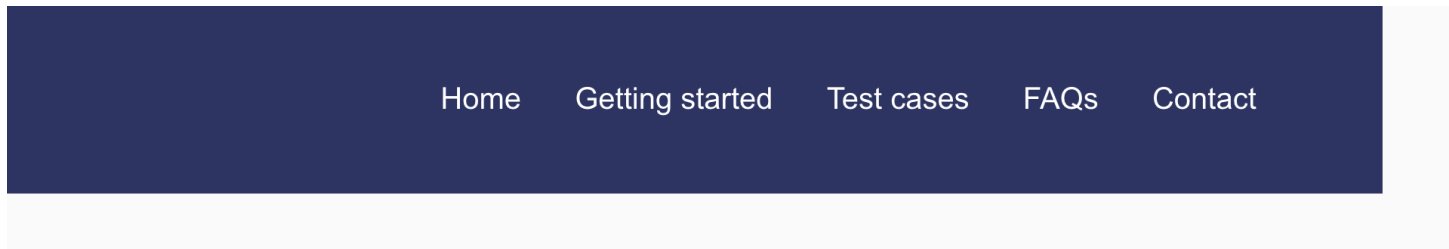
Back to reading about navigation bar colors.

Examples of footer customization

1. Blue footer with white font:

```
"footerBG": "#054f72"
"footerFontColor": "#ffffff"
```


Home   Getting started   Test cases   FAQs   Contact
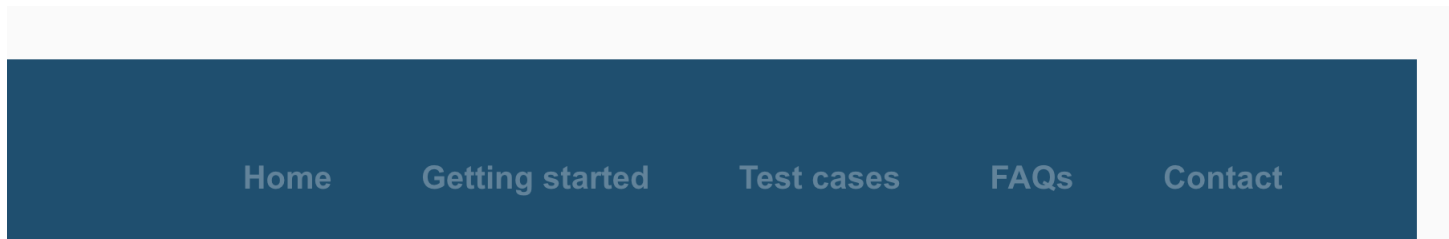
2. Black footer with white font:

```
"footerBG": "#000000"
"footerFontColor": "#ffffff"
```


Home   Getting started   Test cases   FAQs   Contact
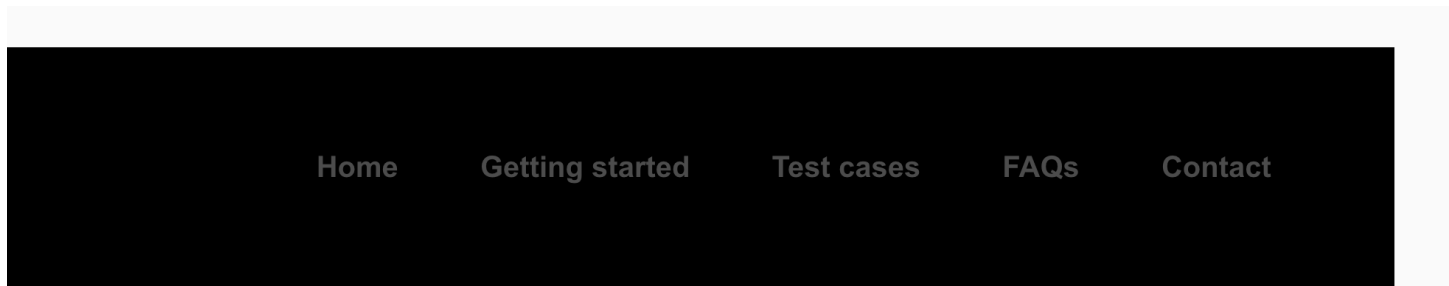
Back to reading about footer colors.

Examples of anchor customization

```
"anchorFontColor": "#0984bf"
"anchorFontColorHover": "#054f72"
```

Back to reading about anchor colors.

Examples of button customization

1. Plain buttons without gradient:

```
"buttonBG": "#CC0033",
"buttonTextColor": "#FFFFFF",
```

```
"buttonHovered": "#891023",
"buttonClicked": "#AA112D",
```


---

1. Buttons with gradient:

```
"buttonBgGradient1": "#2D3364",
"buttonBgGradient2": "#F85F3D",
"buttonHoveredGradient1": "#2D3364",
"buttonHoveredGradient2": "#000000",
"buttonClickedGradient1": "#2D3364",
"buttonClickedGradient2": "#000000",
```


Back to reading about buttons.

Examples of input customization

1. Default Sandbox input:

```
"inputBG": "white",
"inputBorderStyleLeft": "1px solid #dcdcdc",
"inputBorderStyleRight": "1px solid #dcdcdc",
"inputBorderStyleBottom": "1px solid #dcdcdc",
"inputBorderStyleTop": "1px solid #dcdcdc",
"inputBorderRadius": "0.1rem",
```


2. Customized input:

```
"inputBG": "#E0E5E8",
"inputBorderStyleLeft": "1px solid #000000",
"inputBorderStyleBottom": "1px solid #000000",
```

[Back to reading about inputs](#).

Examples of select customization

1. Default select:

```
"selectBG": "white",
"selectColor": "#3b4151",
"selectBorderStyleLeft": "none",
"selectBorderStyleRight": "none",
"selectBorderStyleBottom": "none",
"selectBorderStyleTop": "none",
"selectBorderRadius": "none",
```

```
sepa-credit-transfers                          ⌄
```

2. Customized select:

```
"selectBG": "#E0E5E8",
"selectColor": "#000000",
```

```
sepa-credit-transfers                    ⌄
```

[Back to reading about selects](#).

How to customize Developer Portal

Details about Developer Portal customization

Here is a detailed example json for Developer portal:

```
{
  "globalSettings": {
    "supportedLanguagesDictionary": {
      "en": "united-kingdom.png",
      "de": "germany.png",
      "es": "spain.png",
      "ua": "ukraine.png"
    },
    "socialMedia": {
      "facebook": "https://www.facebook.com/adorsysGmbH",
      "twitter": "https://twitter.com/adorsys",
      "xing": "https://www.xing.com/companies/adorsysgmbh%26cokg",
      "linkedin": "https://www.linkedin.com/company/adorsys"
    },
    "googleAnalyticsTrackingId": "UA-160845388-1"
  },
  "pagesSettings": {
    "contactPageSettings": {
      "contactInfo": {
        "img": "Rene.png",
```

```
      "name": "René Pongratz",
      "position": "Software Architect & Expert for API Management",
      "email": "psd2@adorsys.de"
    },
    "officesInfo": [
      {
        "city": "Nürnberg",
        "company": "adorsys GmbH & Co. KG",
        "addressFirstLine": "Fürther Str. 246a, Gebäude 32 im 4.OG",
        "addressSecondLine": "90429 Nürnberg",
        "phone": "+49(0)911 360698-0",
        "email": "psd2@adorsys.de"
      },
      {
        "city": "Frankfurt",
        "company": "adorsys GmbH & Co. KG",
        "addressFirstLine": "Frankfurter Straße 63 – 69",
        "addressSecondLine": "65760 Eschborn",
        "email": "frankfurt@adorsys.de"
      }
    ]
  },
  "homePageSettings": {
    "contactInfo": {
      "img": "Rene.png",
      "name": "René Pongratz",
      "position": "Software Architect & Expert for API Management",
      "email": "psd2@adorsys.de"
    },
    "showProductHistory": true,
    "showSlider": true
  },
  "navigationBarSettings": {
    "allowedNavigationSize": 5,
    "logo": "Logo_XS2ASandbox.png"
  },
  "footerSettings": {
    "allowedNavigationSize": 5,
    "logo": "Logo_XS2ASandbox.png"
  },
  "playWithDataSettings": {
    "supportedApproaches": ["redirect", "embedded"],
    "examplesCurrency": "EUR",
    "tppSettings": {
      "tppDefaultNokRedirectUrl": "https://www.google.com",
      "tppDefaultRedirectUrl": "https://adorsys-platform.de/solutions/xs2a-sandbox/"
    }
  }
 }
}
```

Additional properties for Developer Portal:

Name	Usage	Parent property	Child properties	Accepted
globalSettings	Global settings of Developer Portal	-	supportedLanguagesDictionary, socialMedia, googleAnalyticsTrackingId, favicon	child properties
pagesSettings	Content settings of Developer Portal	-	contactPageSettings, homePageSettings, navigationBarSettings	child properties
contactPageSettings	Content settings of Contact Page	pagesSettings	contactInfo, officesInfo	child properties
homePageSettings	Content settings of Home Page	pagesSettings	showProductHistory, contactInfo, showSlider	child properties

Name	Usage	Parent property	Child properties	Accepte
showProductHistory	Defines if product history should be shown on Home Page or not	homePageSettings	-	boolean
showSlider	Defines if slider with Sandbox features should be shown on Home Page or not	homePageSettings	-	boolean
navigationBarSettings	Navigation bar settings	pagesSettings	allowedNavigationSize, logo, logoLink	child properties
footerSettings	Footer settings	pagesSettings	allowedNavigationSize, logo, logoLink	child properties
allowedNavigationSize	Defines the amount of the Menu items displays in Navigation Bar. If the amount of menu items is more than allowedNavigationSize, menu would be collapsed in mobile view menu	navigationBarSettings	-	number
logo	Used to set a path to a logo picture	footerSettings or navigationBarSettings	-	string, http url with extension
logoLink	Used to set a link for the click on logo picture	footerSettings or navigationBarSettings	-	http url
contactInfo	Used for customizing contact information on `Contact` page and `Ask questions` card (lower section of the `Home` page)	contactPageSettings or homePageSettings	name, position, img, phone	child properties
name	Used for customizing name of the person in contact information on `Contact` page and `Ask questions` card (lower section of the `Home` page)	contactInfo	-	string
position	Used for customizing position of the person in contact information on `Contact` page and `Ask questions` card (lower section of the `Home` page)	contactInfo	-	string

Name	Usage	Parent property	Child properties	Accepte
position	Used for customizing position of the person in contact information on `Contact` page and `Ask questions` card (lower section of the `Home` page)	contactInfo	-	string
img	Used for customizing image of the person in contact information on `Contact` page and `Ask questions` card (lower section of the `Home` page)	contactInfo	-	string, http url with extension
email	Used for customizing email of the person in contact information on `Contact` page and `Ask questions` card (lower section of the `Home` page)	contactInfo	-	string
phone	Used for customizing phone of the person in contact information on `Contact` page and `Ask questions` card (lower section of the `Home` page)	contactInfo	-	string
officesInfo	Used for customizing offices information on `Contact` page	contactPageSettings	city, company, addressFirstLine, addressSecondLine, phone, email	Array of two ele child properties
city	Used for customizing city of the office in contact information on `Contact` page	officesInfo	-	string
company	Used for customizing company namy in contact information on `Contact` page	officesInfo	-	string
addressFirstLine	Used for customizing company address (first line in the card) in contact information on `Contact` page	officesInfo	-	string
addressSecondLine	Used for customizing company address (second line in the card) in contact information on `Contact` page	officesInfo	-	string

Name	Usage	Parent property	Child properties	Accepte
email	Used for customizing email of the office in contact information on `Contact` page	officesInfo	-	string
phone	Used for customizing phone of the office in contact information on `Contact` page	officesInfo	-	string
playWithDataSettings	Content settings of Test cases section and Play with data tab	pagesSettings	supportedApproaches, examplesCurrency, tppSettings	child properties
supportedLanguages	Used to customize supported languages of Developer Portal	-	-	Array of suppor Default configur "de", "es", "ua"]
supportedApproaches	Used to customize shown information about SCA approaches	playWithDataSettings	-	Array of suppor approaches. De configuration is "embedded"]
examplesCurrency	Main currency of developer portal examples. When you input a currency, all the jsons currencies are changed to the desired currency.	playWithDataSettings	-	All currency val standard. Defau configuration is
tppSettings	Settings related to a particular TPP using the Sandbox	playWithDataSettings	tppDefaultNokRedirectUrl, tppDefaultRedirectUrl	child properties
tppDefaultNokRedirectUrl	TPP not OK link, used in all XS2A requests in `Play with data` section and related to XS2A standard header for Redirect SCA approach `TPP-Nok-Redirect-URI`	tppSettings	-	Https url. Defau `https://www.g`
tppDefaultRedirectUrl	TPP not OK link, used in all XS2A requests in `Play with data` section and related to XS2A standard header for Redirect SCA approach `TPP-Redirect-URI`	tppSettings	-	Https url. Defau `https://adors platform.de/so sandbox/`

Additional CSS properties for Developer Portal

Main

Name	Usage	Bound to CSS property	Accepted values	Examples

Name	Usage	Bound to CSS property	Accepted values	Examples
mainBG	Background of the main html element (not body)	background-color	May contain any legal CSS color values supported by modern browsers	Examples of MainBG customization

Hero

Name	Usage	Bound to CSS property	Accepted values	Examples
heroBG	Background of the hero html element on home page	background-color	May contain any legal CSS color values supported by modern browsers	Examples of HeroBG customization

Steps

Name	Usage	Bound to CSS property	Accepted values	Examples
stepBG	Background of the steps (How to use Sandbox) html element on home page	background-color	May contain any legal CSS color values supported by modern browsers	Examples of StepBG customization

Contacts Card

Name	Usage	Bound to CSS property	Accepted values	Examples
contactsCardBG	Background of contact card html element on contact page	background-color	May contain any legal CSS color values supported by modern browsers	Examples of ContactsCardBG customization

Test Cases

Name	Usage	Bound to CSS property	Accepted values	Examples
testCasesLeftSectionBG	Background of the left section of Test cases page	background-color	May contain any legal CSS color values supported by modern browsers	Examples of Test cases customization
testCasesRightSectionBG	Background of the right section of Test cases page	background-color	May contain any legal CSS color values supported by modern browsers	[Examples of Test cases customization](#examples-of-test-cases customization)

Table

Name	Usage	Bound to CSS property	Accepted values	Examples
tableColor	Color of the table content font	font-color	May contain any legal CSS color values supported by modern browsers	Examples of Table customization

Name	Usage	Bound to CSS property	Accepted values	Examples
tableBG	Background of table	background-color	May contain any legal CSS color values supported by modern browsers	Examples of Table customization
tableStripedBG	Background of the every second row in the table. Could be used for having a striped background	background-color	May contain any legal CSS color values supported by modern browsers	Examples of Table customization
tableHeaderBG	Background of the table header	background-color	May contain any legal CSS color values supported by modern browsers	Examples of Table customization
tableBorderStyleBottom	Style of the bottom table border	border-style	May contain any legal CSS value for border-style property	Examples of Table customization
tableBorderStyleLeft	Style of the left table border	border-style	May contain any legal CSS value for border-style property	Examples of Table customization
tableBorderStyleRight	Style of the right table border	border-style	May contain any legal CSS value for border-style property	Examples of Table customization
tableBorderStyleTop	Style of the top table border	border-style	May contain any legal CSS value for border-style property	Examples of Table customization

Checkboxes

Name	Usage	Bound to CSS property	Accepted values	Examples
checkBoxMarkColor	Color of the checkbox mark	font-color	May contain any legal CSS color values supported by modern browsers	Examples of Checkbox customization
checkBoxBGChecked	Background of a checked checkbox	background-color	May contain any legal CSS color values supported by modern browsers	Examples of Checkbox customization
checkBoxBG	Background of an unchecked checkbox	background-color	May contain any legal CSS color values supported by modern browsers	Examples of Checkbox customization
checkBoxBGHovered	Background of a hovered checkbox	background-color	May contain any legal CSS color values supported by modern browsers	Examples of Checkbox customization
checkBoxMarkWidth	Chekbox mark width	width	May contain any legal CSS value for width property	Examples of Checkbox customization
checkBoxMarkHeight	Checkbox mark height	height	May contain any legal CSS value for height property	Examples of Checkbox customization

Name	Usage	Bound to CSS property	Accepted values	Examples
checkBoxMarkTop	Position of a checkbox mark to the top	top	May contain any legal CSS value for top property	Examples of Checkbox customization
checkBoxMarkLeft	Position of a checkbox mark to the left	left	May contain any legal CSS value for top property	Examples of Checkbox customization

Developer Portal examples

Examples of MainBG customization

```
"mainBG": "transparent"
```

Back to reading about main backgroung settings.

Examples of HeroBG customization

```
"heroBG": "#eeeeee"
```

Back to reading about hero backgroung settings.

Examples of StepBG customization

```
"stepBG": "#cccccc"
```

Back to reading about steps backgroung settings.

Examples of ContactsCardBG customization

```
"contactsCardBG": "#eeeeee"
```

Back to reading about contacts card backgroung settings.

Examples of Test cases customization

```
"testCasesLeftSectionBG": "#ffffff"
"testCasesRightSectionBG": "#eeeeee"
```

Back to reading about test cases settings.

Examples of Table customization

1. Default table style:

```
"tableColor": "black",
"tableBG": "#fafafa",
"tableStripedBG": "#f3f3f3",
"tableHeaderBG": "#f3f3f3",
"tableBorderStyleBottom": "none",
"tableBorderStyleLeft": "none",
"tableBorderStyleRight": "none",
"tableBorderStyleTop": "none"
```

Header	Value
☑ PSU-ID	YOUR_USER_LOGIN
☑ PSU-IP-Address	95.115.104.187
☑ TPP-Explicit-Authorisation-Preferred	false ⌄
☑ TPP-Nok-Redirect-URI	https://www.google.com
☑ TPP-Redirect-Preferred	true ⌄
☑ TPP-Redirect-URI	https://adorsys-platform.de/solutions/xs2a-sandbox/
☑ X-Request-ID	06819e3f-03ba-449f-ac01-8939a95aa3bc

2. Customized table:

```
"tableStripedBG": "#FFFFFF",
"tableHeaderBG": "#E0E5E8",
"tableBorderStyleBottom": "1px solid #C4CCD3",
"tableBG": "#FFFFFF",
```

Header	Value
☑ PSU-ID	YOUR_USER_LOGIN
☑ PSU-IP-Address	1.1.1.1
☑ TPP-Explicit-Authorisation-Preferred	false ⌄
☑ TPP-Nok-Redirect-URI	https://www.openbankingproject.ch/en/developer-portal/
☑ TPP-Redirect-Preferred	true ⌄
☑ TPP-Redirect-URI	https://www.dev.openbankingproject.ch/test-cases/redirect/
☑ X-Request-ID	9e70a070-e172-4531-8d30-ca43016846ff

Examples of Checkbox customization

1. Default checkbox style:

```
"checkBoxBGChecked": "white",
"checkBoxBG": "#eee",
"checkBoxBGHovered": "#ccc",
"checkBoxMarkColor": "white",
"checkBoxMarkLeft": "30%",
"checkBoxMarkTop": "30%",
"checkBoxMarkWidth": "7px",
"checkBoxMarkHeight": "8px"
```

2. Customizes checkbox:

```
"checkBoxMarkColor": "#000000",
"checkBoxBGChecked": "#E0E5E8",
"checkBoxBG": "#E0E5E8",
"checkBoxMarkLeft": "40%",
"checkBoxMarkTop": "30%;",
"checkBoxMarkWidth": "5px",
"checkBoxMarkHeight": "8px",
```

Customization of pages and Developer Portal content with markdown

Content of all the pages of Developer Portal could be customized and changed. The content of each page (texts) are located in `.md` files in the following structure:
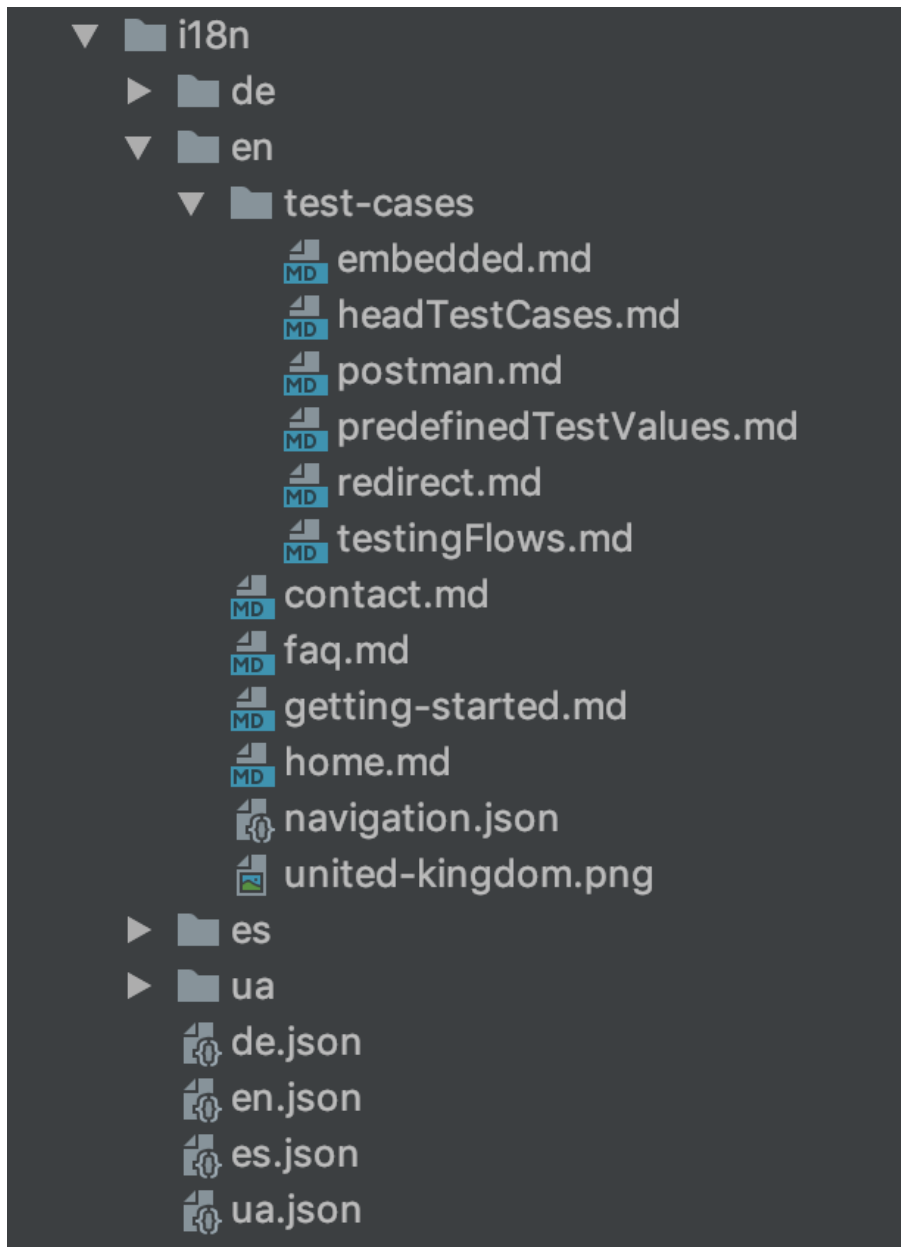
This is a default content, including 4 languages and pages for them. Each `.md` file name corresponds to a page or a component. To change a content of a page, you simply must change `.md` file with the name of the page (for example, "home.md").

Adding more languages to Developer Portal

If you want to have more languages on Developer Portal, for each language you need a separate folder and every language must be added to a UITheme.json in sections "supportedLanguagesDictionary".

For each language a language folder with the same name should be provided, and a picture for the language icon. A separate json with static translations should also be put in 'i18n' folder.

Example (English is taken as an example language):

1. Create a folder named 'en' in 'i18n' folder.
2. Add icon picture to the root of the 'en' folder.
3. Add 'en.json' in root of the 'i18n' folder. The structure of 'en.json' could be found in default set of 'i18n' folder in assets.
4. Add 'en' with icon picture path to UITheme:

```
"supportedLanguagesDictionary": {
    "en": "united-kingdom.png"
},
```
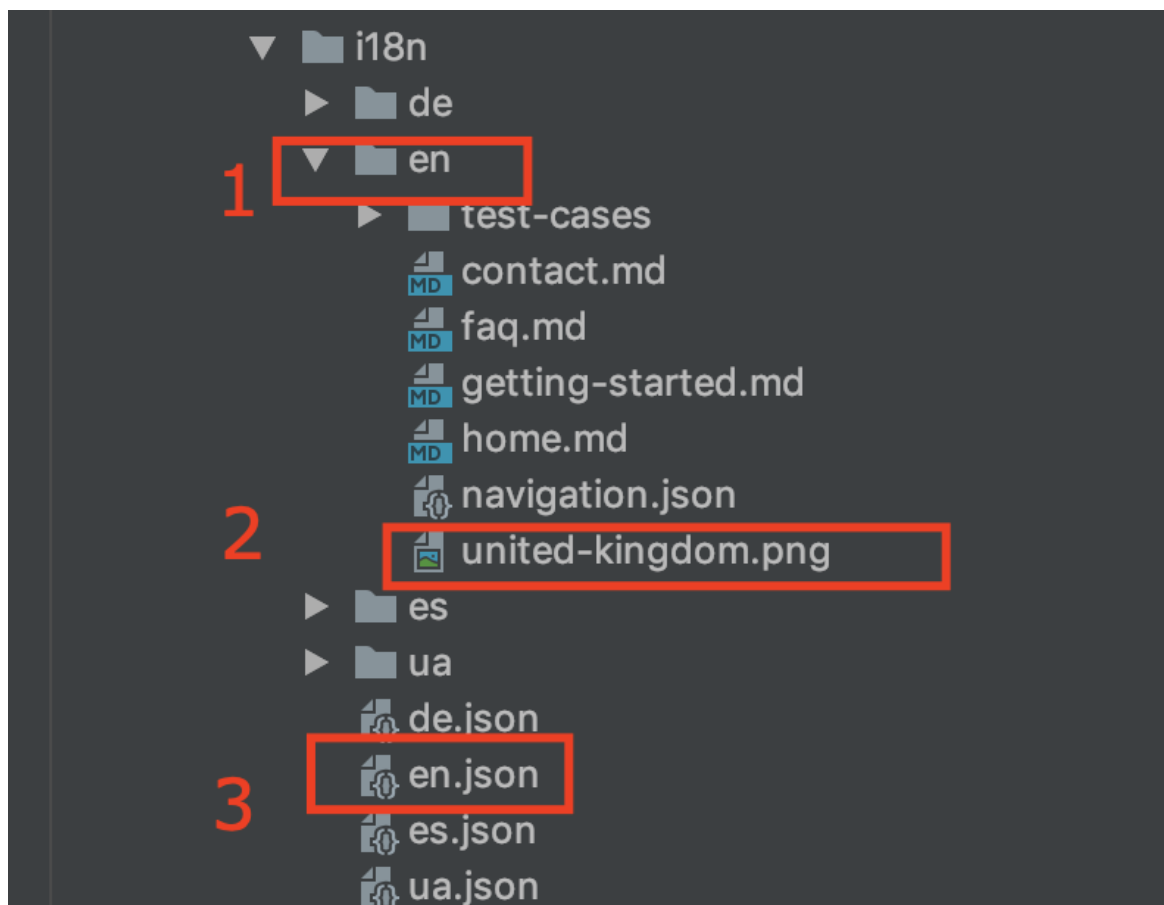
Creating custom pages and customizing menu items

In each language folder you have `navigation.json` file. Each item of `navigation.json` corresponds to a menu item. This is a default `navigation.json` :

```
{
    "navigation":
    [
        {
            "navName": "Home",
            "route": "home",
            "type": "default"
        },
        {
            "navName": "Getting started",
            "route": "getting-started",
            "type": "default"
        },
        {
            "navName": "Test cases",
            "route": "test-cases/redirect",
            "type": "default"
        },
        {
            "navName": "FAQs",
            "route": "faq",
            "type": "markdown"
        },
        {
            "navName": "Contact",
            "route": "contact",
            "type": "default"
        }
    ]
}
```

The menu looks like on the following picture:

Home   Getting started   Test cases   FAQs   Contact

`navName` is a property for a display name. There you can specify visible name of the navigation item. For each language this name could be different. `route` is a property for navigation route of the page, displayed in URL.

Home, Getting started, Test cases and Contact have `type` property set to default. Only these 4 pages can use default type, because they are bound to Angular components inside of the application. Custom pages should use two other types: `markdown` and `redirect`.

If you have a look at the definition of FAQs page, it has type `markdown`. It means that page is generated from markdown file with name `faq.md` and route `page/faq`. `route` property for custom pages specifies route (to which prefix `page/` always added automatically) and corresponding markdown file name (to which extension `.md` added automatically).

Type `redirect` means that the page would redirect to an external link on click. Example:

```
{
  "navName": "Contact",
  "route": "https://adorsys.de",
  "type": "redirect"
}
```