

UI Customization guide

Table of content

1. General information about UIs customization
 - 1.1 General information
 - 1.2 Step-by-step guide
 - 1.3 Common CSS properties
 - Fonts
 - Text sizes and weights for different screen sizes
 - Headers sizes and weights for different screen sizes
 - Colors
 - HTML Body settings
 - Navigation bar colors
 - Footer colors
 - Anchor colors
 - Buttons
 - Inputs
 - Selects
 - 1.4 Examples
 - Examples of font customization
 - Examples of text size customization
 - Examples of text weight customization
 - Examples of h1 size customization
 - Examples of h1 weight customization
 - Examples of h2 size customization
 - Examples of h2 weight customization
 - Examples of h3 size customization
 - Examples of h3 weight customization
 - Examples of color customization
 - Examples of html body customization
 - Examples of navigation bar customization
 - Examples of footer customization
 - Examples of anchor customization
 - Examples of button customization
 - Examples of input customization
 - Examples of select customization
2. How to customize Developer Portal
 - 2.1 Details about Developer Portal customization

2.2 Additional CSS properties for Developer Portal

- Main
- Hero
- Steps
- Contacts card
- Test cases
- Table
- Checkboxes

2.3 Developer Portal examples

- Examples of MainBG customization
- Examples of StepBG customization
- Examples of Contacts Card customization
- Examples of Test cases customization
- Examples of Table customization
- Examples of Checkbox customization

2.4 Customization of pages and Developer Portal content with markdown

General information about UIs customization

General information

All four user interfaces provided inside ModelBank 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 *Play with Data* section, currency of the examples, available SCA approaches and supported languages.

For Online Banking UI, Admin 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 ModelBank except Developer Portal. 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

Name	Usage	Parent property	Child properties	Accepted values	Required
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 ModelBank 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 <code>fontFamily</code>	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 <code>div</code> and <code>p</code> html-tag	font-size	Standard values for font-size CSS property (px, vw, %, em, rem etc)	Examples of text size customization
textFontWeight	Customize text weight for screen size wider than 1024px for all usual text in <code>div</code> and <code>p</code> 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 <code>div</code> and <code>p</code> 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 <code>div</code> and <code>p</code> html-tag	font-weight	Standard values for font-weight CSS property	Examples of text weight customization

Name	Usage	Bound to CSS property	Accepted values	Examples
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

Name	Usage	Bound to CSS property	Accepted values	Examples
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

Name	Usage	Bound to CSS property	Accepted values	Examples
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
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
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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 <code><a></code> 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 <code><a></code> 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	Ex
------	-------	-----------------------	-----------------	----

Name	Usage	Bound to CSS property	Accepted values	Ex
------	-------	-----------------------	-----------------	----

buttonTextColor	Used to customize text color of the button	font-color	May contain any legal CSS color values supported by modern browsers	Example 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	Example 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	Example 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	background, background-color	May contain any legal CSS color values supported	Example button customization

Name	Usage	Bound to CSS property	Accepted values	Ex
------	-------	-----------------------	-----------------	----

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	Example 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	Example 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	Example button customization
buttonClicked	Used to customize background color of the button when button is clicked	background, background-color	May contain any legal CSS color values supported	Example button customization

Name	Usage	Bound to CSS property	Accepted values by modern browsers	Examples

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

Name	Usage	Bound to CSS property	Accepted values	Examples
inputBorderStyleLeft	Used to customize border style of the left border of <code><input></code> 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 <code><input></code> 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 <code><input></code> 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 <code><input></code> 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 <code><input></code> 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

Name	Usage	Bound to CSS property	Accepted values	Examples
selectBorderStyleTop	Used to customize border style of the top border of <code><select></code> 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 <code><select></code> 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"
```

[Back to reading about textFontWeight property.](#)

Examples of h1 size customization

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

[Back to reading about h1FontSize property.](#)

Examples of h1 weight customization

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

[Back to reading about h1FontWeight property.](#)

Examples of h2 size customization

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

[Back to reading about h2FontWeight property.](#)

Examples of h2 weight customization

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

[Back to reading about h2FontWeight property.](#)

Examples of h3 size customization

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

[Back to reading about h3FontSize property.](#)

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"
```



[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"
```

[Home](#) [Getting started](#) [Test cases](#) [FAQs](#) [Contact](#)  EN

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 ModelBank input:

```
"inputBG": "white",  
"inputBorderStyleLeft": "1px solid #dcdcdc",  
"inputBorderStyleRight": "1px solid #dcdcdc",  
"inputBorderStyleBottom": "1px solid #dcdcdc",
```

```
"inputBorderStyleTop": "1px solid #dcdcdc",  
"inputBorderRadius": "0.1rem",
```

YOUR_USER_LOGIN

2. Customized input:

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

YOUR_USER_LOGIN

[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",
```

[Back to reading about selects.](#)

How to customize Developer Portal

Details about Developer Portal customization

1. Create a `json` file with name `UITheme` (e.g. `UITheme.json`).
2. Fill all the needed fields.
3. When you create `UITheme.json` file and fill all required fields, put this file with `logo` (e.g. `logo.png`) and `favicon` and other needed images in the folder `./src/assets/content/custom-content/` of your user interface.

Here is a detailed example json for Developer portal:

```
{
  "globalSettings": {
    "supportedLanguagesDictionary": {
      "en": "united-kingdom.png",
      "de": "germany.png",

      "ua": "ukraine.png"
    },
    "googleAnalyticsTrackingId": "UA-160845388-1",
    "logo": "Logo_XS2ASandbox.png",
    "favicon": "favicon.ico",
    "cssVariables": {
      "fontFamily": "Arial, sans-serif",
      "buttonBgGradient1": "#2D3364",
      "buttonBgGradient2": "#F85F3D",
      "buttonHoveredGradient1": "#2D3364",
      "buttonHoveredGradient2": "#000000",
      "buttonClickedGradient1": "#2D3364",
      "buttonClickedGradient2": "#000000"
    }
  },
  "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
},
"footerSettings": {
  "socialMedia": {
    "facebookLink": "https://www.facebook.com/adorsysGmbH",
    "twitterLink": "https://twitter.com/adorsys",
    "xingLink": "https://www.xing.com/companies/adorsysgmbh%26cokg",
    "linkedinLink": "https://www.linkedin.com/company/adorsys"
  }
},
"playWithDataSettings": {
  "supportedApproaches": ["redirect", "embedded"],
  "examplesCurrency": "EUR",
  "tppSettings": {
    "tppDefaultNokRedirectUrl": "https://www.google.com",
    "tppDefaultRedirectUrl": "https://adorsys-platform.de/solutions/xs2a"
  }
}
}
}

```

Additional properties for Developer Portal:

Name	Usage	Parent property	Child
			supportedLan

Name	Usage	Parent property	Child property
globalSettings	Global settings of Developer Portal	-	socialMedia, googleAnalytics, favicon

cssVariables	A set of CSS variables used for styling customization	globalSettings	-
pagesSettings	Content settings of Developer Portal	-	contactPageSettings, homePageSettings, navigationBarSettings
contactPageSettings	Content settings of Contact Page	pagesSettings	contactInfo, of
homePageSettings	Content settings of Home Page	pagesSettings	showProductHistory, contactInfo, sh
showProductHistory	Defines if product history should be shown on Home Page or not	homePageSettings	-
showSlider	Defines if slider with ModelBank features should be shown on Home Page or not	homePageSettings	-
navigationBarSettings	Navigation bar settings	pagesSettings	allowedNavigationSize, logoLink
footerSettings	Footer settings	pagesSettings	allowedNavigationSize, socialMedia
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	-
logoLink	Used to set a path to a	globalSettings	

logo	logo picture	globalSettings	-
Name	Usage	Parent property	Child property

logoLink	Used to set a link for the click on logo picture	globalSettings	-
contactInfo	Used for customizing contact information on Contact page and Ask questions card (lower section of the Home page)	contactPageSettings or homePageSettings	name, position
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	-
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	-
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	-
img	Used for customizing image of the person in contact information on Contact page and Ask questions card	contactInfo	-

Name	Usage (lower section of the Home page)	Parent property	Child property

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	-
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	-
officesInfo	Used for customizing offices information on Contact page	contactPageSettings	city, company, addressFirstLine, addressSecondLine, email
city	Used for customizing city of the office in contact information on Contact page	officesInfo	-
company	Used for customizing company name in contact information on Contact page	officesInfo	-
addressFirstLine	Used for customizing company address (first line in the card) in contact information on Contact page	officesInfo	-
addressSecondLine	Used for customizing company address (second line in the card) in contact information on Contact page	officesInfo	-

Name	Usage	Parent property	Child property
	Contact page		

email	Used for customizing email of the office in contact information on Contact page	officesInfo	-
phone	Used for customizing phone of the office in contact information on Contact page	officesInfo	-
playWithDataSettings	Content settings of Test cases section and Play with data tab	pagesSettings	supportedApp examplesCurr
supportedLanguages	Used to customize supported languages of Developer Portal	-	-
supportedApproaches	Used to customize shown information about SCA approaches	playWithDataSettings	-
examplesCurrency	Main currency of developer portal examples. When you input a currency, all the jsons currencies are changed to the desired currency.	playWithDataSettings	-
tppSettings	Settings related to a particular TPP using the ModelBank	playWithDataSettings	tppDefaultNok tppDefaultRec
tppDefaultNokRedirectUrl	TPP not OK link, used in all XS2A requests in Play with data section and related to XS2A standard header for Redirect SCA	tppSettings	-

Name	approach TPP-Nok-Redirect-URI	Parent property	Child

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	-
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Additional CSS properties for Developer Portal

Main

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
------	-------	-----------------------	-----------------	----------

Name	Usage	Bound to CSS property	Accepted values	Examples
stepBG	Background of the steps (How to use ModelBank) 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

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
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

Name	Usage	Bound to CSS property	Accepted values	Examples
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
------	-------	-----------------------	-----------------	----------

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	Checkbox 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
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 background settings.](#)

Examples of HeroBG customization

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

[Back to reading about hero background settings.](#)

Examples of StepBG customization

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

[Back to reading about steps background settings.](#)

Examples of ContactsCardBG customization

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

[Back to reading about contacts card background 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

[Back to reading about table settings.](#)

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:

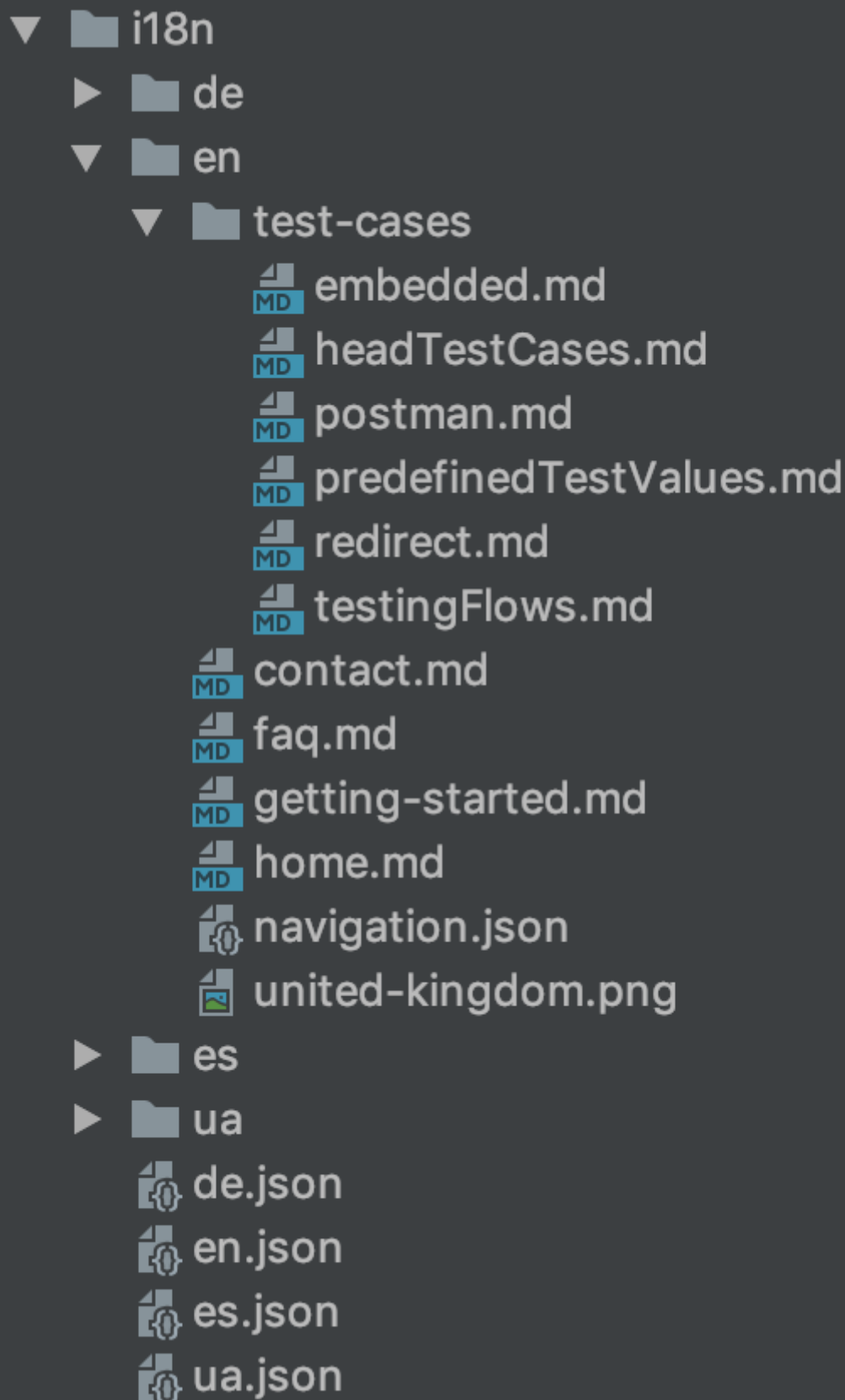
```
"checkBoxMarkColor": "#000000",  
"checkBoxBGChecked": "#E0E5E8",  
"checkBoxBG": "#E0E5E8",  
"checkBoxMarkLeft": "40%",  
"checkBoxMarkTop": "30%",  
"checkBoxMarkWidth": "5px",  
"checkBoxMarkHeight": "8px",
```



[Back to reading about checkbox settings.](#)

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 3 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

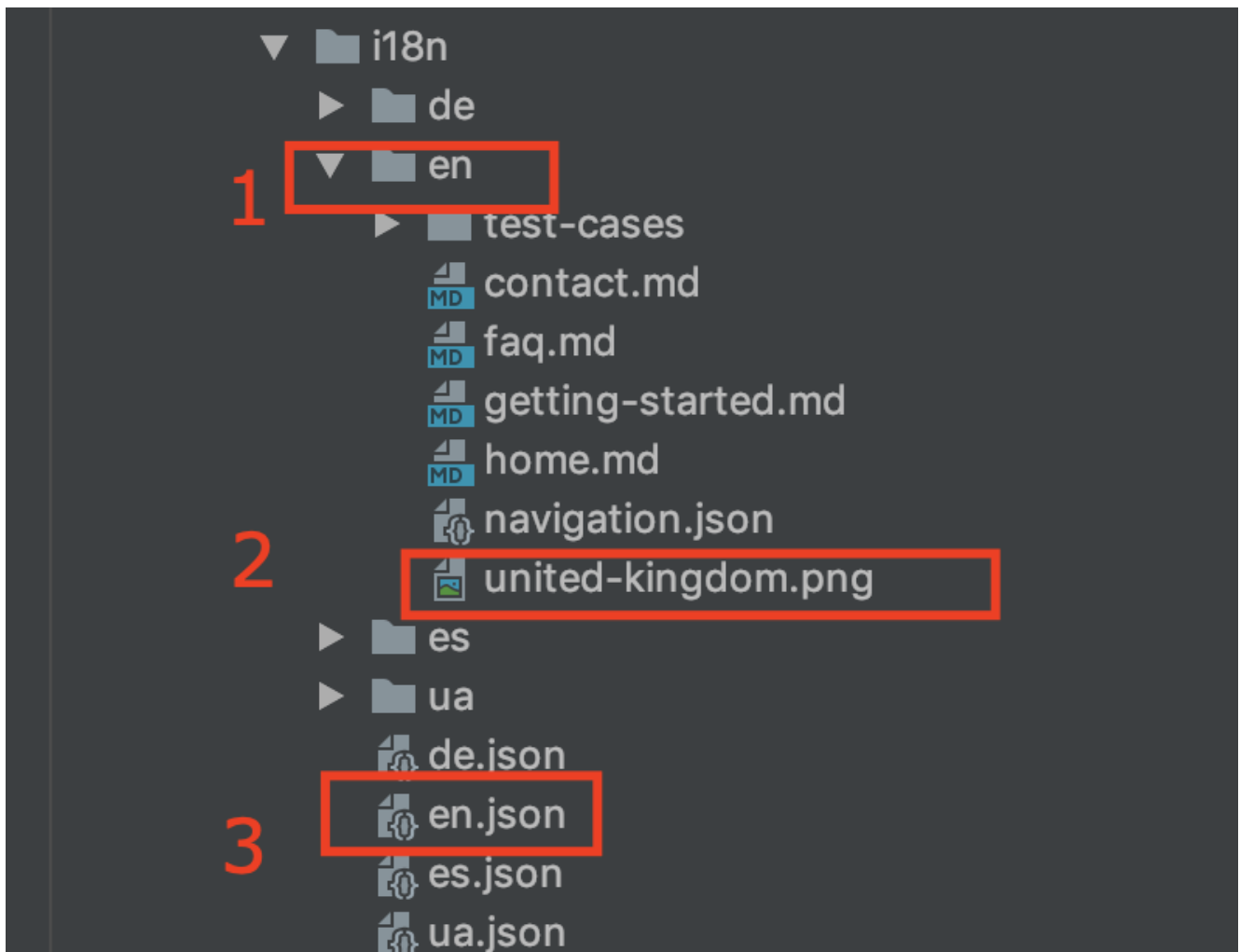
"supportedLanguagesDictionary".

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",
      "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"  
}
```