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How-To Guide Configuring Styles and Themes -ReactPOS

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Introduction

The purpose of this guide is to show how to configure Themes and other Styling components to allow you to style the Enactor ReactPOS application to meet your organisation's branding requirements.

There is one approach to managing the styling on the POS. It uses Stylesheets and images which are uploaded and configured using the Estate Manager, and are then broadcast to the POS as for normal configuration data.

This how-to guide will cover that approach.

Overview

The following steps are required to configure ReactPOS Styles and Themes:

- Stylesheet Configuration
- Image Category Configuration
- Image Configuration
- POS Terminal Configuration (Stylesheets and Images)
- Theme Configuration
- POS Terminal Configuration (Themes)
- Rich Product Menu Configuration

Prerequisites

Resources

Before starting, you should have the following resources in place:

- Enactor Estate Manager
- Enactor POS (configured within the UK Region, connected to the Estate Manager)
- Standard Configuration, including:
 - Base Configuration
 - UK Retail (I have used UK in this example, but it could be other regional config packs.)
- Examples of Data to be used as models, particularly product data

Prior Training/Experience

You should be familiar with the following:

- Estate Manager configuration
- Enactor configuration concepts, including Locations, POS Terminals, Products etc.
- Data broadcasting
- Standard POS Sales processes

Configuration Steps













Image Category Configuration

Image Categories are used to classify different types of images within Enactor. Several Image Categories are provided with Enactor initially. More categories may be created to hold different sets of images for use within POS UI configurations.

As noted above, the standard image URL for each POS image contains the Image Category as a folder path. E.g. `image://TestCategory/Button40x40.png` points to a standard-sized button image in the TestCategory folder.

When images are deployed to the filesystem on the POS (which is done automatically by the data broadcast & receive process) they will be located within folders matching the Image Categories.

To configure Image Categories, navigate to the maintenance utility using Search or the path *Configuration-Media-Image Categories*.

	Category	Description
  	BRANDING	Branding Images
  	CARD	Card Images
  	EMPLOYEE	Employee Images
  	OTHER	Miscellaneous

To create a new category, click on “Create a new Image Category”.










Give the Category an appropriate ID. (e.g. reactPOS).

Then give the Category an appropriate name and save. This concludes image category maintenance.

Image Configuration

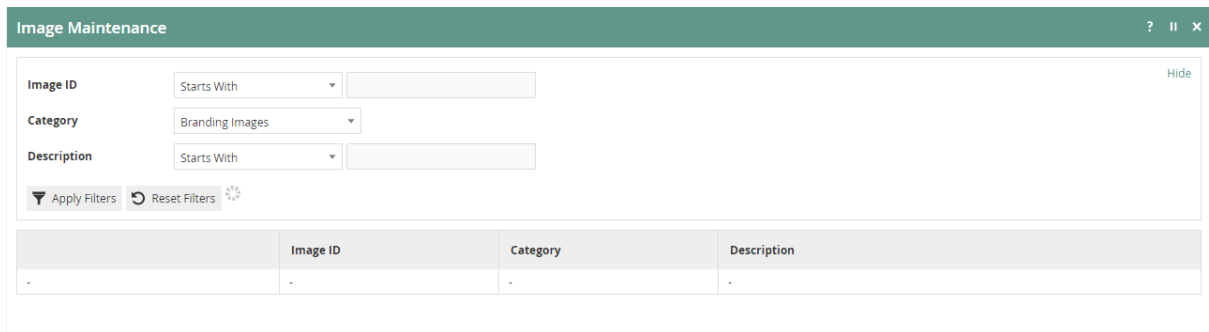
Now we have an image category, we can upload the images required for the User Interface. The Images will each belong to the category we have created, and will be referenced in the Stylesheet.

To create the image records, navigate to Image maintenance using Search or the path Configuration-Media-Images.

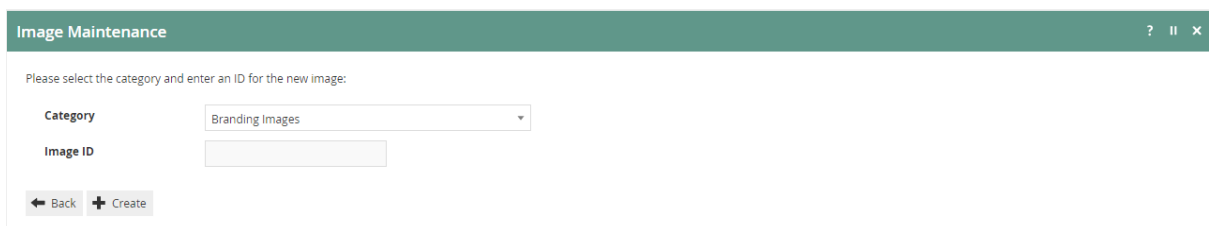
	Image ID	Category	Description
  	00503585	PRODUCT	00503585
  	00521940	PRODUCT	00521940
  	00525194	PRODUCT	00525194

The Image maintenance utility is used to manage several categories of images, including those used for products, receipt logos etc.

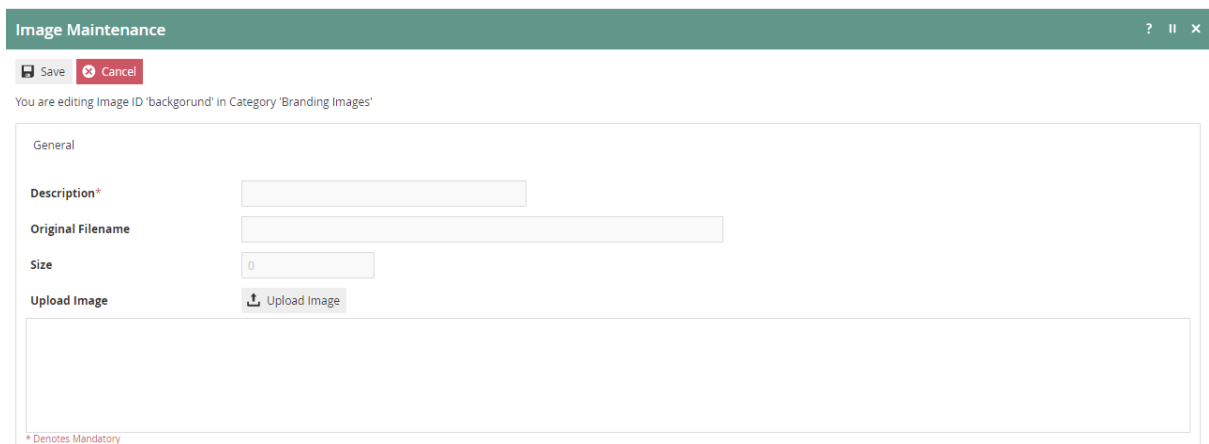
Start by selecting the Image Category you have created from the dropdown. You will then have an empty list as no images have been created for this category yet.



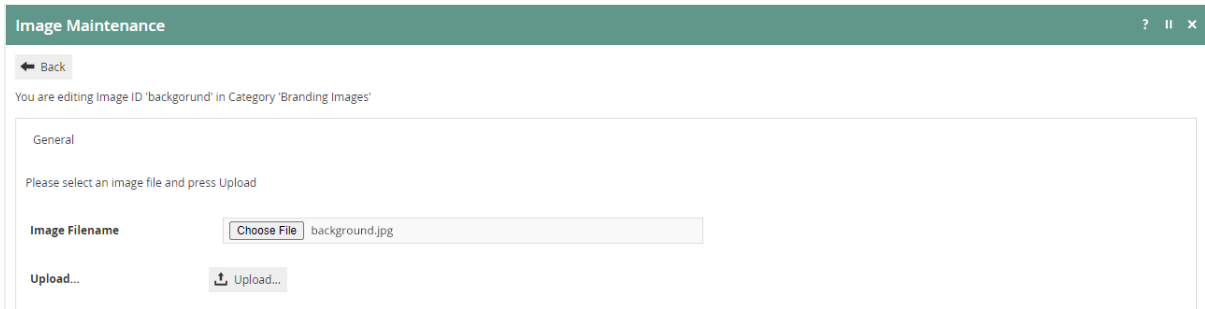
Start a new image by clicking “Upload a new image”.



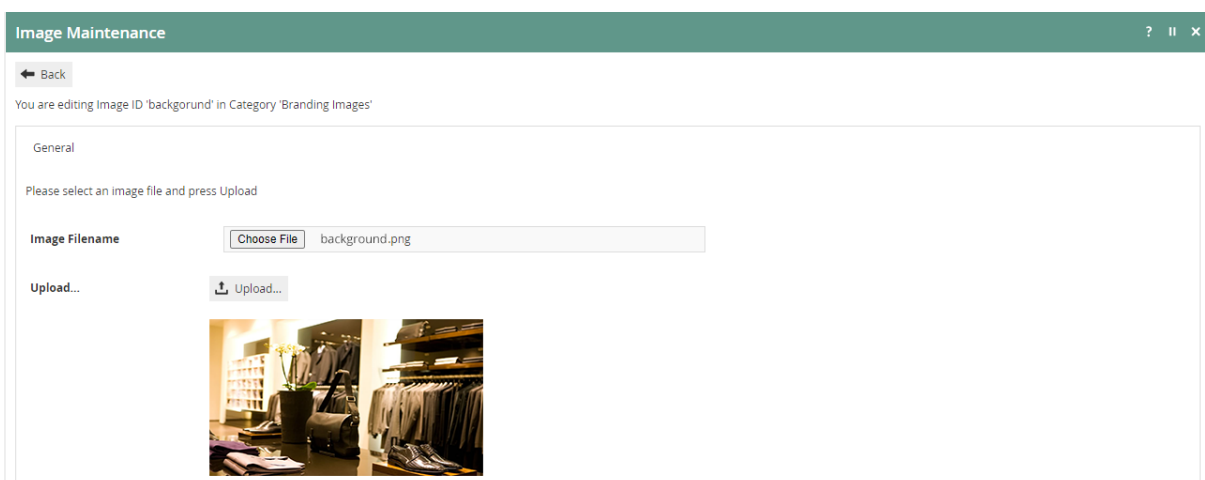
The Category should be preset to your image category. Give the image ID the name of your file, excluding the extension. So testimage.png would have an image ID of testimage. Here I am uploading a background image.



Give the image an appropriate description. Then click on “Upload Image” and browse to find the image file on your local filesystem.



Then click Upload... to load the file into the Estate Manager.



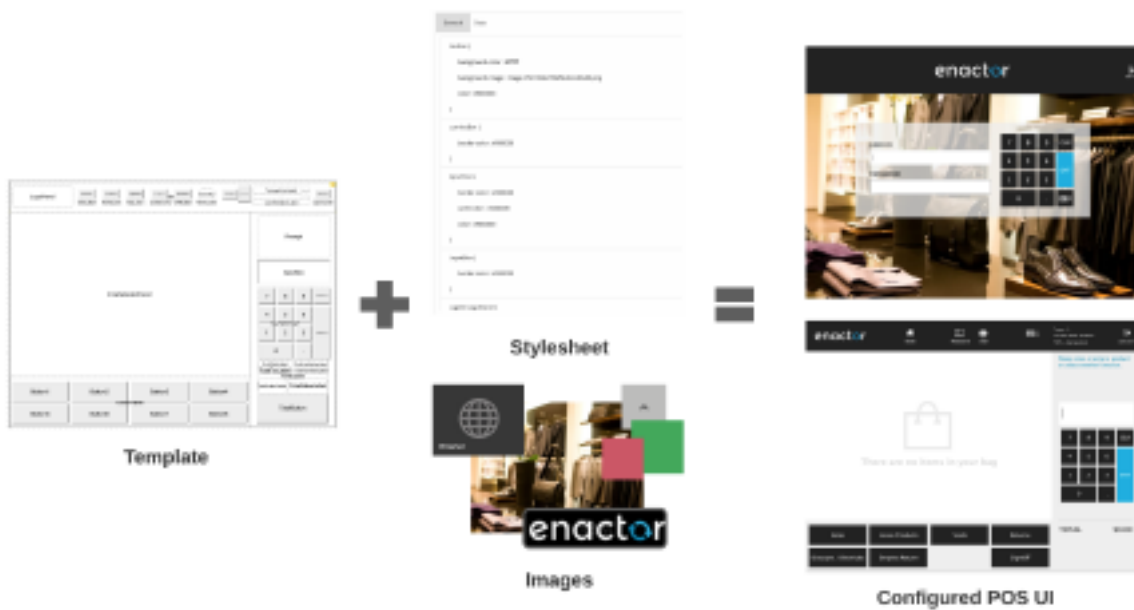
The utility will show a preview of the image, and the filename and size will be populated. Save the image record.

Then repeat this process for all the images required by your stylesheet.

This concludes the image configuration step.

Stylesheet Configuration

The Stylesheet is a document containing the rules for how the POS application should appear, including fonts, colours and images. It is combined with a set of templates that define the structure of the POS Pages, and a set of images, to provide the final User Interface design:



The stylesheet may be maintained using standard CSS editing tools and techniques. An existing Stylesheet should be used as a model, to ensure all the required styles are included.

The main components of the stylesheet that will be maintained comprise:

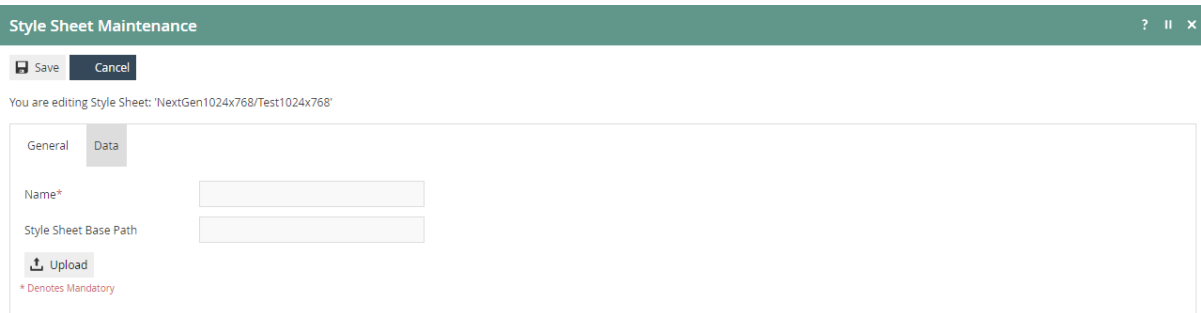
- Colours – entered as hexadecimal RGB codes, e.g. #FF3344: ■
- Images – these use a standard URL Structure e.g. image://Test
- Category/Button40x40.png. This URL relates to the images and image categories that have been created/uploaded for this POS UI.
- Fonts – these normally come from the template, but may be overridden with the stylesheet.

To configure a stylesheet, navigate to the Maintenance utility in the Estate Manager using search or the path *Configuration-Organisation-Stylesheet Maintenance*.



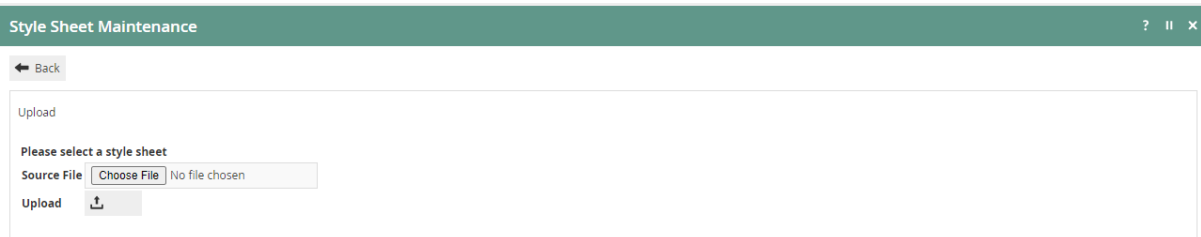
Click the “Create Style Sheet” button to create a new style sheet.

Enter the name of the style sheet along with the file extension(.css). This will be a path structure based on an existing Enactor ReactPOS theme. For example, a stylesheet that is a child of the Enactor NextGen theme may have the path “TestStylesheet.css”



On the next page, enter a Name for the stylesheet. The Base Path field is not required.

Then Upload the CSS file that will be the basis of your stylesheet. This may have been provided by Enactor, or edited externally using a 3rd party tool. Click the Upload button, then browse to find the file on the filesystem. Then click Upload.



If you then navigate to the Data tab, you will see the CSS content. The CSS cannot be edited on this page. If editing is required, this should be done externally and the file re-uploaded.

Once the file is uploaded, you may Save the Stylesheet.

POS Terminal Configuration (Stylesheet and Images)

The final configuration step is to apply the stylesheet you have configured to your POS Terminals/POS Terminal Templates. This will then make the changes effective.

Navigate to POS Terminal Configuration using Search or the path *Configuration-Organisation-POS Terminals* or *Configuration-Organisation-POS Terminal Templates*.

Then select the POS Terminal/Template you wish to modify, and click on edit.

Then switch to the User Interface Tab, and the Branding/Style sub-tab:

The screenshot shows the 'POS Terminal Template Maintenance' interface. At the top, there is a green header bar with the title 'POS Terminal Template Maintenance'. Below the header, there are 'Save' and 'Cancel' buttons. A message states 'You are editing POS terminal template 'RETAIL_FIXED_POS_TEMPLATE''. Below this, there is a navigation bar with tabs: 'General', 'Peripherals', 'Printing', 'Day Start', 'Day End', 'User Interface', 'Tax', 'Online Auth', 'Loyalty', 'Groups', 'External', and 'Tendering'. The 'User Interface' tab is selected. Underneath, there is a sub-tab bar with 'General', 'Branding / Style', and 'Customer View'. The 'Branding / Style' sub-tab is active. The form contains the following fields:

- Operator View Parent Theme:** A text input field containing 'NextGen'.
- Operator View Theme:** A dropdown menu with 'NextGen 1024x768' selected.
- Operator View Style Sheet:** A dropdown menu with '-' selected.
- Logo Image:** A dropdown menu with '-' selected.

The Operator View Theme should be set to the parent theme of which your stylesheet is a child (see Stylesheet maintenance above for reference).

Then select the Operator View StyleSheet drop-down. Select your Stylesheet name from the list.

POS Terminal Template Maintenance

Save Cancel

You are editing POS terminal template 'RETAIL_FIXED_POS_TEMPLATE'

General Peripherals Printing Day Start Day End User Interface Tax Online Auth Loyalty Groups External Tendering

General Branding / Style Customer View

Operator View Theme NextGen 1024x768

Operator View Style Sheet Test Stylesheet

Logo Image -

Sign On Logo Image -

Save the POS Terminal/POS Terminal Template.

This concludes the POS Terminal configuration Step. All the configuration required to set the Styling of the POS UI is now complete. Broadcast all the amended entities to your target POS Device(s). Once they have been received, restart the POS application.

You should see the reconfigured POS user interface displayed.

Manage Stylesheet

Images

```
.signon .body-area {
    background-image:
url("image://TestCategory/BackgroundImage.jpg");
}

.signon .hdr-area .hrd-logo {
    background-image: url("image://TestCategory/signonLogo.png");
}

.hdr-area .hrd-logo {
    background-image: url("image://TestCategory/signonLogo.png");
}
```

Header Styles

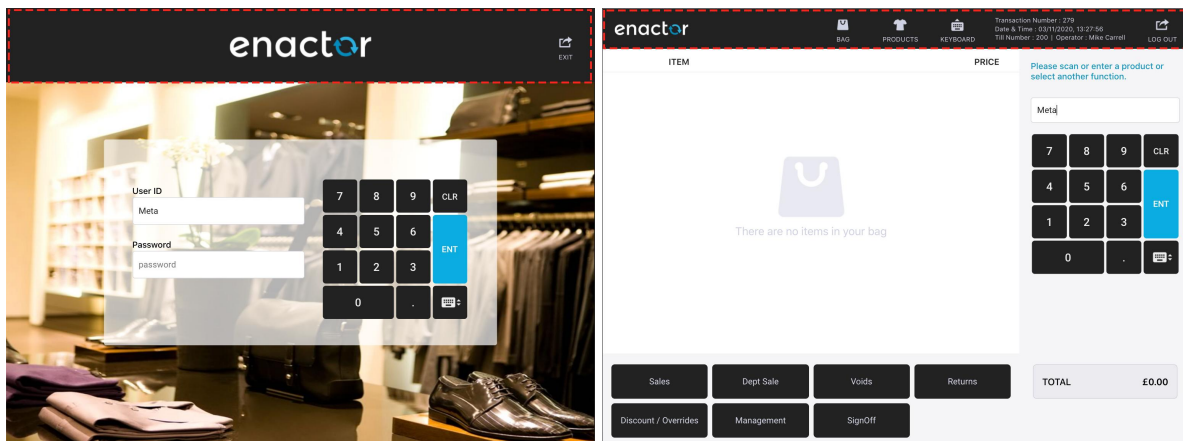
```
.hdr-area {
    background-color: #222222; /* header background colour */
}

.hdr-area .hrd-icon .icon-txt {
    color: #d0d2e2; /* menu button text colour */
}

.hdr-area .hrd-info .hrd-info-row {
    color: #d0d2e2; /* info text colour */
}

/* Header button pressed */
.hdr-area .hrd-icon:active {
    background-color: #666666; /* menu button pressed colour */
}

.hdr-area .hrd-icon .item-count,
.hdr-area .m-item-count {
    background-color: #e0e620; /* item count background colour */
    color: #222222; /* item count text colour */
}
```



Number Pad

```
.numpad-key {
  background-color: #3C4650; /* number pad button colour */
  color: #eee; /* button text colour */
}

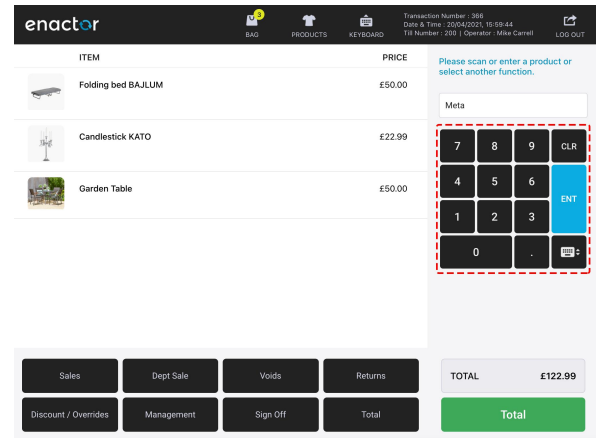
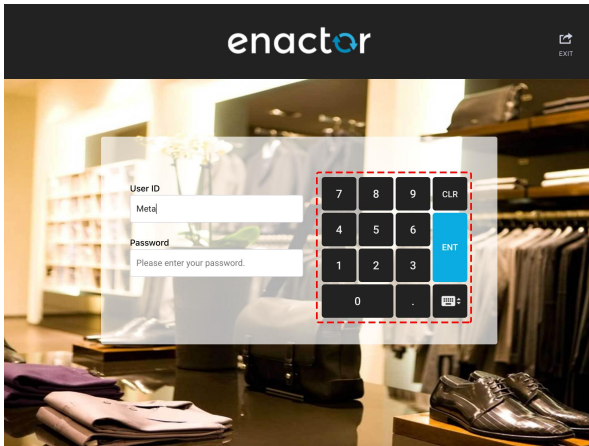
.numpad-key:active {
  background-color: #333D44; /* number pad button pressed colour */
  color: #eee; /* number pad button pressed text colour */
}

/* number pad enter button */
.numpad-key.enter {
  background-color: #2EB2AA;
  color: #ffffff;
}

.numpad-key.enter:active {
  background-color: #289389;
  color: #ffffff;
}

/* number pad clear button */
.numpad-key.clear {
  background-color: #E60B15;
}

.numpad-key.clear:active {
  background-color: #BC0412;
}
```

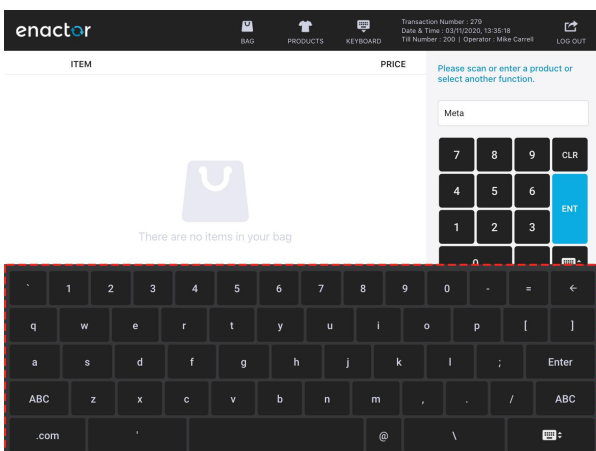


Keyboard

```
.simple-keyboard.hg-theme-default {
    background: #38383a; /* keyboard panel colour */
}

.simple-keyboard.hg-theme-default .hg-button {
    background-color: #222222; /* keyboard button colour */
    color: #d0d2e2; /* keyboard button text colour */
}

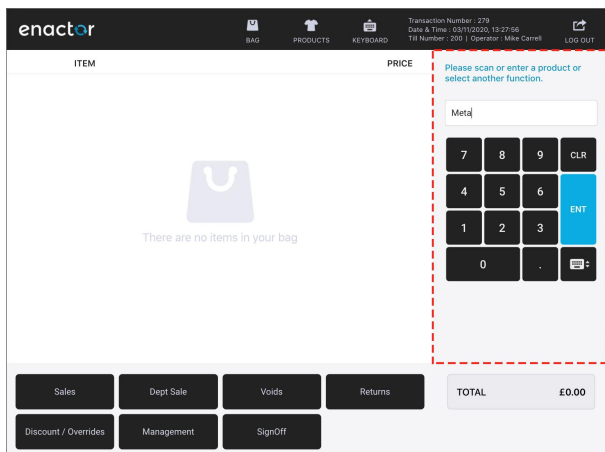
.hg-theme-default .hg-button:active {
    background-color: #666666; /* keyboard button pressed colour */
}
```



Right Panel

```
.body-right {
    background-color: #F0F0F0; /* left panel background colour */
}

.msg-wrp {
    color: #0b95c0; /* left panel message text colour */
}
```



Footer

```
.body-footer {
    background-color: #F0F0F0; /* footer background colour */
}

/* footer button */
.ftr-button {
    background-color: #222222;
    color: #d8dae9;
}

/* footer button pressed */
.ftr-button:active {
    background-color: #666666;
    color: #d0d2e2;
}
```

```
/* footer ok/continue button */
.ftr-button.ok, .ftr-button.continue {
    background-color: #08adel;
    color: #ffffff;
}

.ftr-button.ok:active, .ftr-button.continue:active {
    background-color: #289389;
    color: #ffffff;
}

/* footer cancel button */
.ftr-button.cancel {
    background-color: #f25c5c;
    color: #ffffff;
}

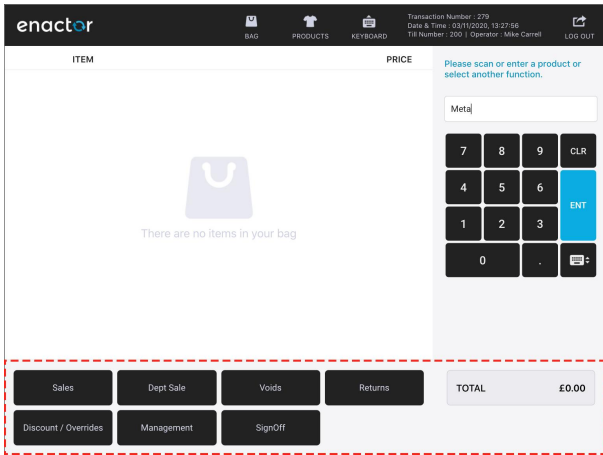
.ftr-button.cancel:active {
    background-color: #d14f4f;
    color: #ffffff;
}

/* total button */
.ftr-button.total {
    background-color: #3ea958;
}

.ftr-button.total:active {
    background-color: #2f8845;
}

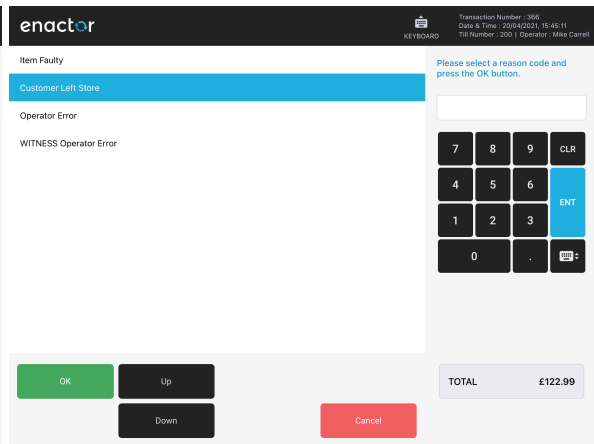
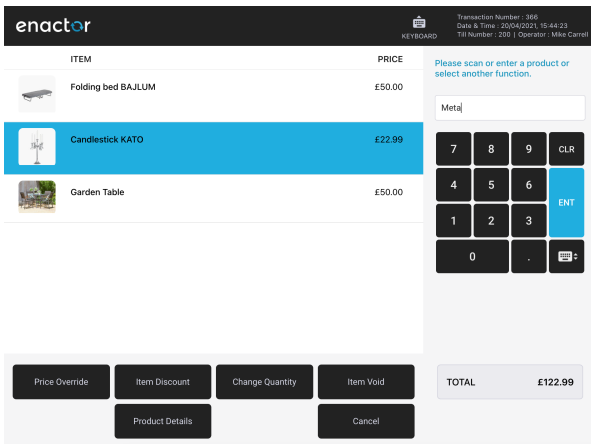
/* total display label */
.tot-lbl {
    background-color: #ebebef;
}

.tot-lbl-txt1, .tot-lbl-txt2 {
    color: #222222;
}
```

Row Selected

```
.basket-grid-row.selected, .selection-row.selected {
  background-color: #2EB2AA;
  color: #ffffff;
}
```



Buttons

```
.btn-green, .popup-ftr-btn.btn-green {
  background-color: #2EB2AA;
  color: #ffffff;
}

.btn-green:active, .popup-ftr-btn.btn-green:active {
  background-color: #289389;
  color: #ffffff;
}

.btn-red,
.popup-ftr-btn.btn-red {
  background-color: #E60B15;
  color: #ffffff;
}

.btn-red:active,
.popup-ftr-btn.btn-red:active {
  background-color: #BC0412;
  color: #ffffff;
}
```

Rich Product Search

```

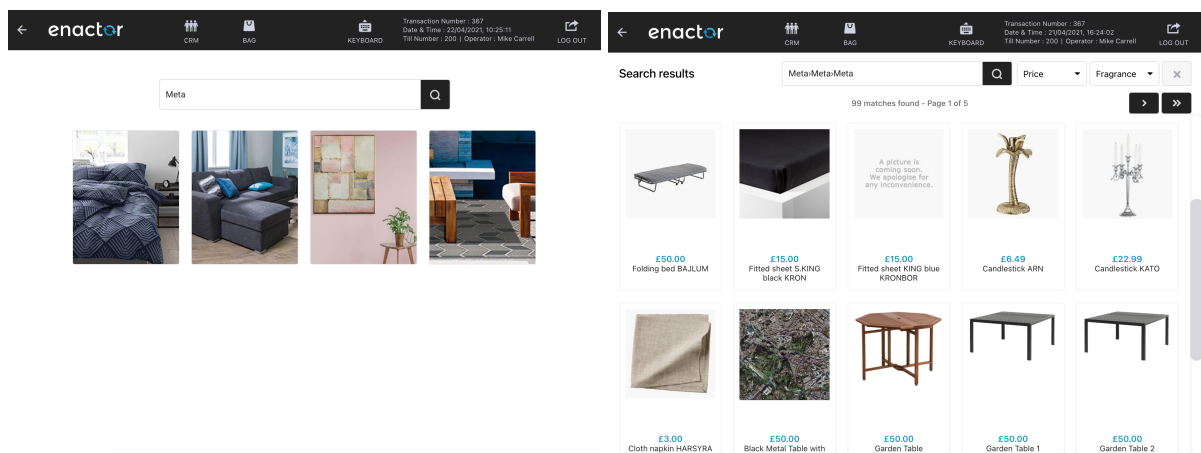
.pro-hdr-search-btn, .paginbtn {
  background-color: #0050AA;
}

.pro-hdr-search-btn:active, .paginbtn:active {
  background-color: #004787;
}

.product-left {
  background-color: #f5f5f6;
}

.sidenav > ul > li > a,
.sidenav a {
  color: #666666;
}

```



Product Detail View

```
.product-availability {
  background-color: #f25c5c;
}

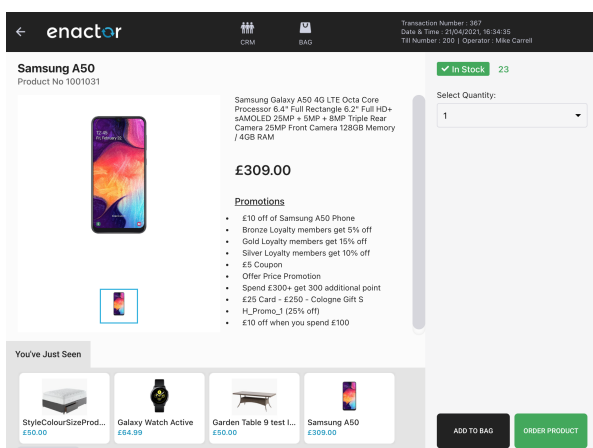
.instock .product-availability {
  background-color: #3ea958;
}

.product-stock-count {
  color: #3ea958;
}

/* add to bag button */
.sidepanel-ftr-btn.half {
  background-color: #222222;
  color: #ffffff;
}

/* order button */
.sidepanel-ftr-btn.half.green {
  background-color: #3ea958;
  color: #ffffff;
}

.sidepanel-ftr-btn.half.green:active {
  background-color: #2f8845;
}
```



About This Document

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The amendment history of this document can be found in the table below.

Current Document Version information

Document Version 1.0

Product Version 2.6

Document Context

This document is part of the Enactor Product Documentation Series. All Enactor products include a comprehensive documentation set designed to improve understanding of the product and facilitate ease of use.

Document Inquiries

At Enactor we aspire to producing the highest quality documentation to reflect and enhance the quality of our product. If you find that the document is inaccurate or deficient in any way, please assist us in improving our standard by letting us know.

For matters of document quality or any other inquiries regarding this document please contact: By Email: **documentation@enactor.co.uk**

Document History

The following versions of the document have been produced:

VERSION	STATUS	ISSUE DATE	AUTHOR	REASON FOR ISSUE
1.0	Initial Draft	15 Jun 2021	Nuwan Madurapperuma	Initial version