



# Interact 4.0

## User Guide

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## Interact

This user guide covers Blue Prism Interact (Interact). Interact consists of two key components, the web-based portal used to submit requests and a plugin within Hub called Forms. This guide is for version 4.0 of Interact – the standalone version of August 2020.

This guide outlines functionality and usage of Interact and the Forms plugin. By utilizing Interact, automation developers can create web-based forms that will allow a user to interact with automations, not just at the point of initialization but also during the process if a human is required to review progress, enabling a “human/digital worker collaboration” approach. It is assumed as part of this guide that the user is familiar with Blue Prism digital workforce and has experience with components such as Hub and Blue Prism.

## About Interact

As a digital workforce expands the addressable use cases of an enterprise, there is a further need for digital workers and humans to collaborate in the end-to-end execution of a business process. In addition, innovative ways of assigning work to a digital workforce are required to provide flexibility on who can interact with the resource. Blue Prism Interact provides new and existing Blue Prism users with a collaboration interface for an end users interaction with their digital workforce within a business process. Initiate, verify, receive and authorize varied work related to your business processes. In addition, Blue Prism Interact reduces the skill criteria required by allowing users to create dynamic web interfaces either by using the no-code form designer or using a Blue Prism Visual Business Object (VBO) to create forms based on the business process requirements.

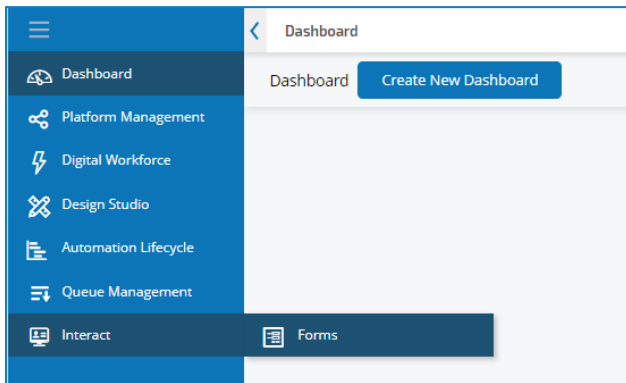
Blue Prism Interact functionality is split across two Blue Prism components; firstly, a developer utilizing Hub and the Forms plugin to create and publish Forms for an end user to utilize; secondly the end user interface where they can, by utilizing published Forms, interact with the digital workforce.

The Interact end user interface is accessed via a web browser, negating the need for any locally installed software. Interact can be accessed as an internal web application or published externally.

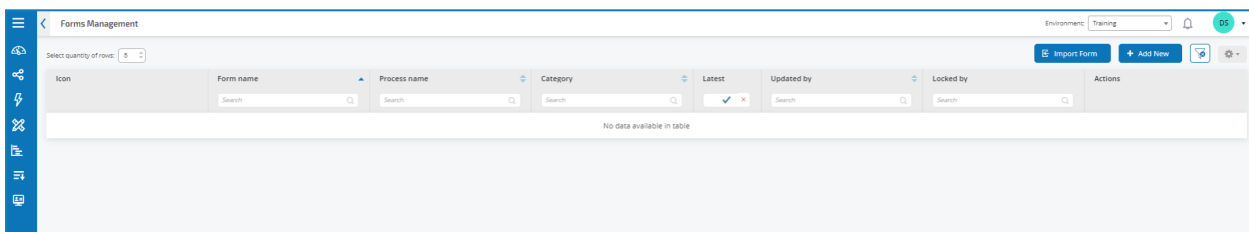
This user guide is split into two distinct sections, one section is focused on the developer who is responsible for creating Forms and publishing them for end users to utilize. The second section focuses on the web-based Interact interface where an end user can utilize the Forms and review submitted requests.

## Interact Forms

Forms is a Hub plugin that can be found under the Interact section in Hub.



The first time you use Forms, the Forms Management screen displays.



This screen lists any forms that have been created, their status, and whether they are locked for editing.

## Create a form

Before you can create a form, a business process must already exist. If the Add New button is greyed out there are no available business processes to create a form for. You can only have one form associated with a business process. For more information about creating business processes, see the Automation Lifecycle Management (ALM) user guide.

1. From the Forms Management screen, click **Add New**.

The Create form screen displays.

**Create form** [X]

Business Process \*  
Placing Orders

Name \*  
Enter Name

Description \*  
Enter Description  
250 Characters remaining

Delivery Method \*

You need to choose at least one delivery method

☐ Queue \*  
☐ Email \*

Default Approval Type \*  
Note: Settings can be overridden when creating Form Rules  
None

Category \*  
Select Category

Icon \*  
Note: Icon color will change based on user's aligned theme  
Drop or paste the image  
Max File Size: 30KB  
Upload...

Icon Category \*  
Application

Cancel Save

2. Complete the following mandatory fields to define the overall details of a form:

- **Business Process** – The business process associated with the form you are creating.
- **Name** – The name of the form.
- **Description** – A description for the form.
- **Delivery Method** – The way the form will be delivered. Select **Queue**, **Email**, or both if required.

Selecting **Queue** allows the submitted request to be added into a Blue Prism Queue for processing. Complete the following fields to configure details of the queue:

- **Environment** – The environment that the submitted request will be made into.
- **Queue Name** – The queue in the selected environment that will be used to load the submission.
- **Priority** – The business priority for the submitted form. This can be any value between 1 to 999 with 1 being the highest priority.

This functionality utilizes IADA and one of the key approaches used by IADA® is to measure the amount of work (queue items in Blue Prism) based on the Priority and Service Level Agreement (SLA). Each item is labelled with these metrics individually or inherits this value from the associated business process to support the ordering of work. When a digital worker is 'available' to execute a process, IADA® identifies the next best item based on configurable properties and returns the activity to the digital worker.

- **SLA** – The business Service Level Agreement (SLA) timeframe in which the submitted request should be processed within. The definition is ddd.hh:mm:ss and the range from 000.00:00:00 to 999.23:59:59.

Selecting **Email** will allow the submitted request to be forwarded to an email address for review. This is not the approval submission.

- **Default Approval Type** – Allows the submission to be sent to another user for approval before it is sent for processing. By default, this is set to None, meaning the submission is not sent for approval. You can also select **Any Approver** or **Single Approver**. For Single Approver the form will prompt you to enter the user who will approve any requests from the form before submission.
- **Category** – Allows forms to be grouped together in a defined category to determine who can access the form. For example, you may have categories for Finance, HR and Sales so you can allow specific users access only to the forms in the category that they need to do their role. Categories are defined by entering the name of the category. Once entered, a category will be available from the drop-down.
- **Icon** – Select the image that will appear with the form in Interact to allow easy identification. You can choose one of the preloaded icons which are defined into categories: Application, Banking, Data, Education, Emotion, Food, Gadgets, Medical, Network and Security, Science and Technology, Transportation, and User Interface. Alternatively, you can load your own icon by selecting **Upload** and browsing to your icon. Icons must be a PNG, JPG or SVG file, no bigger than 256 x 266 px and 30KB in size.

3. Add the required elements to the form:

- [Pages](#)
- [Fields](#)
- [Rules](#)

4. Once all the required elements have been added, click **Save**.

The Increase minor dialog displays.

Each time you save a form the minor version increases to assist with [version control](#).

5. Enter a description for the save that will allow you to identify what changed for this minor version.

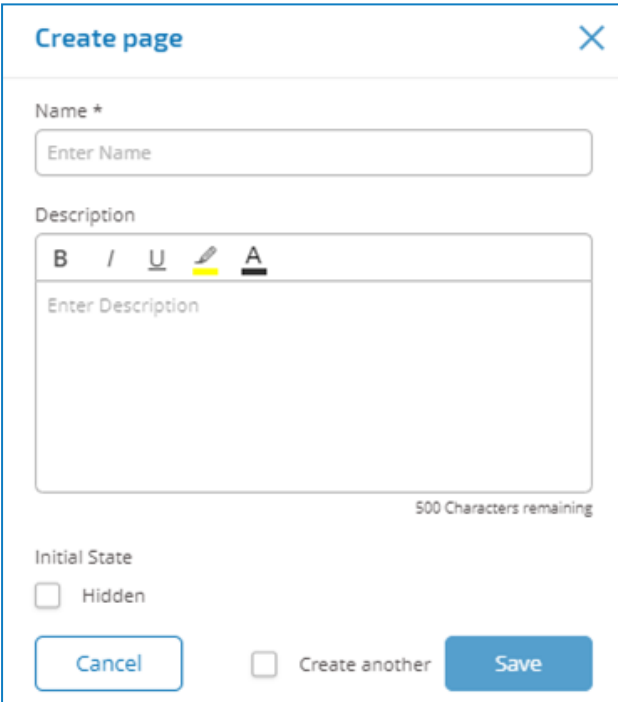
6. Click **Save**.

The Interact Form Editor displays.

## Add pages to a form

Pages are like tabs on a dialog so you can have multiple pages per form to break the amount of information required into specific sections. Or define Rules so that only specific Pages will appear when certain criteria are met.

1. From the Interact Form Editor, click **Add Page**.



The 'Create page' dialog box is shown with a blue border and a close button (X) in the top right corner. It contains the following fields and controls:

- Name \***: A text input field with the placeholder text 'Enter Name'.
- Description**: A rich text editor area with a toolbar containing icons for Bold (B), Italic (I), Underline (U), Highlight (yellow bar), and Text Color (A). Below the toolbar is a text input area with the placeholder text 'Enter Description'. At the bottom right of the description area, it says '500 Characters remaining'.
- Initial State**: A section with a checkbox labeled 'Hidden'.
- Buttons**: At the bottom, there are three buttons: 'Cancel' (light blue), 'Create another' (light blue with a checkbox), and 'Save' (dark blue).

2. Enter a name and description for the new page.

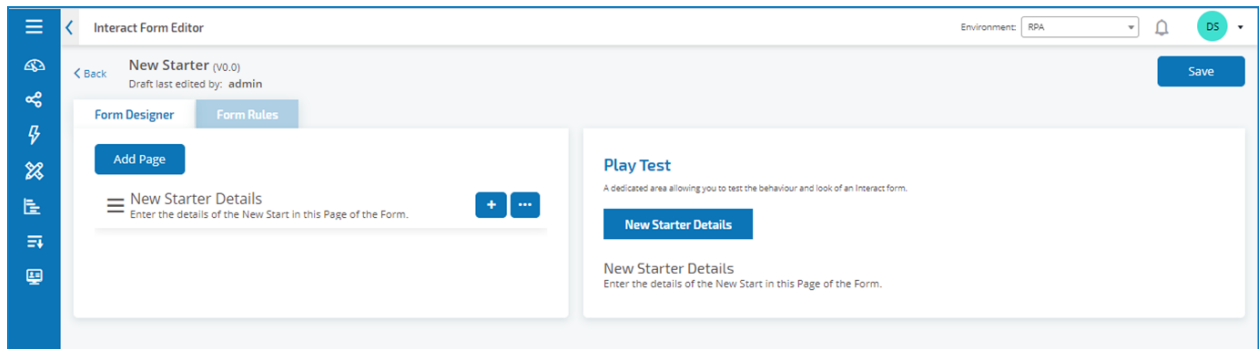
3. If required, select the **Hidden** check-box. When selected the page will only display when [certain criteria](#) is fulfilled.

4. To immediately create another page, select the **Create Another** check-box. When you save this page, the dialog will be refreshed allowing details for a new page to be entered.



## 5. Click **Save**.

The Interact Form Editor displays showing the new page.



## Add fields to a form

1. From the Interact Form Editor where a form has already been created, click the **+** button.

The Create Capture Field displays.

## 2. Complete the following fields:

Type	This is a dropdown field allowing you to select the type of field you want to add to the form, we will cover each of the types providing examples in the Types section below. The field type to add to the form. For more information about the available fields, see <a href="#">Field types</a> .
Initial State	The state that the field is set to when a user first accesses the form: <ul style="list-style-type: none"> <li>• <b>Optional</b> – Does not matter whether a user completes the field or not.</li> <li>• <b>Mandatory</b> – Must be completed by the user before the form can be submitted.</li> <li>• <b>Read-Only</b> – The field cannot be edited. This is typically used as an input from an automation where the information has been retrieved and updated so the user can review.</li> <li>• <b>Hidden</b> – The field has <a href="#">rules</a> applied so that it only appears when a predetermined condition is achieved.</li> </ul>
Label	This is the text that will appear alongside the field in the form. This is a friendly name so a user can understand what they should be entering into the field;
Automation ID	this is the name that ties to the data item within the automation. This field has a restricted format, it can only be lowercase letters and no spaces or special characters are allowed. A hyphen, '-', is allowed to represent a space. When a Label is applied an Automation ID is automatically generated using the formatting restrictions, this though is only a suggestion and can be changed if required;
Description	though this is not a mandatory field it provides the 'help text' alongside the field in the form;
Mask Data on Submission	again a non-mandatory field, but if the data that is entered is of a sensitive nature, by selecting this option once the request has been submitted the data is redacted from review.

### 3. Click **Save**.

Each field is added to the Interact Form Editor.

The screenshot shows the 'Interact Form Editor' interface. The top bar indicates the form is 'New Starter (v0.5)' and was last edited by 'Demonstrator'. The editor has two tabs: 'Form Designer' (active) and 'Form Rules'. On the left is a vertical toolbar with icons for various form elements. The main workspace shows a form structure with two sections:

- New Starter Details**: A section with the instruction 'Enter the details of the New Starter in this Page of the Form.' It contains six fields:
  - Para Label
  - First Name (Text field): 'Enter the first name of the new starter'
  - Last Name (Text field): 'Enter the last (family) name of the new starter'
  - National Insurance Number (Text field): 'National Insurance Number, e.g. AA123456C'
  - Salary (Number field): 'This is the annual amount of salary'
  - Start Date (Date field): 'Start Date for the new starter'
- Payroll Information**: A section with the instruction 'Page displaying the Payroll information once the new starter has been added.' It contains one field:
  - Employee Number (Number field): 'Employee number for entering into Payroll system'

Each field has a hamburger menu icon on the left for reordering and a three-dot menu on the right for field options. The 'Form Designer' tab is active, and the 'Form Rules' tab is also visible.

You can reorder the field using the hamburger menu for a field to drag and drop it into a new location. You can select one field to be identified as the key field using **Make Key Field** option. Once selected a key will appear alongside the field in the form. This information can then be used within Interact submissions as a filter to look for particular text. For more information see [Interact user interface](#).

Only a Text or Number field type can be selected.

## Field types

There are eleven different field types listed below with examples and configurable parameters.

### Text field

The text field is the most commonly used field. It allows information data to be captured and will allow alphanumeric combinations; so, both letters and numbers are accepted.

The 'Edit capture field' dialog shows the configuration for a Text field. The 'Type' is set to 'Text'. The 'Mask Data on Submission' checkbox is unchecked. The 'Initial State' is set to 'Mandatory'. The 'Label' is 'Input Text Field'. The 'Automation ID' is 'input-text'. The 'Description' is 'An example Input Text Field'. The 'Placeholder' is 'Enter Placeholder'. The 'Simple' tab is selected for restrictions, with 'Minimum characters length' set to 2 and 'Maximum Character Length' set to 'Enter Maximum Character Length'. The 'Allowed characters' are set to 'A-Z'. The 'Non-Allowed Characters' field is empty. The 'Initial Value' field is 'Enter Initial Value'. The 'Cancel' and 'Save' buttons are at the bottom.

In the example above we have made the field mandatory and set a minimum limit of two characters but no maximum limit on the number of characters entered. We have though restricted the field to upper case characters by applying a Simple character restriction. Using the Regex function you can create a complex character string restriction. If we take the UK National Insurance Number as an example, we can apply the Regex that will ensure that the correct format is always entered, if not a warning message will be given.

The 'Edit capture field' dialog shows the configuration for a Text field. The 'Type' is set to 'Text'. The 'Mask Data on Submission' checkbox is unchecked. The 'Initial State' is set to 'Mandatory'. The 'Label' is 'National Insurance Number'. The 'Automation ID' is 'ni-number'. The 'Description' is 'National Insurance Number, e.g. AA123456C'. The 'Placeholder' is 'Enter Placeholder'. The 'Regex' tab is selected for restrictions. The 'Regex' field contains the pattern: `^(?!(BG|GB|NK|KN|TN|NT|ZZ)[A-CEGHJ-PR-TW-Z][A-CEGHJ-NPR-TW-Z](?:\s*(2))?(3)\s*[A-D])$`. The 'Validation error message' is 'Invalid National Insurance Number'. The 'Initial Value' field is 'Enter Initial Value'. The 'Cancel' and 'Save' buttons are at the bottom.

Using this to test the character string restriction in the Play Test area we can see a correct and incorrect format submitted.

**Play Test**  
A dedicated area allowing you to test the behaviour and look of an Interact form.

**New Starter Details**

**New Starter Details**  
Enter the details of the New Starter in this Page of the Form.  
National Insurance Number \*  
National Insurance Number, e.g. AA123456C

**Play Test**  
A dedicated area allowing you to test the behaviour and look of an Interact form.

**New Starter Details**

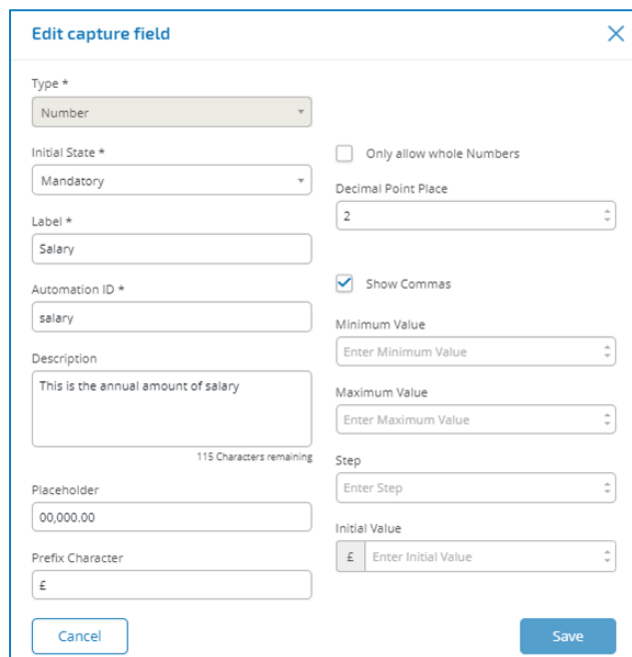
**New Starter Details**  
Enter the details of the New Starter in this Page of the Form.  
National Insurance Number \*  
National Insurance Number, e.g. AA123456C  
  
Invalid National Insurance Number

Mask Data on Submission is only available within the text field. Therefore, if you want to submit a number and redact the content after submission then use a text field to input rather than a number field.

## Number field

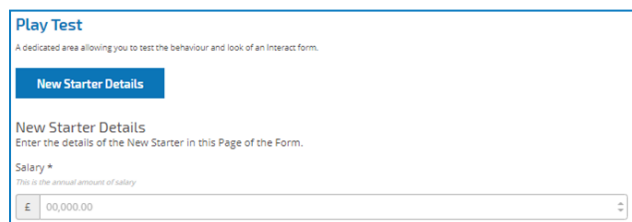
The number field restricts the entry to numerical characters only. The field does support the use of the ‘.’ As a decimal point and the ‘,’ for the thousand’s separator. If the number is a financial number, you can use the prefix character to apply any applicable currency symbol. Additionally, you can force the use of the ‘,’ as the number is typed by selecting the ‘Show Commas’ option. Finally, you can assign a minimum and/or a maximum value to the number if appropriate.

Multiple countries use decimal comma rather than a decimal point as a separator. If this is required it is recommended that a text field is used to define the applicable format rather than a number field.



The 'Edit capture field' dialog shows the configuration for a Number field. The 'Type' is set to 'Number'. The 'Initial State' is 'Mandatory'. The 'Label' is 'Salary'. The 'Automation ID' is 'salary'. The 'Description' is 'This is the annual amount of salary'. The 'Placeholder' is '00,000.00'. The 'Prefix Character' is '£'. The 'Decimal Point Place' is '2'. The 'Show Commas' checkbox is checked. The 'Minimum Value' and 'Maximum Value' are set to 'Enter Minimum Value' and 'Enter Maximum Value' respectively. The 'Step' is 'Enter Step'. The 'Initial Value' is '£ Enter Initial Value'. The 'Only allow whole Numbers' checkbox is unchecked. The 'Cancel' and 'Save' buttons are at the bottom.

In the example number field above, we are showing a salary field. This captures a salary, prefixing it with the ‘£’ symbol and forcing the ‘commas’ to be applied as a thousand’s separator. In this example we have also defined a Placeholder. A Placeholder will show greyed text in the field prior to be typed into, thus a representative value can be displayed.



The 'Play Test' area shows a preview of the form. The 'New Starter Details' section contains a 'Salary' field. The field is labeled 'Salary' and has a description 'This is the annual amount of salary'. The field contains the value '£ 00,000.00'.

If you want to apply a specific Regex to a number then use a text field. This will enforce the format that you need. For example, the following Regex will check that a UK Mobile Telephone is entered correctly:

```
^07 ([\d]{3}) [(\D\s)]? [\d]{3} [(\D\s)]? [\d]{3}$
```

## Date field

The date field allows you to use a calendar pop-up to select a date. The date can be configured to meet specific configuration parameters.

The 'Create Capture Field' dialog box shows the configuration for a Date field. The 'Type' is set to 'Date'. The 'Initial State' is 'Optional'. The 'Label' is 'Start Date'. The 'Automation ID' is 'start-date'. The 'Description' is 'Start Date for the new starter'. The 'Date Format' is 'DD/MM/YYYY'. The 'Placeholder' is 'DD/MM/YYYY'. The 'Allow Dates' section has 'Only Future' selected. The 'Past Date Restriction' and 'Future Date Restriction' fields are empty. The 'Initial Value' is 'Today'. The 'Create another' checkbox is unchecked. The 'Save' button is highlighted.

The example shows a new starter joining date selection. We have chosen the specific format for the date as DD/MM/YYYY where there are two other options which are MM/DD/YYYY or YYYY/MM/DD. We have entered a Placeholder showing the format that the date will appear in and restricted the searching the date to only dates in the future from Today's date. If we select 'Today-' as the Initial Value you can then enter a number of 'Days from Today's Date' which restricts the calendar to commence a number of days past. Additionally, using the 'Past Date Restriction' or 'Future Date Restriction' you can create a 'window' on the dates that the user of the form can access, for example setting 14 days will create a window of just 14 days that the user can access.

When using the 'Past Date Restriction' or 'Future Date Restriction' field in conjunction with 'Today-' or 'Today+' then the date restriction must include the total number of days. The number of days for the window and the number of days past or future. When reviewing the output, the user will see a pop-up calendar that they can use to select the date they require.

The 'Play Test' area shows a form titled 'New Starter Details'. The 'Start Date' field is highlighted, and a calendar pop-up is displayed. The calendar shows the date 04/03/2020. The calendar is for March 2020, with the 4th of March selected. The 'Today' button is visible at the bottom of the calendar.

## Time field

The time field allows the user to select from dropdown menu a particular time. The format for the time is a 12-hour clock and allows the user to select either AM or PM.

The images below show the date field capture properties and an example display within a form.

The image displays two screenshots from the Blue Prism software interface. The left screenshot shows the 'Create Capture Field' dialog box. It contains the following fields: 'Type \*' with a dropdown menu set to 'Time'; 'Initial State \*' with a dropdown menu set to 'Optional'; 'Label \*' with a text box containing 'Start Time' and a help icon; 'Automation ID \*' with a text box containing 'start-time'; 'Description' with a text box containing 'Enter the Start time for the new starter' and a character count of '110 Characters remaining'; and 'Initial Value' with a text box containing 'Enter Initial Value'. At the bottom are 'Cancel', 'Save' (with a refresh icon), and 'Create another' buttons. The right screenshot shows a 'Play Test' window for a form titled 'New Starter Details'. It includes a 'New Starter Details' button, a description 'Enter the details of the New Starter in this Page of the Form.', and a 'Start Time \*' field. The 'Start Time \*' field has a dropdown menu showing '12:00:00 PM' and a time picker below it with fields for hour (12), minute (00), second (00), and AM/PM.



## Upload field

The upload field allows a file or image to be parsed into an automation for further processing. The transfer is for any formats except for executable files with a .exe file extension.

Files are stored within 'blob' storage and a URL is included in the collection sent to the Blue Prism Queue. An example upload field is shown below.

In the example below the Interact user will be allowed to upload a CV of the new starter. The document that is uploaded can in PDF, Microsoft Word, or Text format.

The maximum file upload size is 5Mb and the image size is restricted to 1920x1080 px.

The allowed extensions must be entered without a leading '.'.

The 'Create Capture Field' dialog box is shown with the following fields and options:

- Type \***: A dropdown menu with 'Upload' selected.
- Initial State \***: A dropdown menu with 'Mandatory' selected.
- Input Type**: Two buttons, 'File' (selected) and 'Image'.
- Label \***: A text input field containing 'Load CV'.
- Accepted Extensions (Comma Separated) \***: A text input field containing 'pdf, doc, docx, txt'.
- Automation ID \***: A text input field containing 'load-cv'.
- Max Size (Mb) \***: A text input field with a spinner set to '5'.
- Description**: A text area containing 'Upload the CV of the new starter' with a character count of '118 Characters remaining'.
- Buttons**: 'Cancel', a refresh icon, 'Create another' (disabled), and 'Save'.

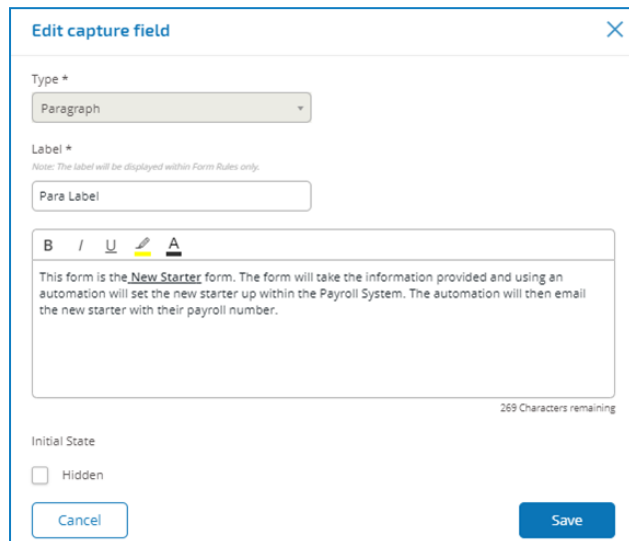
The user will see the following in the form when they are submitting a request.

The 'Play Test' form is shown with the following elements:

- Play Test**: A header with a sub-header 'A dedicated area allowing you to test the behaviour and look of an Interact form.'
- New Starter Details**: A section header with a sub-header 'Enter the details of the New Starter in this Page of the Form.'
- Load CV \***: A label with a sub-label 'Upload the CV of the new starter'.
- Upload... +**: A button to initiate the file upload process.

## Paragraph field

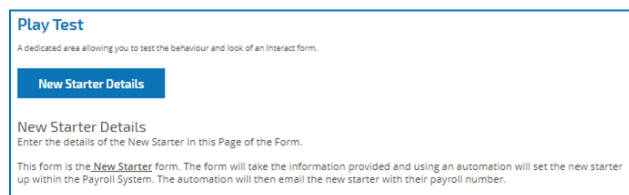
The paragraph field allows you to put formatted text onto the form so that it can provide information to the Interact user. The text is not submitted as part of a request to Blue Prism and therefore there is no Automation ID.



The 'Edit capture field' dialog box shows the configuration for a Paragraph field. The 'Type' is set to 'Paragraph'. The 'Label' is 'Para Label'. The text area contains the following text: 'This form is the New Starter form. The form will take the information provided and using an automation will set the new starter up within the Payroll System. The automation will then email the new starter with their payroll number.' The text is formatted with bold, italic, underline, and highlight. The 'Initial State' is 'Hidden'. The 'Save' button is highlighted.

You can use formatting techniques to bold, underline, italicize, and highlight text. Additionally, the text can be hidden until a [rule](#) condition is used to display.

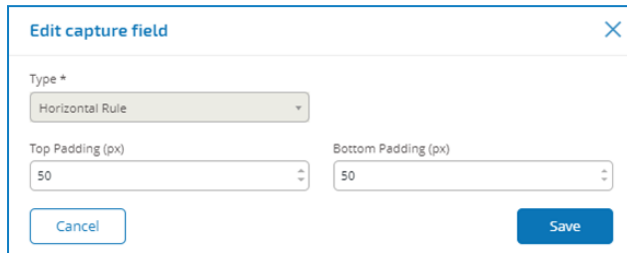
The text will appear in the form as illustrated below.



The 'Play Test' area shows the rendered form. The text is displayed as follows: 'This form is the New Starter form. The form will take the information provided and using an automation will set the new starter up within the Payroll System. The automation will then email the new starter with their payroll number.'

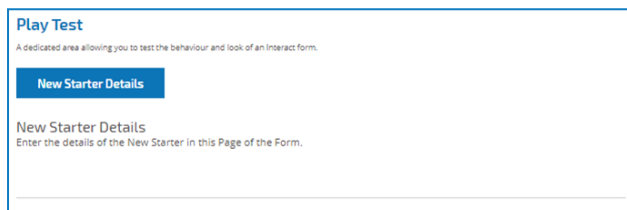
## Horizontal rule field

The horizontal rule field does not have any use within an automation it is used for ‘cosmetic’ purposes to break up large pages in a form. The horizontal rule can be padded as shown below.



The screenshot shows the 'Edit capture field' dialog box for a 'Horizontal Rule' field. It includes a 'Type' dropdown set to 'Horizontal Rule', 'Top Padding (px)' and 'Bottom Padding (px)' input fields both set to '50', and 'Cancel' and 'Save' buttons.

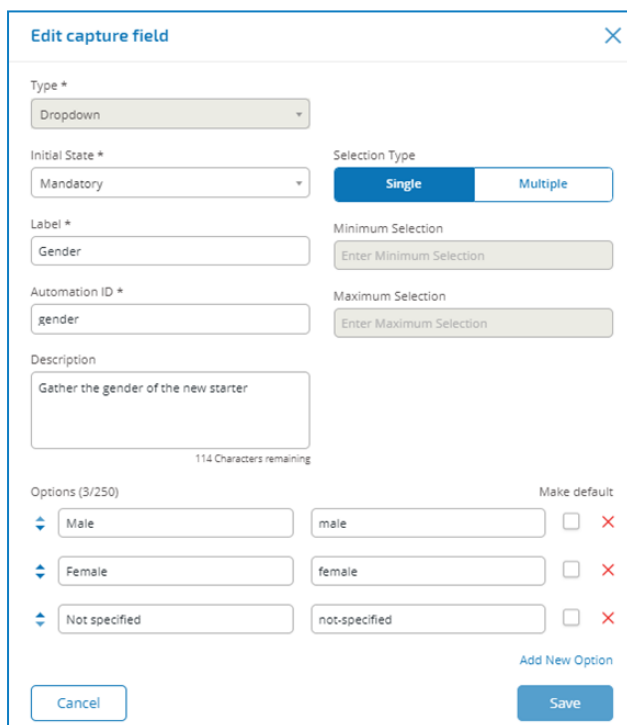
The image below shows the horizontal rule field in use.



The screenshot shows the 'Play Test' area of an Interact form. It contains a 'New Starter Details' section with a text input field and a horizontal rule field below it. The text input field has the placeholder text 'Enter the details of the New Starter in this Page of the Form.'

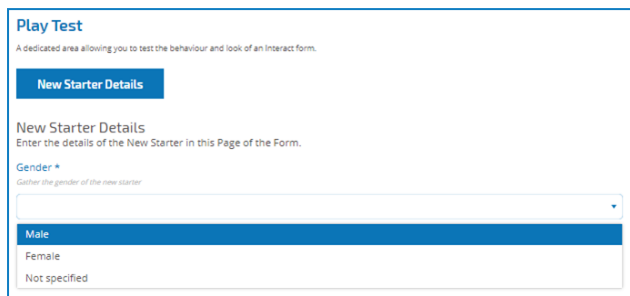
## Dropdown field

The dropdown field allows an Interact user to select either single or multiple items from a dropdown menu. An example configuration of a single selection dropdown field.

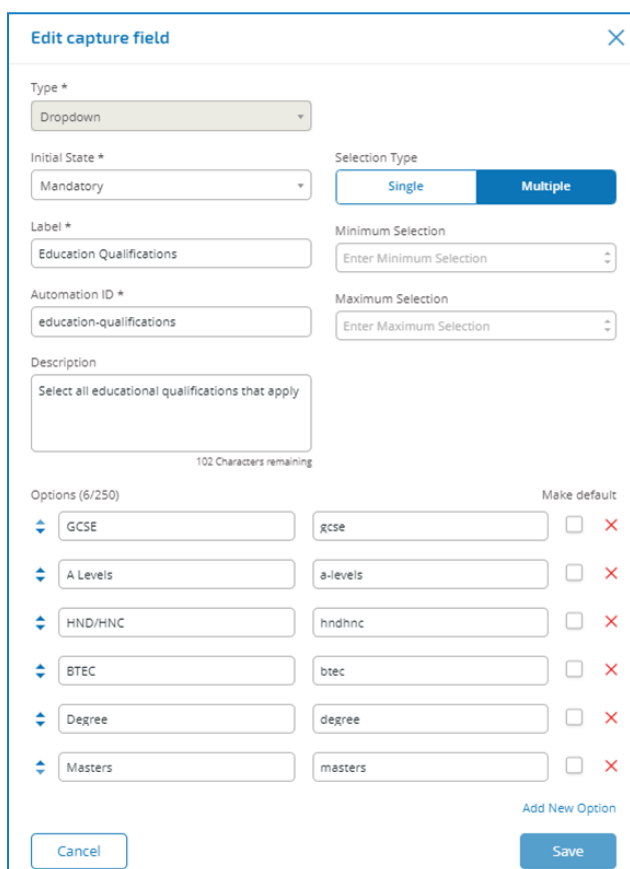


The screenshot shows the 'Edit capture field' dialog box for a 'Dropdown' field. It includes a 'Type' dropdown set to 'Dropdown', an 'Initial State' dropdown set to 'Mandatory', a 'Label' input field with 'Gender', an 'Automation ID' input field with 'gender', and a 'Description' text area with 'Gather the gender of the new starter'. The 'Selection Type' section has 'Single' and 'Multiple' buttons, with 'Single' selected. The 'Minimum Selection' and 'Maximum Selection' input fields are both set to 'Enter Minimum Selection' and 'Enter Maximum Selection' respectively. The 'Options' section shows three options: 'Male', 'Female', and 'Not specified', each with a 'Make default' checkbox and a red 'X' button. The 'Add New Option' button is at the bottom right. The 'Cancel' and 'Save' buttons are at the bottom.

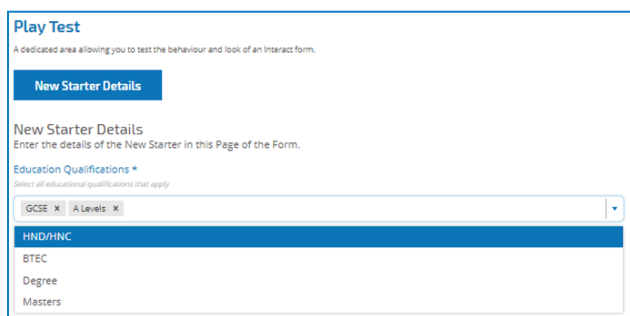
This will create the following element in the form for the user to access.



If a dropdown is created with multiple selection then a restriction on whether the user has to select a minimum or maximum number of items can be applied.



If you put the dropdown items in the wrong order you can use the arrows to the left to reorder the list. When items are chosen from the dropdown list, they will appear in the field on the form. Items selected accidentally can be removed by selecting the 'x' alongside the item. This would remove the item from the field in the form.



The radio group and checkbox group fields do a similar function to the dropdown field, which is the selection of either a single or multiple items. However, if real estate on your form is of a premium then the dropdown is the recommended route especially if there is a large quantity of items. If there are only a few items to select from and the form overall size doesn't matter, then either the radio group or checkbox group fields can be utilized.

A maximum number of 250 items can be added to a dropdown field.

## Radio group field

A radio group field like the dropdown field can be used to select a single item from a list. The difference is the display within the form. The radio group field will take more real estate on the form so if there are a large number of items that need to be selected from, then a dropdown may be a better solution. The example below shows a radio group where the user has to choose between three options.

Edit capture field

Type \*

Radio Group

Initial State \*

Mandatory

Label \*

Gender

Automation ID \*

gender

Description

Gather the gender of the new starter

114 Characters remaining

Options (3/10)

Male

male

☒

×

Female

female

☐

×

Not specified

not-specified

☐

×

Make default

Add New Option

Cancel

Save

Play Test

A dedicated area allowing you to test the behaviour and look of an Interact form.

New Starter Details

Enter the details of the New Starter in this Page of the Form.

Gender \*

Gather the gender of the new starter

Male

Female

Not specified

## Checkbox group field

The checkbox group field is used when the developer wants to allow the user to choose more than one item from a display on the form. All the items will be shown as opposed to the dropdown field where the user scrolls through a list. The checkbox group field below shows a field established where there are six options that the user can select from. However, if the field is left at single the user can only select one item, this is the same functionality as the radio group field but presents a different display.

Edit capture field

Type \*

Checkbox Group

Initial State \*

Mandatory

Selection Type

Single

Multiple

Label \*

Education Qualifications

Minimum Selection

Enter Minimum Selection

Automation ID \*

education-qualifications

Maximum Selection

Enter Maximum Selection

Description

Select all educational qualifications that apply

102 Characters remaining

Options (6/10)

GCSE

gcse

☐

×

A Levels

a-levels

☐

×

HND/HNC

hndhnc

☐

×

BTEC

btec

☐

×

Degree

degree

☐

×

Masters

masters

☐

×

Make default

Add New Option

Cancel

Save

Play Test

A dedicated area allowing you to test the behaviour and look of an Interact form.

New Starter Details

New Starter Details

Enter the details of the New Starter in this Page of the Form.

Education Qualifications \*

Select all educational qualifications that apply

☒ GCSE

☐ A Levels

☐ HND/HNC

☐ BTEC

☐ Degree

☐ Masters

If multiple is the chosen option, the user can select multiple items from the display. However, the developer can restrict the number chosen by setting a minimum and maximum selection value.

The screenshot displays the 'Edit capture field' dialog box and a 'Play Test' preview. The dialog box is used to configure a 'Checkbox Group' field. It includes fields for 'Type' (set to 'Checkbox Group'), 'Initial State' (set to 'Mandatory'), 'Label' (set to 'Education Qualifications'), and 'Automation ID' (set to 'education-qualifications'). The 'Selection Type' is set to 'Multiple'. The 'Minimum Selection' is set to 1, and the 'Maximum Selection' is set to 4. A description field contains the text 'Select all educational qualifications that apply' with a character count of 102. Below these fields is a table of options for educational qualifications, each with a 'Make default' checkbox and a delete icon (X).

Options (6/10)	Value	Make default
GCSE	gcse	<input type="checkbox"/>
A Levels	a-levels	<input type="checkbox"/>
HND/HNC	hndhnc	<input type="checkbox"/>
BTEC	btec	<input type="checkbox"/>
Degree	degree	<input type="checkbox"/>
Masters	masters	<input type="checkbox"/>

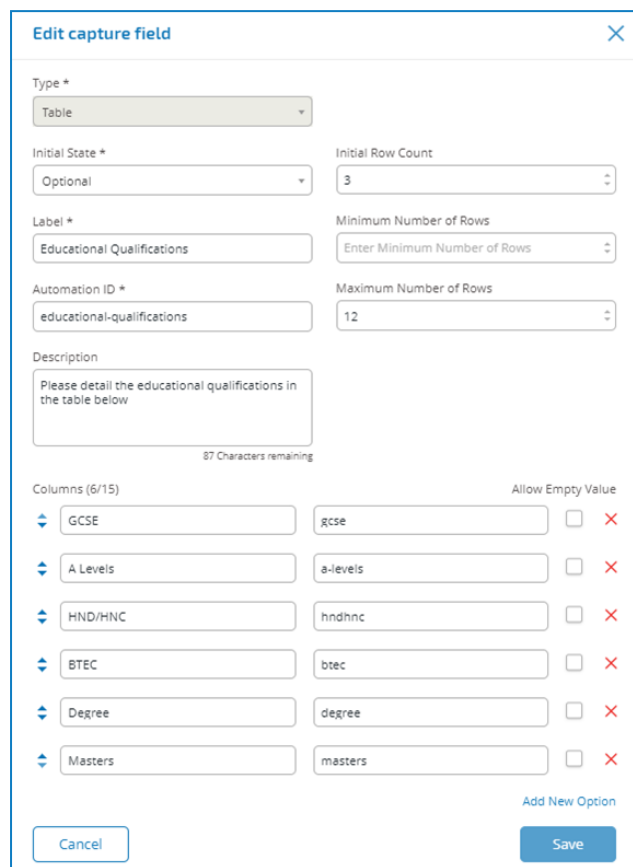
Buttons: Cancel, Save, Add New Option.

The 'Play Test' preview shows a form titled 'New Starter Details' with a section for 'Education Qualifications \*'. It displays a list of checkboxes for the same qualifications as the dialog, with the first four (GCSE, A Levels, HND/HNC, BTEC) checked. A red error message at the bottom states: 'Please, select maximum 4 options.'

A maximum number of 10 items can be added to a checkbox group field.

## Table field

The table field allows you to enter a table within in a form that can be used to collect data.



**Edit capture field**

Type \*  
Table

Initial State \*  
Optional

Initial Row Count  
3

Label \*  
Educational Qualifications

Minimum Number of Rows  
Enter Minimum Number of Rows

Automation ID \*  
educational-qualifications

Maximum Number of Rows  
12

Description  
Please detail the educational qualifications in the table below  
87 Characters remaining

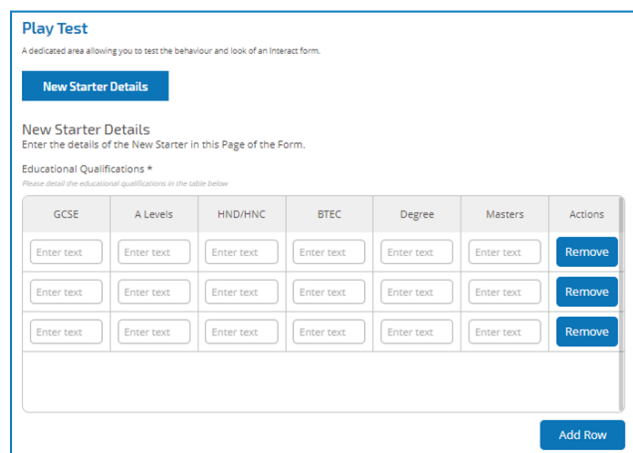
Columns (6/15) Allow Empty Value

GCSE	gcse	<input type="checkbox"/>	X
A Levels	a-levels	<input type="checkbox"/>	X
HND/HNC	hndhnc	<input type="checkbox"/>	X
BTEC	btec	<input type="checkbox"/>	X
Degree	degree	<input type="checkbox"/>	X
Masters	masters	<input type="checkbox"/>	X

Cancel Save Add New Option

In this example we are collecting education qualifications and we would expect the user to type into the field the qualifications they have at the appropriate level.

We have started with an initial row count of three rows and the maximum rows that a user can go to we have set as 12 rows. This displays the following.



**Play Test**  
A dedicated area allowing you to test the behaviour and look of an Interact form.

**New Starter Details**  
Enter the details of the New Starter in this Page of the Form.

Educational Qualifications \*  
Please detail the educational qualifications in the table below

GCSE	A Levels	HND/HNC	BTEC	Degree	Masters	Actions
Enter text	Enter text	Enter text	Enter text	Enter text	Enter text	Remove
Enter text	Enter text	Enter text	Enter text	Enter text	Enter text	Remove
Enter text	Enter text	Enter text	Enter text	Enter text	Enter text	Remove

Add Row

The use of the initial state is important. If you set the table field to a state of 'mandatory' and you specify a table of 6 columns by 3 rows, then the user will need to fill in every cell in the table with a value before the request can be submitted. This could be a requirement, but the use of the optional state may be better in most table fields. However, you can use the mandatory state in combination with setting a column to allow 'blank' values within the column. This is performed by selecting the 'allow empty value' alongside the column you will allow 'blank' values.



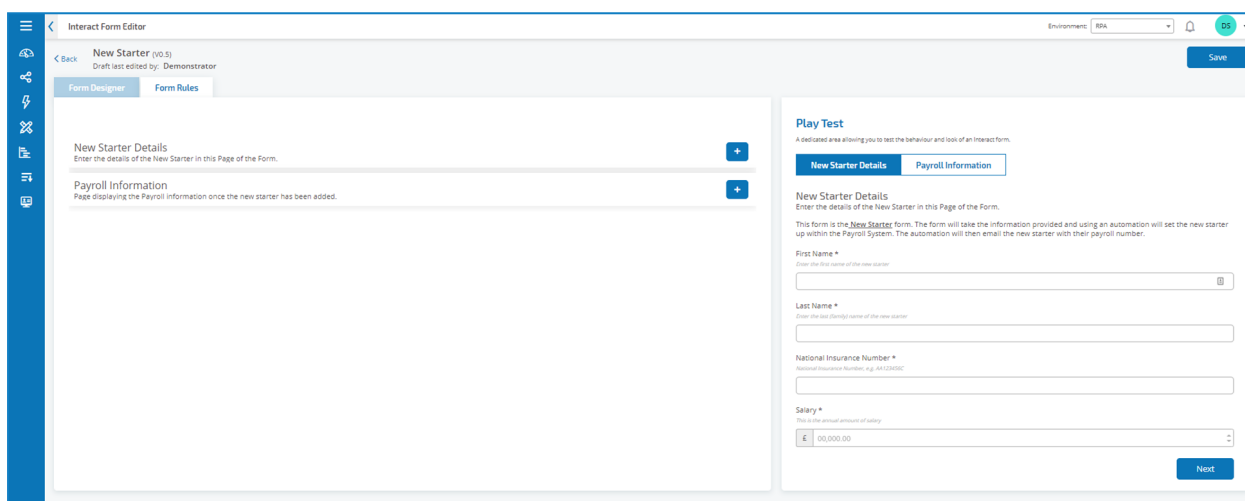
## Rules

Rules enable the developer to control the form and activate different fields or pages depending on whether specified conditions are met. Using the Play Test area rules can be tested prior to releasing the form for normal user usage.

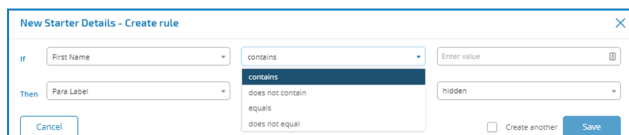
The inbuilt rule which is enforced in the Interact user interface, where you cannot move to a new page if there are mandatory fields that need to be completed on the current page, does not apply in the Play Test area. To apply Form Rules, select the tab alongside the Form Designer tab in the Interact Form Editor.

### Add rules for a page

1. From the Interact Form Editor, select the **Form Rules** tab.



2. Click the + button for the page you want to create rules for.  
The Create rules screen displays.

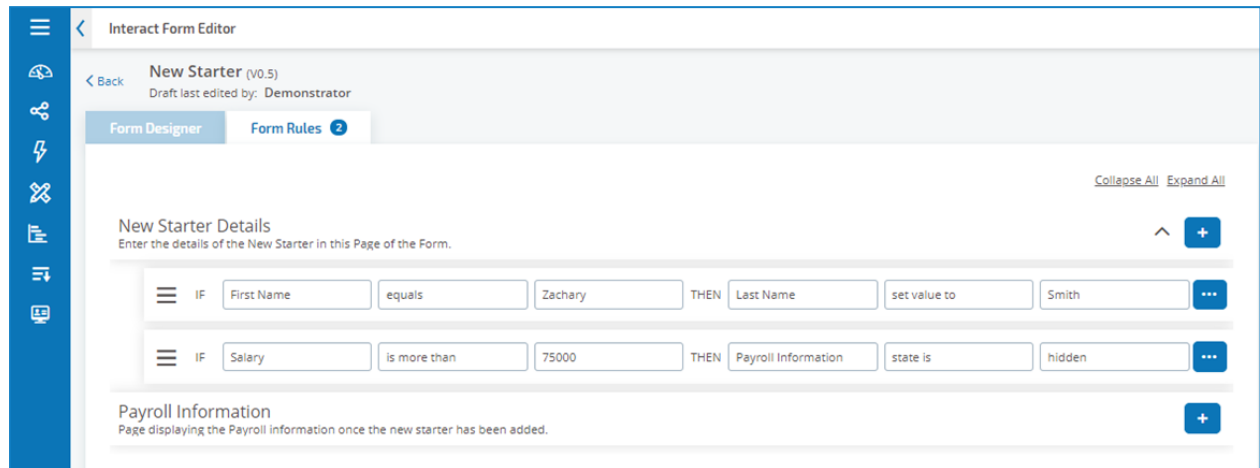


Rules are created based on a typical 'If' 'Then' statements, so if a specific condition is met, then a defined action defined is performed. The 'If' condition is dependent on the field type and the options for the rules will vary on specific field types. For example, for a text field the conditions for the 'If' are displayed.

3. Configure the If statement:
  - a. Select the field/page – In the If field, select the subject of the rule. This will be one of the fields from the associated page.
  - b. Select the condition – The validation to perform on the field: contains, does not contain, etc.
  - c. Select the value – The consequence of the clause being met, such as setting a field to be hidden
4. Configure the Then statement:
  - a. Select the field/page – In the Then field, select the field or page that is impacted by the If statement being true.
  - b. Select the condition – The action to take on the Then clause: set value to, state is, etc.
  - c. Select the outcome – The new value or state of the field or page in the Then statement.

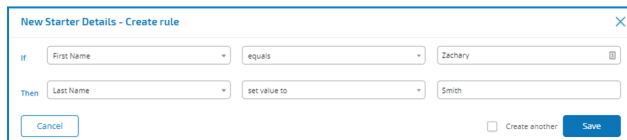
5. Click **Save** to add the rule.

If Create another is selected, the dialog refreshes to allow a new rule to be configured, otherwise the Interact For Editor displays with the rules displaying under the associated page. From here, rules can be deleted and edited.

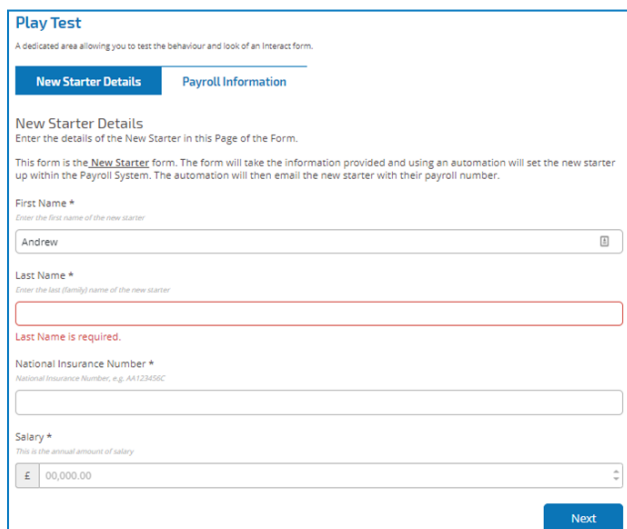
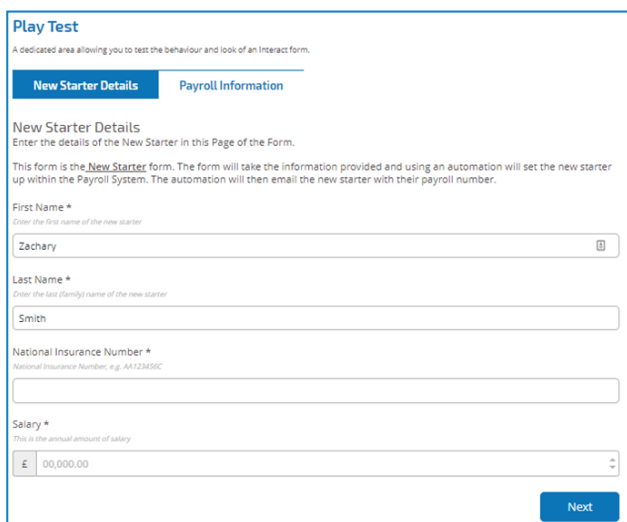


## Example rules

To show how Rules operate we have created an example where if the First Name field is set to *Zachary* then the Last Name will always be set to *Smith*.



Going to the Play Test area we can now test this Rule. If we attempt to use *Andrew* in the First Name field and then click in the Last Name field, then click outside of the field we get a warning that the *Last Name is required*. However, if we put in the 'First Name' field 'Zachary' then click in the 'Last Name' field then 'Smith' is automatically added.

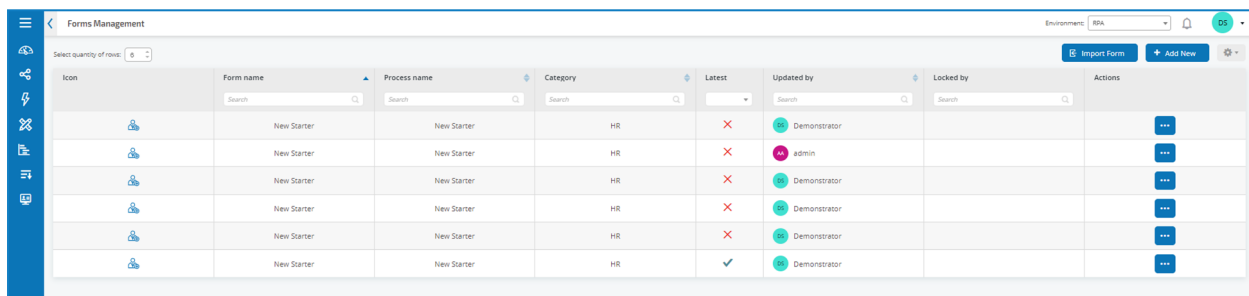
Within rules it is also possible to hide and unhide a field dependent on the initial state the pages in a form. The following rule hides the Payroll Information page if the salary is over £75,000.



## Version control

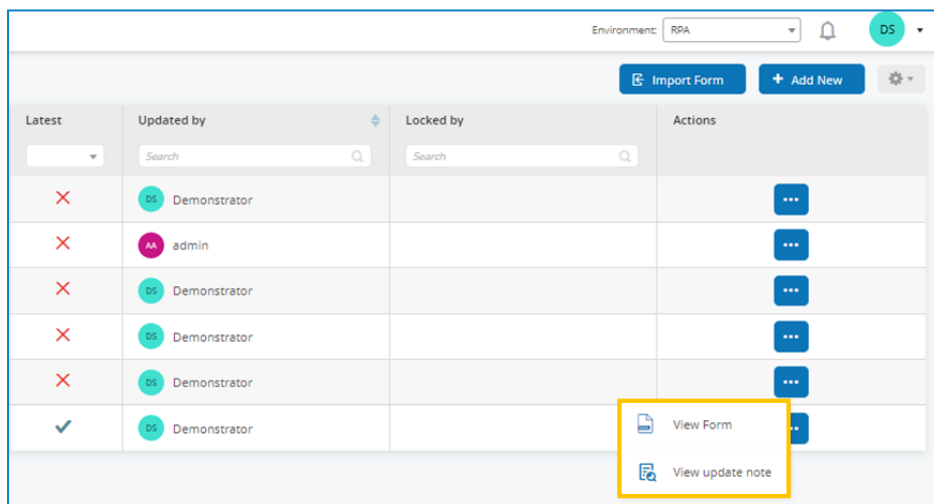
Forms are subject to version control to assist during development. Each time a form is saved the minor version is incremented and annotated with the entered description for ease of identification.

To view all the minor versions of a form in Forms Management section, remove the filter from the Latest column. All versions display and a tick in the Latest column denotes which is the most recent of those versions.



Icon	Form name	Process name	Category	Latest	Updated by	Locked by	Actions
	New Starter	New Starter	HR	X	Demonstrator		...
	New Starter	New Starter	HR	X	admin		...
	New Starter	New Starter	HR	X	Demonstrator		...
	New Starter	New Starter	HR	X	Demonstrator		...
	New Starter	New Starter	HR	X	Demonstrator		...
	New Starter	New Starter	HR	✓	Demonstrator		...

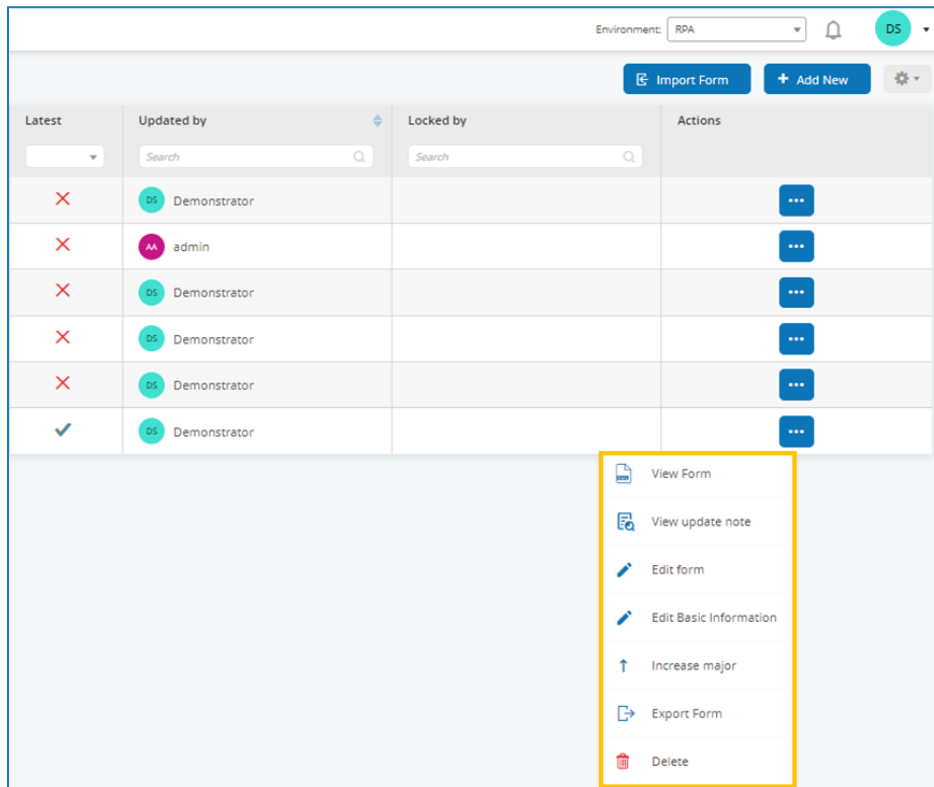
For the earlier versions you can select to **View Form** or **View Update Note**.



Latest	Updated by	Locked by	Actions
X	DS Demonstrator		...
X	AA admin		...
X	DS Demonstrator		...
X	DS Demonstrator		...
X	DS Demonstrator		...
✓	DS Demonstrator		<div>  View Form            View update note         </div>

For the latest version of a form you can choose from the following:

- **View Form** – Displays the form and the Play Test area but you cannot edit or make changes to the Form.
- **View Update Note** – Displays the associated update note.
- **Edit Form** – Allows you to continue editing the form.
- **Edit Basic Information** – Allows the basic details associated with the form to be updated.
- **Increase Major** – Increases the form to a major version.
- **Export Form** – Exports the Form in a BPFORM file format for importing into another system.
- **Delete** – Delete the latest version of the form.

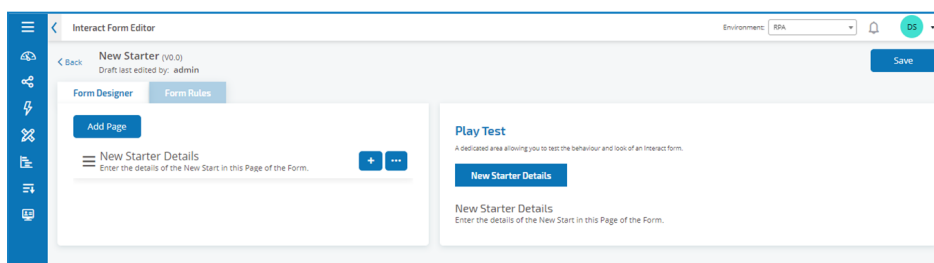


The screenshot shows the 'Interact Form Editor' interface. At the top, there's a header with 'Environment: RPA' and a 'DS' status indicator. Below the header, there are buttons for 'Import Form' and 'Add New'. The main area contains a table with columns: 'Latest', 'Updated by', 'Locked by', and 'Actions'. The table lists several form versions, with the latest version marked with a checkmark. A dropdown menu is open, showing actions: 'View Form', 'View update note', 'Edit form', 'Edit Basic Information', 'Increase major', 'Export Form', and 'Delete'.

Latest	Updated by	Locked by	Actions
✗	DS Demonstrator		...
✗	MA admin		...
✗	DS Demonstrator		...
✗	DS Demonstrator		...
✗	DS Demonstrator		...
✓	DS Demonstrator		...

## Test a form

The right hand pane of the Interact Form Editor screen is the test area where you can view the form as it will look to Interact users. It allows you to test and verify that any rules or field restrictions work as required.

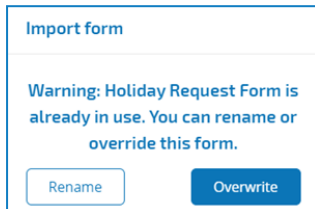


The screenshot shows the 'Interact Form Editor' interface. The left pane is titled 'Form Designer' and shows a 'New Starter' form with a 'New Starter Details' section. The right pane is titled 'Play Test' and shows a 'New Starter Details' section. The 'Play Test' pane is described as a 'dedicated area allowing you to test the behaviour and look of an Interact form'.

## Import a form

Forms that have been previously exported from this or another Interact system can be imported to save having to recreate forms that have already been developed.

1. In the Forms Management screen, click **Import Form** and navigate to the required exported form.
2. If the form already exists in your Interact system, you must select whether to rename or overwrite the existing form.



The screenshot shows a dialog box titled "Import form". Inside, there is a warning message: "Warning: Holiday Request Form is already in use. You can rename or override this form." Below the message are two buttons: "Rename" (a light blue button) and "Overwrite" (a dark blue button).

If importing a form that doesn't already exist the form will get added with no prompt to override. A business process has to exist before you can select Add New. If the button is greyed out, then there are no available business processes to create a Form for. You can only have one form associated with a business process. See the Hub Automation Lifecycle Management User Guide for more details.

3. Select the required option:

- **Overwrite** – The Import Form dialog displays. The dialog is the same as the edit or create form dialogs where a description, delivery method, default approval type, update note, category, and icon can be added.
- **Rename** – The same Import Form dialog displays. As it is a rename, the required business process to which the form will be assigned must additionally be selected.

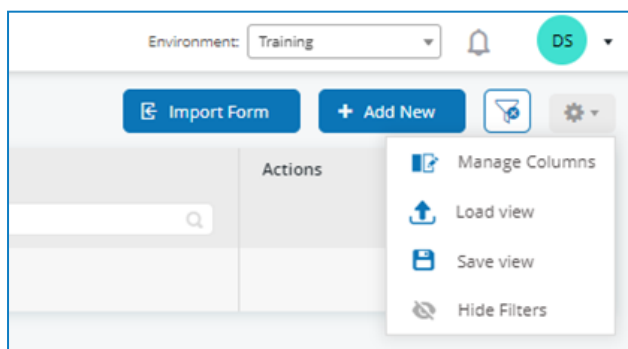
If there are not any Business Processes available that do not have a Form associated with them already, then you will not be able to Import the Form.

The screenshot shows the 'Import Form' dialog box. It has a title bar with a close button. The main area contains several sections: 'Import Form \*' with a text input field containing 'Holiday Request Form.bpform'; 'Business Process \*' with a dropdown menu showing 'HR\_Holiday Request Form'; 'Name \*' with a text input field containing 'Holiday Request Form'; 'Description \*' with a large text area containing 'Enter Description' and a '250 Characters remaining' indicator; 'Delivery Method \*' with a note 'You need to choose at least one delivery method' and two checkboxes for 'Queue' and 'Email'; 'Default Approval Type \*' with a dropdown menu showing 'None' and a note 'Note: Settings can be overridden when creating Form Rules'; 'Update Note \*' with a rich text editor containing 'Enter Update Note' and a '500 Characters remaining' indicator; and 'Category \*' with a dropdown menu.

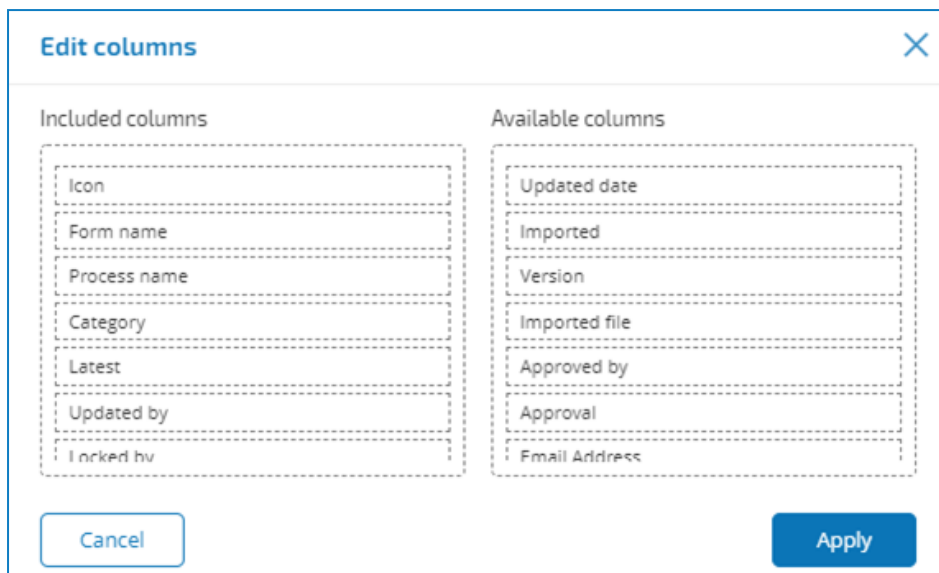
4. Click **Save** to complete the import.

## Forms management settings

Like most of the displays within the Hub plugins the view can be tailored to a specific requirement. This is done by selecting the cog in the top right of the Forms Management display.



By selecting Manage Columns you can add or remove columns to create a view that is tailored to their requirements. There are additional columns that can be added to the default display.



**Edit columns**

Included columns

- Icon
- Form name
- Process name
- Category
- Latest
- Updated by
- Locked by

Available columns

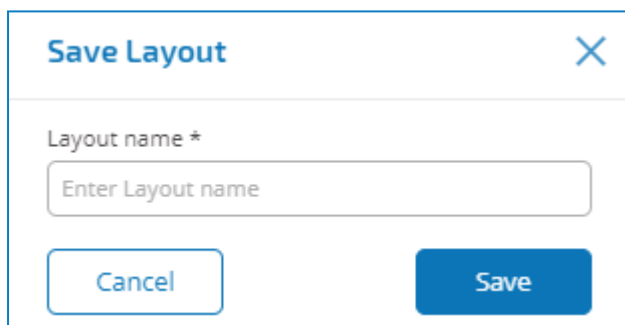
- Updated date
- Imported
- Version
- Imported file
- Approved by
- Approval
- Email Address

Cancel Apply

Once the required columns have been selected, the view can be saved so it can be easily applied when required.

Select **Save View** from the settings cog.

Enter a name for the layout and click **Save**.



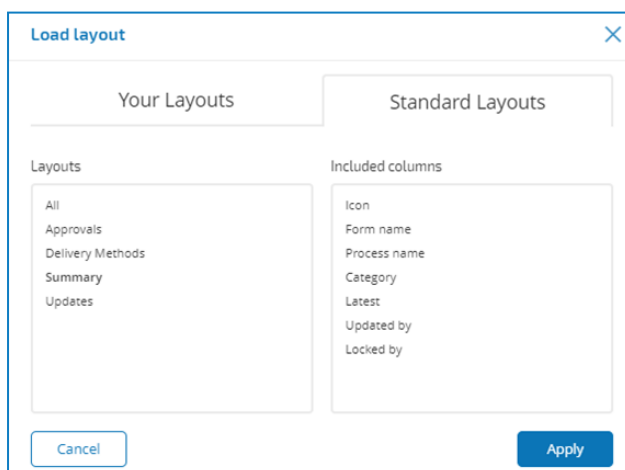
**Save Layout**

Layout name \*

Enter Layout name

Cancel Save

Layouts are applied by selecting **Load View** from the settings cog. You can choose from the pre-existing Standard Layouts or, where you have created your own layouts, from Your Layouts.



**Load layout**

Your Layouts Standard Layouts

Layouts

- All
- Approvals
- Delivery Methods
- Summary
- Updates

Included columns

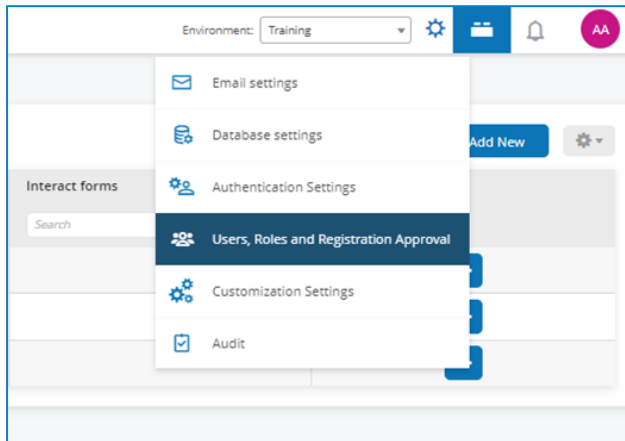
- Icon
- Form name
- Process name
- Category
- Latest
- Updated by
- Locked by

Cancel Apply

## Deploying forms

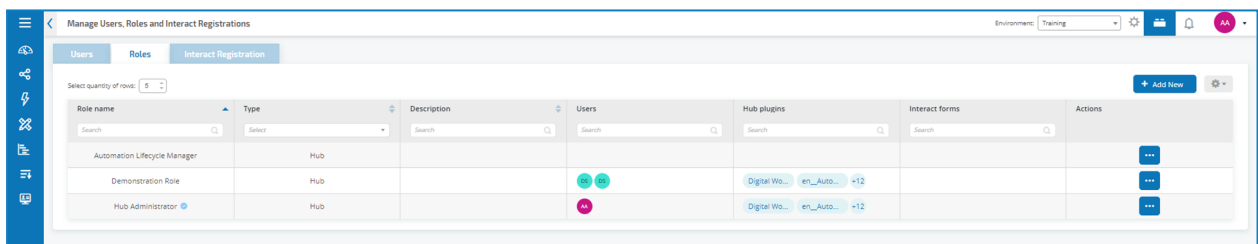
Once a form has been created for use in the Interact user interface the form must be assigned to a role to make it available to the required users. This task can only be created by an individual who has Administrative privileges.

1. In the Interact administrator interface select **Users, Roles and Registration Approval** from the settings cog.



The Manage Users, Roles and Interact Registration screen displays.

2. Select the **Roles** tab.

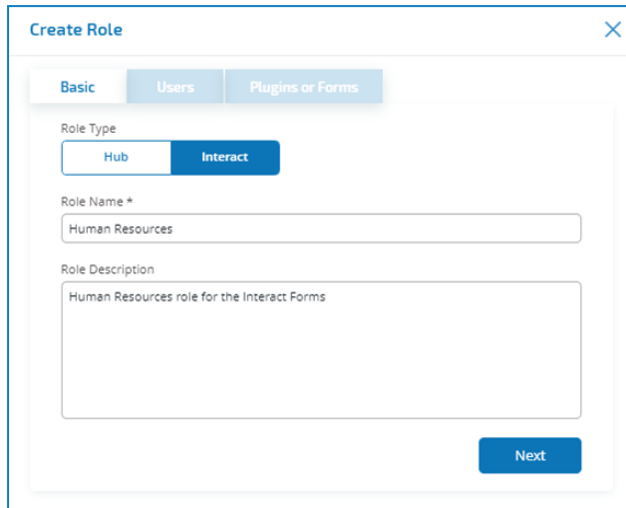


3. Click **Add New** to create a new role.

A screenshot of the 'Create Role' dialog box. It has three tabs: 'Basic' (selected), 'Users', and 'Plugins or Forms'. Under the 'Basic' tab, there's a 'Role Type' section with 'Hub' and 'Interact' buttons. Below that is a 'Role Name \*' field with the placeholder text 'Enter Role Name'. Then there's a 'Role Description' field with the placeholder text 'Enter Role Description'. At the bottom right, there's a 'Next' button.

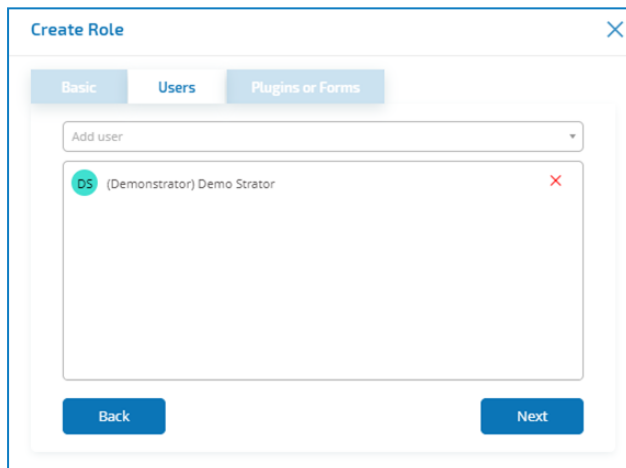


4. Select the Interact role type and enter a role name and description.



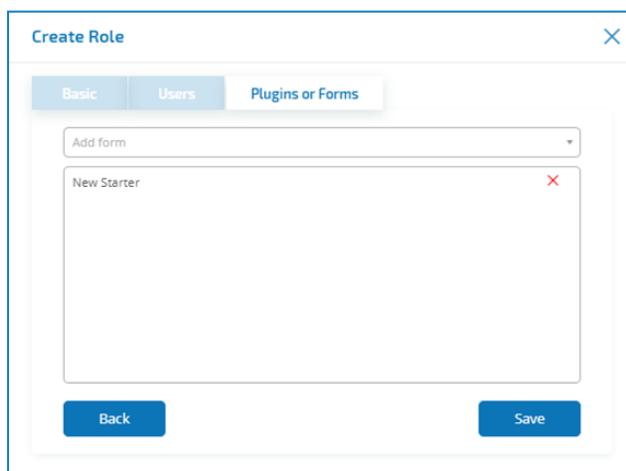
The 'Create Role' dialog box is shown with the 'Basic' tab selected. It features three tabs: 'Basic', 'Users', and 'Plugins or Forms'. Under 'Role Type', the 'Interact' button is selected. The 'Role Name' field contains 'Human Resources' and the 'Role Description' field contains 'Human Resources role for the Interact Forms'. A 'Next' button is at the bottom right.

5. Click **Next**.
6. Select the user(s) you want to add to the role.



The 'Create Role' dialog box is shown with the 'Users' tab selected. It features a search bar labeled 'Add user' and a list of users. One user, '(Demonstrator) Demo Strator', is selected. A 'Back' button is at the bottom left and a 'Next' button is at the bottom right.

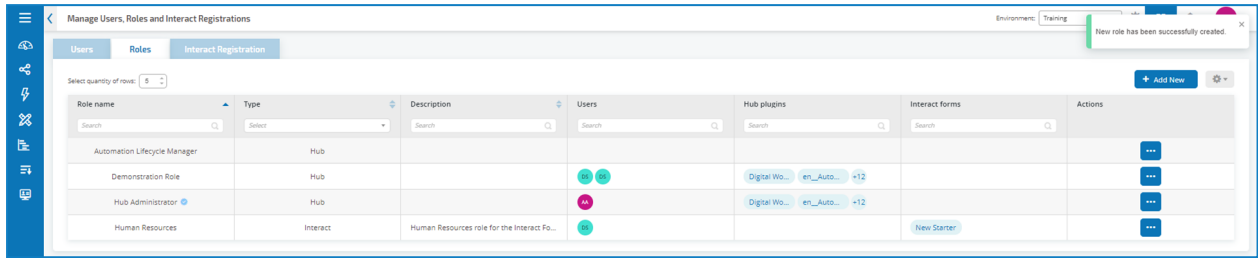
7. Click **Next**.
8. Select the form(s) that you want to add to the role.



The 'Create Role' dialog box is shown with the 'Plugins or Forms' tab selected. It features a search bar labeled 'Add form' and a list of forms. One form, 'New Starter', is selected. A 'Back' button is at the bottom left and a 'Save' button is at the bottom right.

## 9. Click **Save**.

The new role displays in the Roles section of the Manage User, Roles and Interact Registration screen and is accessible from the Interact user interface for the selected users.



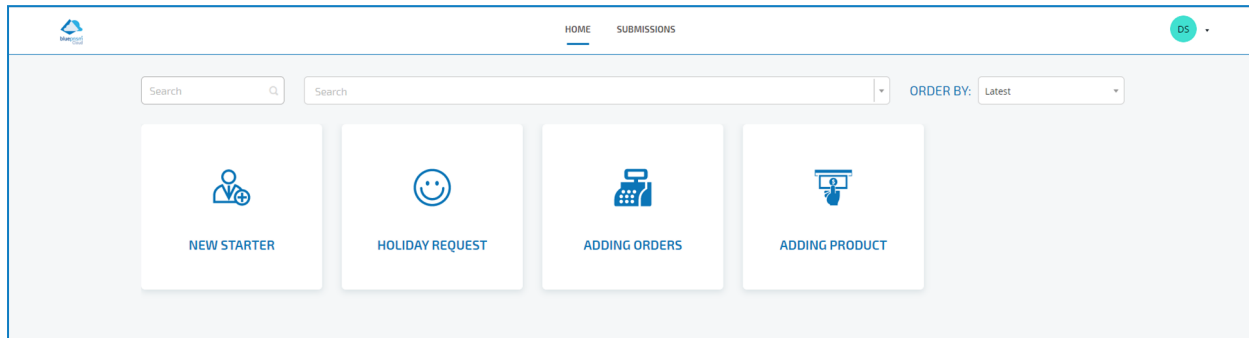
The screenshot shows the 'Manage Users, Roles and Interact Registrations' interface. The 'Roles' tab is active. A table lists the following roles:

Role name	Type	Description	Users	Hub plugins	Interact forms	Actions
Automation Lifecycle Manager	Hub					...
Demonstration Role	Hub		10 12	Digital Wo... en_Auto... +12		...
Hub Administrator	Hub		10	Digital Wo... en_Auto... +12		...
Human Resources	Interact	Human Resources role for the Interact Po...	10		New Starter	...

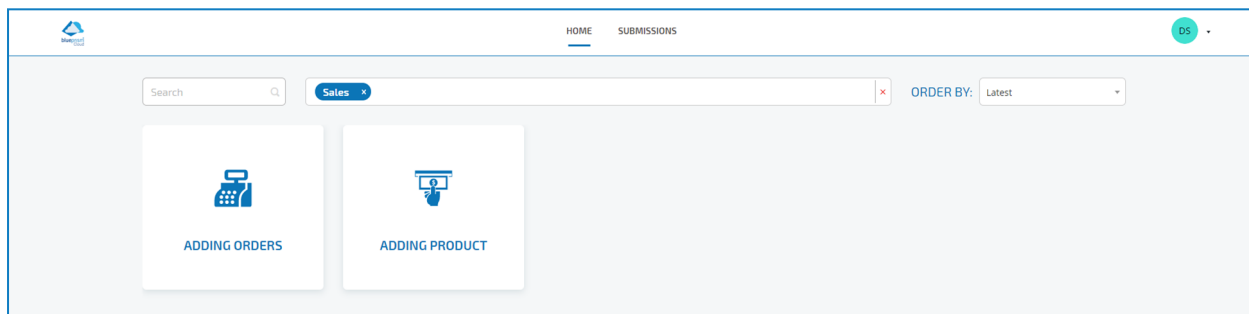
A notification at the top right states: 'New role has been successfully created.'

## Interact user interface

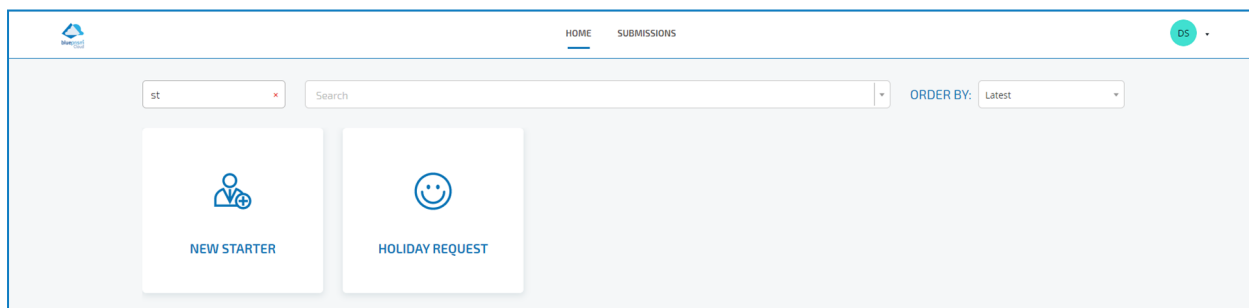
When you first log onto the Interact user interface a list of all of the Interact forms that you have been given permission to access displays.



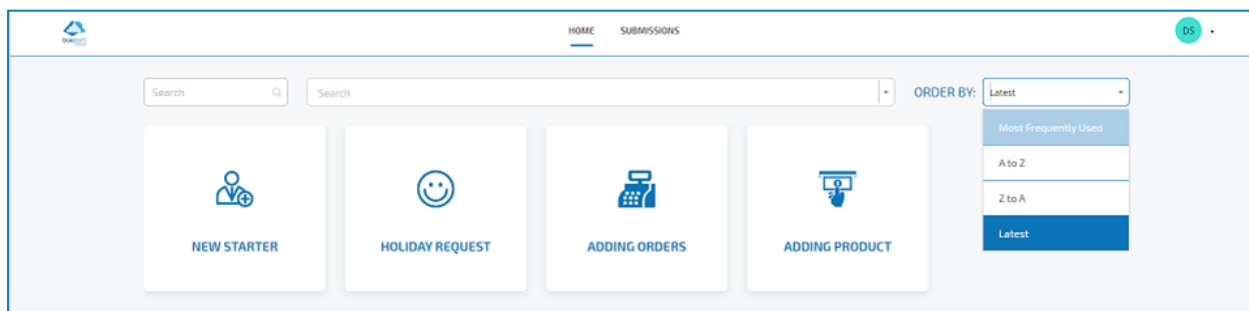
These can be grouped via the categories that were defined in the Users, Roles, and Registration section of Hub by selecting a category from the search bar at the top.



Similarly, if you know the name of the form you can start typing the name of a form in the search field to locate it.

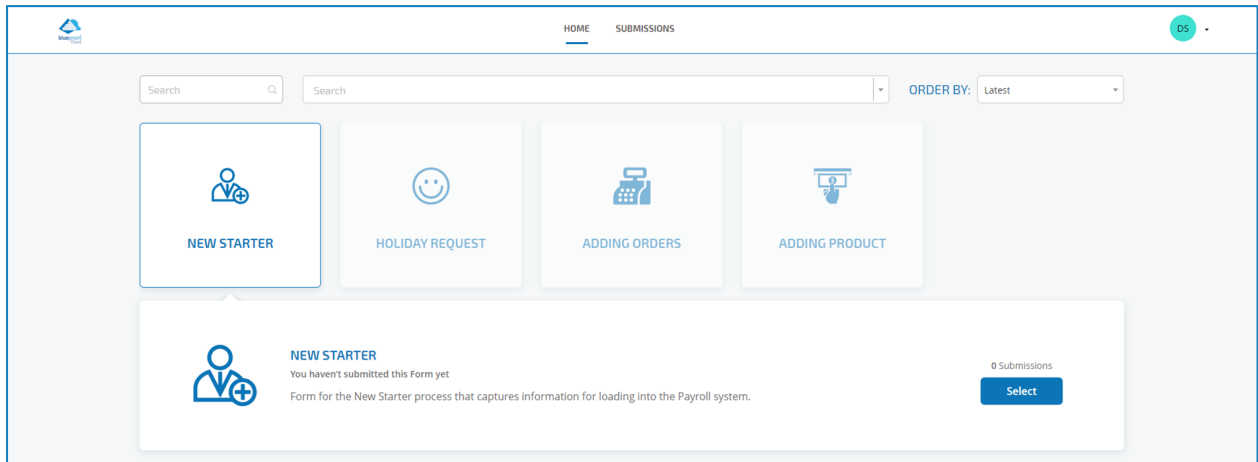


Finally, you can sort the order that the forms are displayed in by selecting a display order using the Order By field:

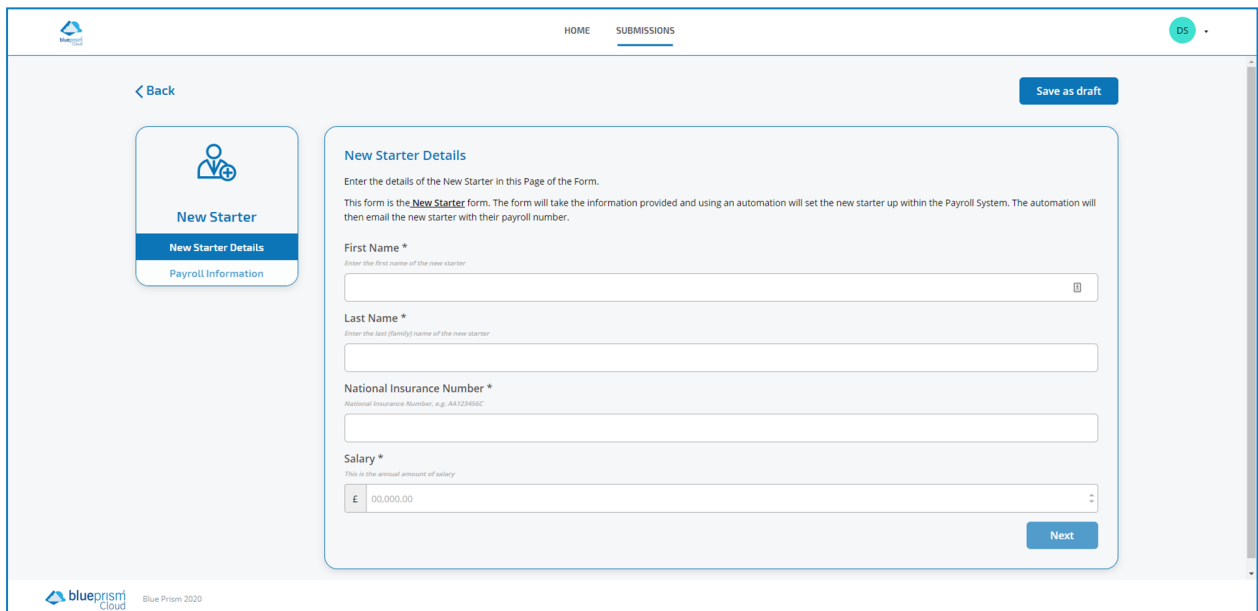


## Submit a form

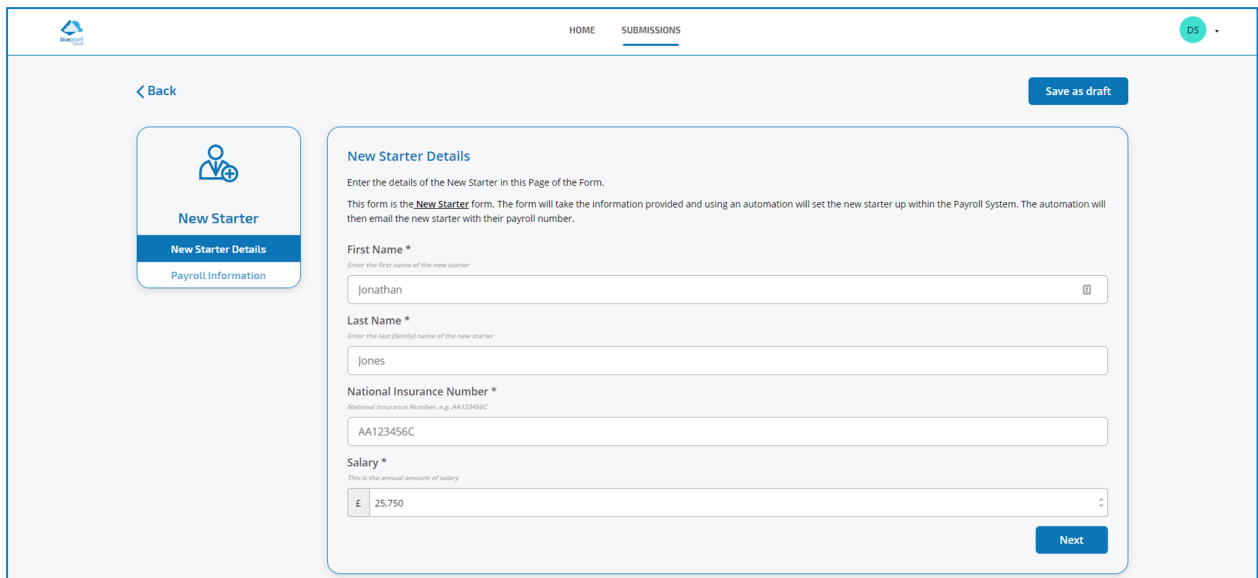
- To submit the business process behind the Interact form, click on the required form.  
Details of the form are displayed below.



- Click **Select** to display the form.



- Complete the form and if there is more than one page, click **Next** to display the next page. Otherwise click **Submit**.



HOME SUBMISSIONS DS

< Back Save as draft

**New Starter**

New Starter Details  
Payroll Information

**New Starter Details**

Enter the details of the New Starter in this Page of the Form.  
This form is the **New Starter** form. The form will take the information provided and using an automation will set the new starter up within the Payroll System. The automation will then email the new starter with their payroll number.

**First Name \***  
Enter the first name of the new starter  
Jonathan

**Last Name \***  
Enter the last (family) name of the new starter  
Jones

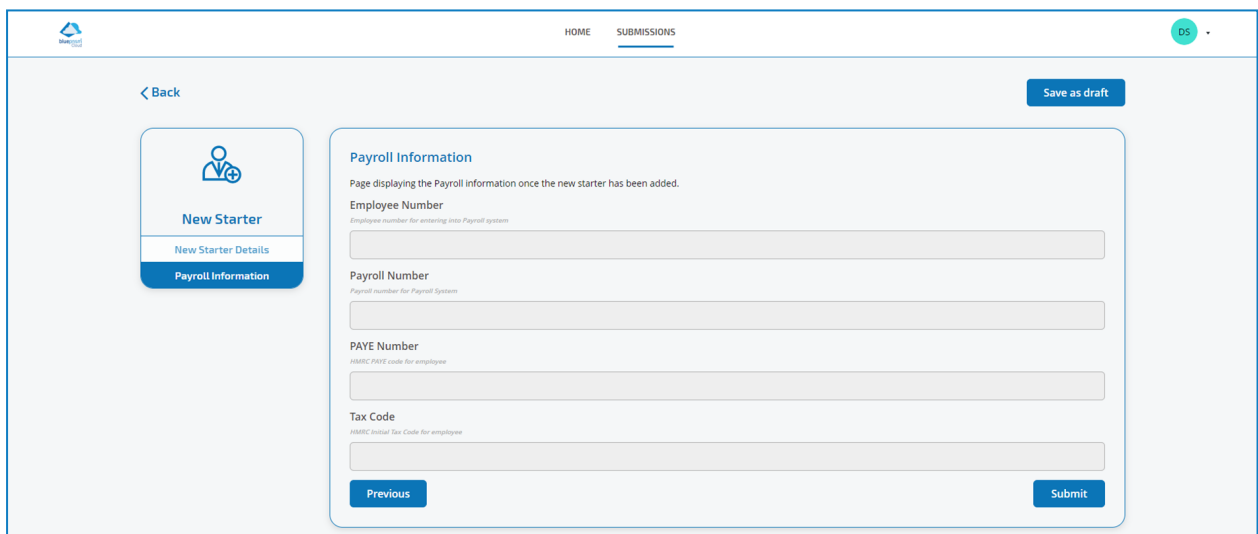
**National Insurance Number \***  
National Insurance Number; e.g. AA123456C  
AA123456C

**Salary \***  
This is the annual amount of salary  
£ 25,750

Next

You cannot move to another Page on any Form if there is a mandatory field on the current Page that hasn't been completed.

- Once all pages of the form are complete click **Submit**.



HOME SUBMISSIONS DS

< Back Save as draft

**New Starter**

New Starter Details  
Payroll Information

**Payroll Information**

Page displaying the Payroll information once the new starter has been added.

**Employee Number**  
Employee number for entering into Payroll system

**Payroll Number**  
Payroll number for Payroll System

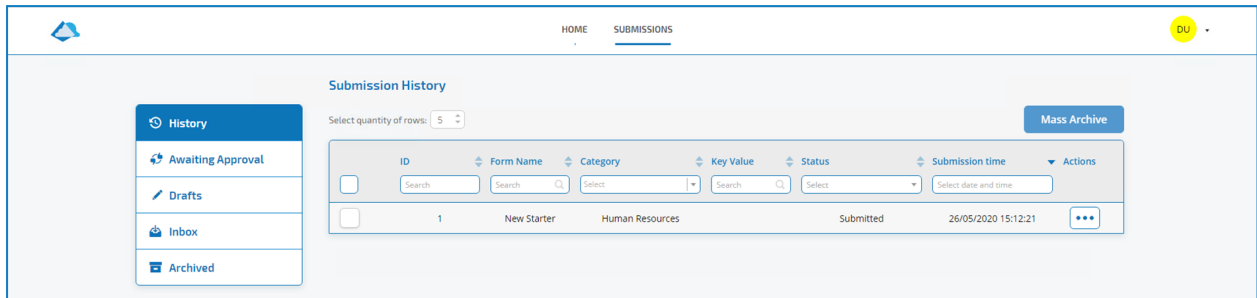
**PAYE Number**  
HMRC PAYE code for employee

**Tax Code**  
HMRC Initial Tax Code for employee

Previous Submit

Once the Form has been submitted you are returned to the main Interact screen.

6. Select the **Submissions** tab to see all submitted forms.

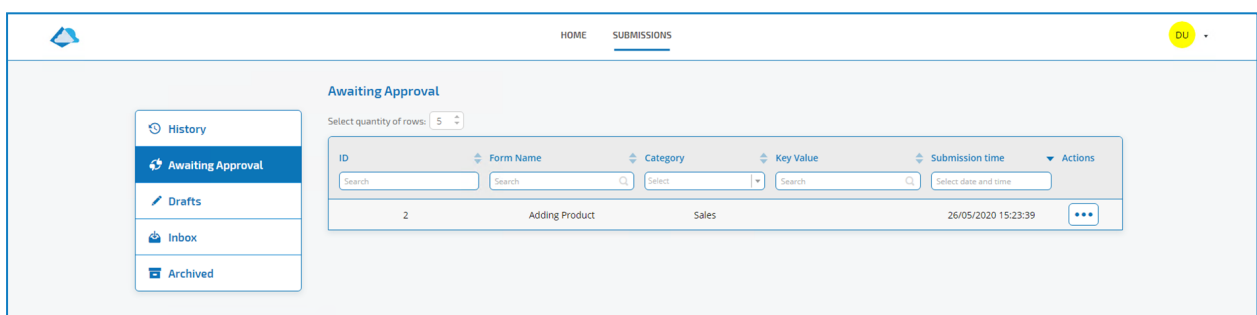


The screenshot shows the 'Submissions' tab in the user interface. On the left, there is a sidebar with a menu containing 'History', 'Awaiting Approval', 'Drafts', 'Inbox', and 'Archived'. The 'History' tab is selected. The main area is titled 'Submission History' and features a 'Select quantity of rows' dropdown set to 5 and a 'Mass Archive' button. Below this is a table with the following columns: ID, Form Name, Category, Key Value, Status, Submission time, and Actions. The table contains one row with ID 1, Form Name 'New Starter', Category 'Human Resources', Status 'Submitted', and Submission time '26/05/2020 15:12:21'.

ID	Form Name	Category	Key Value	Status	Submission time	Actions
1	New Starter	Human Resources		Submitted	26/05/2020 15:12:21	...

If a field was Identified using the Make Key Field command when the Form was created, this would appear in the Key Value column. The submitted request will appear in the History section of the Submissions tab.

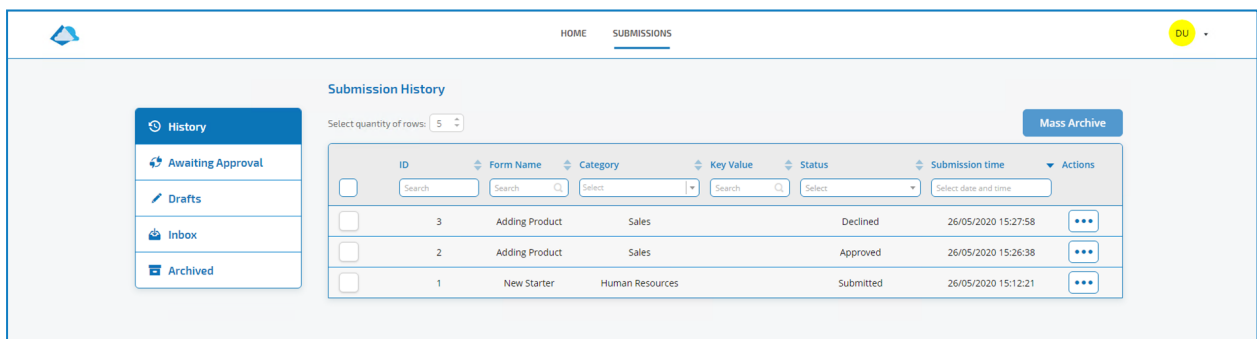
If the submitted request needs approving before submission, it will be added to the Awaiting Approval tab and the approver will be notified.



The screenshot shows the 'Submissions' tab with the 'Awaiting Approval' sub-tab selected. The sidebar menu is the same as in the previous screenshot. The main area is titled 'Awaiting Approval' and features a 'Select quantity of rows' dropdown set to 5. Below this is a table with the same columns as the previous screenshot. The table contains one row with ID 2, Form Name 'Adding Product', Category 'Sales', and Submission time '26/05/2020 15:23:39'.

ID	Form Name	Category	Key Value	Submission time	Actions
2	Adding Product	Sales		26/05/2020 15:23:39	...

Once the approval has been actioned the form will be added to the History section showing the result.

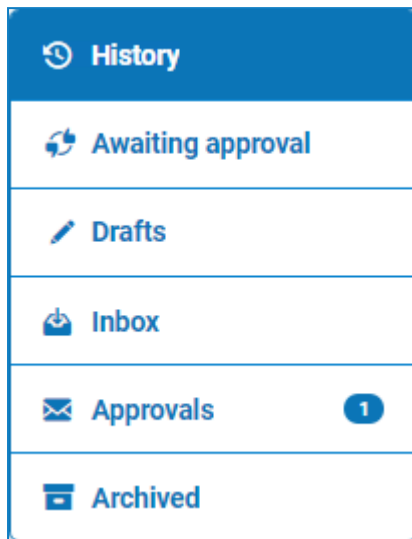


The screenshot shows the 'Submissions' tab with the 'Submission History' sub-tab selected. The sidebar menu is the same as in the previous screenshots. The main area is titled 'Submission History' and features a 'Select quantity of rows' dropdown set to 5 and a 'Mass Archive' button. Below this is a table with the same columns as the previous screenshots. The table contains three rows: ID 3 (Adding Product, Sales, Declined, 26/05/2020 15:27:58), ID 2 (Adding Product, Sales, Approved, 26/05/2020 15:26:38), and ID 1 (New Starter, Human Resources, Submitted, 26/05/2020 15:12:21).

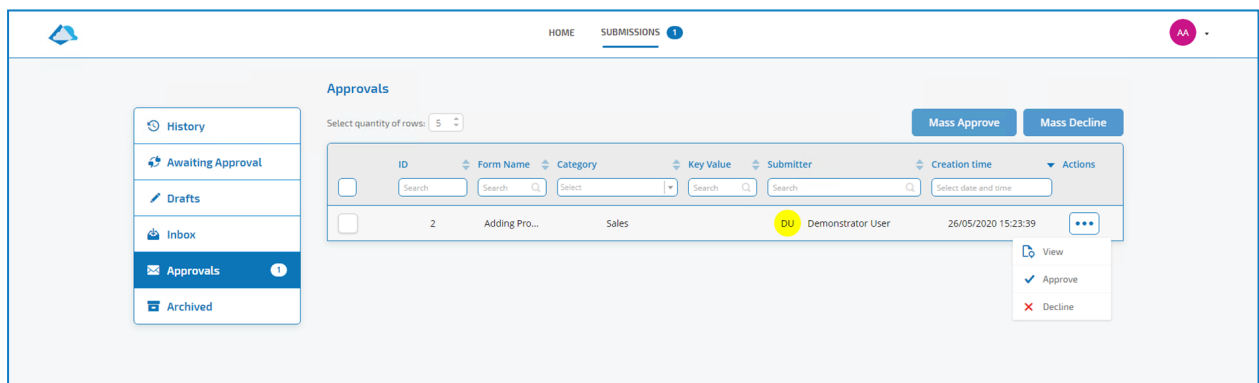
ID	Form Name	Category	Key Value	Status	Submission time	Actions
3	Adding Product	Sales		Declined	26/05/2020 15:27:58	...
2	Adding Product	Sales		Approved	26/05/2020 15:26:38	...
1	New Starter	Human Resources		Submitted	26/05/2020 15:12:21	...

## Approve a form

When forms are submitted for your approval, a flag displays in the Approvals section.

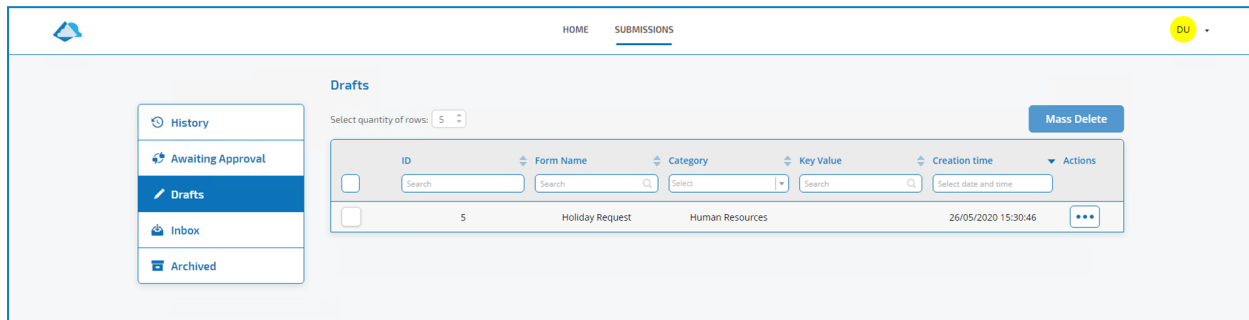


1. To view the forms that have require your approval, click **Approvals**.
2. From the approvals menu for each form, select to view the form or select a response:
  - **Approve** – Approving the request allows the request to be submitted to the queue or email as detailed when the form was created.
  - **Decline** – The request cannot be submitted to a queue or email.



## Save as draft

If a user only has some of the information required to complete a form, they can complete the fields they have the information for and then select **Save As Draft** to preserve the partially completed Form. The information is stored under the Submissions tab in the Drafts section.



Once the user has the missing information the user can complete the form and then submit the request for processing. The user can, at a later date, open the draft, complete the submission, and submit, or delete the draft if it is no longer required.

## Updating submissions

The updating of submissions, with information being fed back from Blue Prism, is a dynamic process. You can look at the form as the process is running in Blue Prism and as the information is updated by the process the form is automatically updated. The whole mechanism of updating submissions and setting submissions to a different state, i.e. moving to the Inbox, is detailed in the Interact API User Guide.



## Interact restrictions

The following restrictions apply to the elements of Interact.

### Play test and form renderer

The maximum number of elements on the Play Test and Form Renderer are:

- **Maximum number of fields on one page** – Recommended to be no more than 40 fields per page as the time taken to render the form increases.
- **Maximum number of pages** – Recommended to be no more than 10 pages with a maximum of 30 fields per page. Above this the time to render increases.

### Custom icons for forms

Icons must be a PNG, JPG, or SVG file and cannot be bigger than 256px x 266px and 30KB.

### Form field restrictions

The table below lists the Form Field restrictions.

Field	Datatype	Applicable Restrictions
Descriptions	Text	The descriptions for all field elements are restricted to 150 characters.
Upload element	File attachment – File and Image	<p>The maximum file upload size is 5Mb and the image size is restricted to 1920x1080 px.</p> <p>You cannot upload executable files (files with a .exe extension).</p>
Paragraph element	Text	Paragraph elements are restricted to 500 characters.