

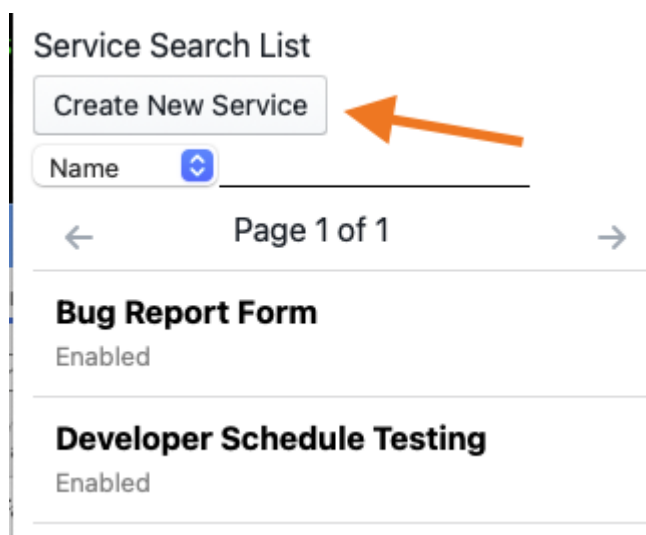
# Data Collection Form Sub-system

- [Creating a Data Collection Form](#)
- [Signature Blocks](#)
- [Custom Form Configuration Overview](#)

# Creating a Data Collection Form

## Creating a new service

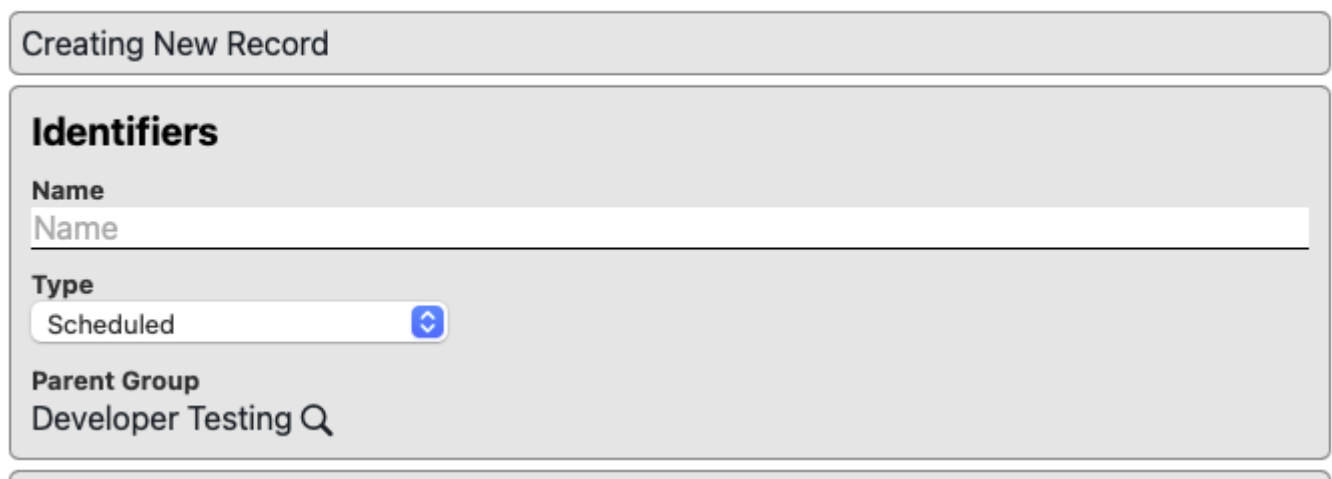
A new service can be created by clicking the "Create New Service" button located above the service list search box



The screenshot shows a web interface titled "Service Search List". At the top, there is a button labeled "Create New Service" which is highlighted by an orange arrow. Below the button is a search box with the label "Name" and a dropdown arrow. In the center, there is a pagination bar showing "Page 1 of 1" with left and right navigation arrows. Below the search bar, there is a list of services. The first service is "Bug Report Form" with the status "Enabled". The second service is "Developer Schedule Testing" with the status "Enabled".

Newly created services will not exist until saved after initial configuration. This means that some functionality that needs an id number such as creating service rates will not be available until the user click the "Save" button to save a newly created service.

### Service Detail Editor



The screenshot shows the "Service Detail Editor" interface. At the top, there is a header bar labeled "Creating New Record". Below this, there is a section titled "Identifiers". Inside this section, there are three fields: "Name" with a text input field containing the word "Name"; "Type" with a dropdown menu showing "Scheduled"; and "Parent Group" with a text input field containing "Developer Testing" and a search icon.

# Identifiers

## Service Detail Editor

**Record ID**  
57

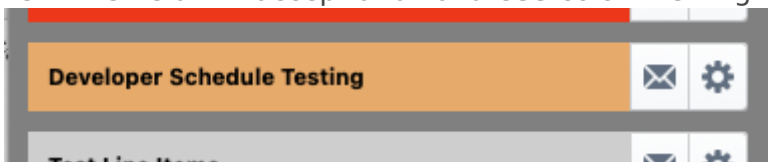
**Identifiers**  
**Name**  
Developer Schedule Testing  
**Type**  
Scheduled  
**Parent Group**  
Developer Testing

- **Record ID** - The system ID number identifying the service
- **Name** - The display name of the service in question.
- **Type** - The type of the service. Defaults to "Scheduled"
- **Parent Group** - The group to which this service belongs. Defaults to the currently active group but may be changed to any group that the creating user is listed as a manager for

# Visuals

**Visuals**  
**Color**  
#f2a464  
**Display Weight (Higher # = Displayed Higher)**  
0

- **Color** - The color of the button to access the service as it appears in the group services list. This field will accept and valid CSS color in string format. Ex:



- **Display Weight** - How high in the list a service will be displayed. Higher values will display first. Ex: 10 will appear after 50
- **Display Path** - For facilities with large numbers of instruments / services it can be helpful to have some additional level of organization. The display path setting allows managers to organize services into folder style nested groupings. The convention follow standard unix pathing conventions. Ex: "/Microscopes/" will display the given service under an expandable section with all other services that have the same configuration.

# Contact Information

**Contact Info**

Location

Location

**Contact Email**

All Events

Email

Add Email

- **Location** - The location the service is located at. This field is optional and will display after the service name on the list of services
- **Contact Email** - The list of email addresses that should be send a notification message. The contact email list can be configured to send emails to any number of addresses. Generally this will be the email of the person or persons responsible for managing the instrument. Email contacts can be configured to receive emails on the following events:
  - **All Events** - Send a notification for form creation, deletion, and update actions
  - **Only Create** - Send a notification on form creation
  - **Only Update** - Send a notification on form update
  - **Only Delete** - Send a notification on form deletion
- **Note:** The contact email configuration does NOT override the general "Notification Verbosity" setting for the service. If a service is configured to suppress all notification messages then no emails will be sent regardless of the contact email configuration. Also note that Line Item orders only generate "Create" notifications.

# General Config

**General Config**

Enabled

Yes

Notification Verbosity

All Actions

Manager Only

No

- **Enabled** - Whether this services is actively in use
  - Yes - Active
  - No - Inactive
  - Archived - Inactive and hidden from search list. (Used for removing services from general use and declutting un-used service records
- **Notification Verbosity** - When to send notification emails for actions that occur on the service
  - No Messages - No notifications sent
  - On Create - Only send order creation notifications
  - On Delete Only - Only send event deletion notifications (Delete not applicable for Line Item Orders)

- On Create/Delete - Only order notification when an event is created or deleted (Delete not applicable for Line Item Orders)
- All Messages - Send notification for all event creation, update, and delete actions (Delete and Update not applicable for Line Item Orders)

## Tags

Tags



Tag strings used by the system for categorization and certain actions. No special tags are defined for services at this time.

## Form Configuration Manager

Custom data collection forms can be configured to collect any desired data including digital signatures from submitters.

Custom Form Configuration Manager

General

Title (required)

Resource System Bug Report

Allow Editing (required)

☐ Yes (all)
 ☐ Yes (Received Only)
 ☒ No

Current Fields

Type	bug_type	Multi-Select	<div> <div></div> <div></div> <div></div> <div></div> </div>	Remove Field
Issue Description	issue_description	Text Area	<div> <div></div> <div></div> <div></div> <div></div> </div>	Remove Field
Steps to Reproduce	steps_to_reproduce	Text Area	<div> <div></div> <div></div> <div></div> <div></div> </div>	Remove Field

Add New Field

Field Label...	Data Key...	Text Field	+ Add Field
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Save Form Configuration

1. **Title** - The title of the form
2. **Allow Editing**
  1. **Yes (all)** - Allow users to edit form submissions after submission
  2. **Yes (Received Only)** - Allow users to edit form submission as long as they are in the "Received" state
  3. **No** - Disallow form editing after submission
3. **Current Fields** - Control and edit the forms for this data collection form

Type	bug_type	Select	⌵	⌴	⌵	📄	— Remove Field
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1. **Label Field** - Used to set the name of the field
2. **Data Key Field** - Defines the name of the storage variable. Should be unique across all fields
3. **Field Type Selector**
  - **Markdown Block** - Display a markdown formatted section of text
  - **Text Field** - Single Line Text Field
  - **Text Area** - Multi-line text field
  - **Number** - Floating point number field
  - **Select** - Single Item select
  - **Multi-Select** - multiple item select
  - **Section Divider** - Section Divider with or without title
  - **Signature Block** - Email target for signature request
4. **Field Details/Config Button** - Displays field type configurations
  - **Markdown Block**

## Block Content

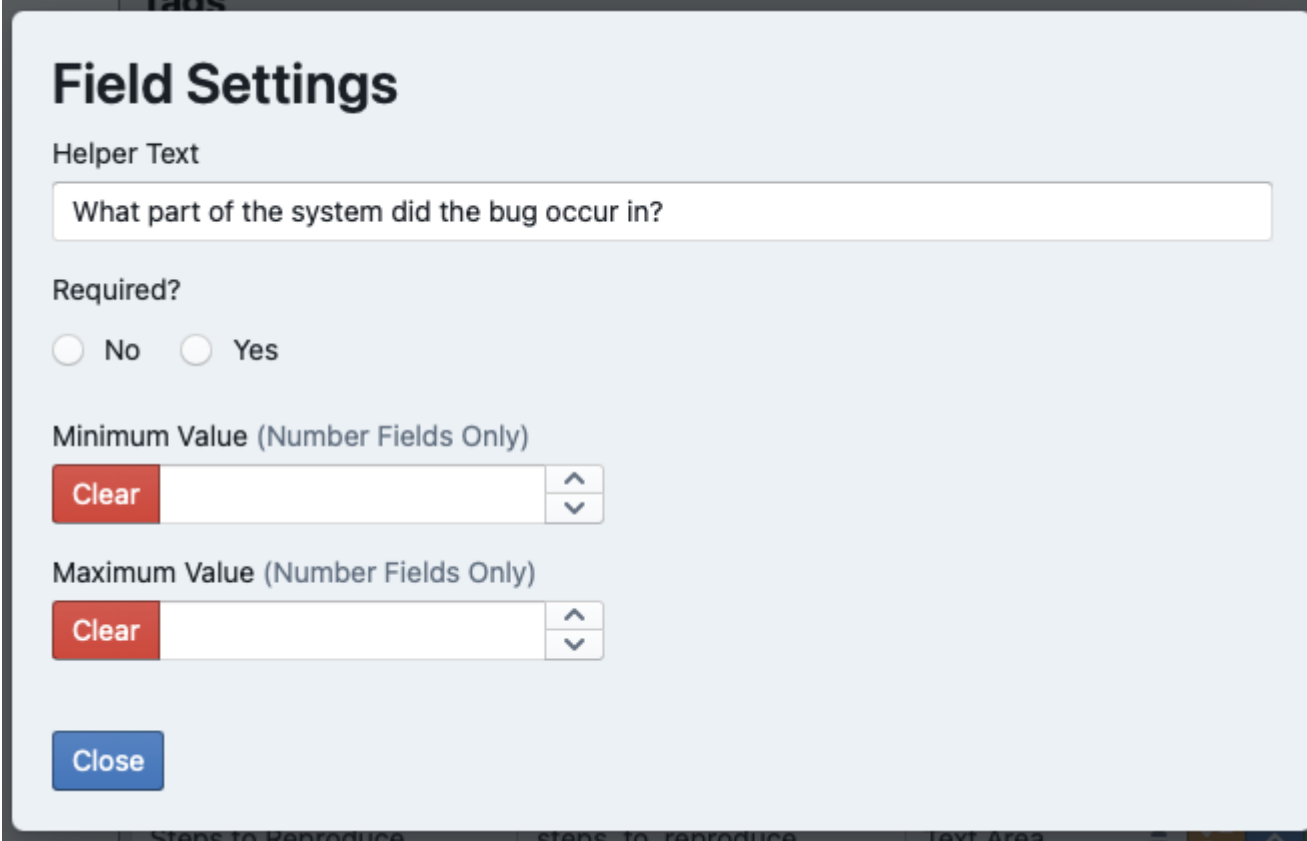
Markdown Formatted Text

Static Markdown Formatted Content

Close

- **Text Field** - Single Line Text Field
- **Text Area** - Multi-line text field

- **Number** - Floating point number field



The image shows a 'Field Settings' dialog box with a light blue background. At the top, the title 'Field Settings' is in a large, bold, black font. Below the title, the label 'Helper Text' is followed by a text input field containing the text 'What part of the system did the bug occur in?'. Underneath this, the label 'Required?' is followed by two radio buttons: 'No' and 'Yes'. Below the radio buttons, there are two sections for numerical constraints. The first section is labeled 'Minimum Value (Number Fields Only)' and contains a red 'Clear' button, a text input field, and a small button with an upward arrow. The second section is labeled 'Maximum Value (Number Fields Only)' and contains a red 'Clear' button, a text input field, and a small button with a downward arrow. At the bottom left of the dialog is a blue 'Close' button. The dialog is shown over a blurred background of a web form.

**Field Settings**

Helper Text

What part of the system did the bug occur in?

Required?

☐ No ☐ Yes

Minimum Value (Number Fields Only)

Clear  ^

Maximum Value (Number Fields Only)

Clear  ^

Close

- **Select** - Single Item select

- **Multi-Select** - multiple item select

## Field Settings

Helper Text

Required?

☐ No ☐ Yes

### Editing Options for Type (bug\_type)

Event/Scheduler	scheduler	^	v	— Remove Option
Line Item	line_item	^	v	— Remove Option
Charge Account	account	^	v	— Remove Option

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### Add New Option

<input type="text" value="Option Label..."/>	<input type="text" value="Option Value..."/>	+ Add Option
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- **Section Divider** - Section Divider with or without title
- **Signature Block** - Email target for signature request

5. **Move Field Up** - Alters display position of field
6. **Move Field Down** - Alters display position of field
7. **Copy Field Button**
8. **Remove Field Button**



# Signature Blocks

Custom Data Forms can be used to collect approvals from anyone who has an email address. The email address of the person who is supposed to approve the submission will receive an email with an approval link included in it.

Form Entry (#49) Example Form on Example Form was updated -- Approval Signature Required

You have been listed as a signature approval contact for the following form data. Please review the data below and click the link provided to sign this form

Submitted by Elliot Francis ([ef@genetics.utah.edu](mailto:ef@genetics.utah.edu))

-- Submission Data --

Instructions:

PI Signature: [ef@genetics.utah.edu](mailto:ef@genetics.utah.edu)

-- Signature Link --

After reviewing the above form information above please click the following link to sign the form. If you have a problem with this submission please contact the submitter. This approval link is valid until:

2021-04-09 15:18

<https://resource.cores.utah.edu/form/action?token=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmb3JtX2lkIjo0OSwiYWV0aW9uIjoic2lnbiIsImRhdGFfZmllbGRfa2V5IjoicGlfZ2lnbmF0dXJlIiwiaWF0Ijox>

The can then click on the link and will be prompted to provide a digital "signature" in the form of their full name.

## University of Utah Core Labs

### Resource System Form Action - Sign

To confirm your authorization of form submission #49 on form "Example Form" please enter your full name below and click sign.

Full Name:

## University of Utah Core Labs

### Resource System Form Action - sign

Form 49 : Signed

If the form has already been signed the system will display a notification AFTER the signature has been submitted.

# University of Utah Core Labs

Resource System Form Action - sign  
Form 49 Already Signed

# Custom Form Configuration Overview

Custom data collection forms can be configured to collect any desired data including digital signatures from submitters.

### Custom Form Configuration Manager

#### General

Title (required)

Resource System Bug Report

Allow Editing (required)

☐ Yes (all) ☐ Yes (Received Only) ☒ No

#### Current Fields

Type	bug_type	Multi-Select							— Remove Field
Issue Description	issue_description	Text Area							— Remove Field
Steps to Reproduce	steps_to_reproduce	Text Area							— Remove Field

#### Add New Field

Field Label...	Data Key...	Text Field		+ Add Field					
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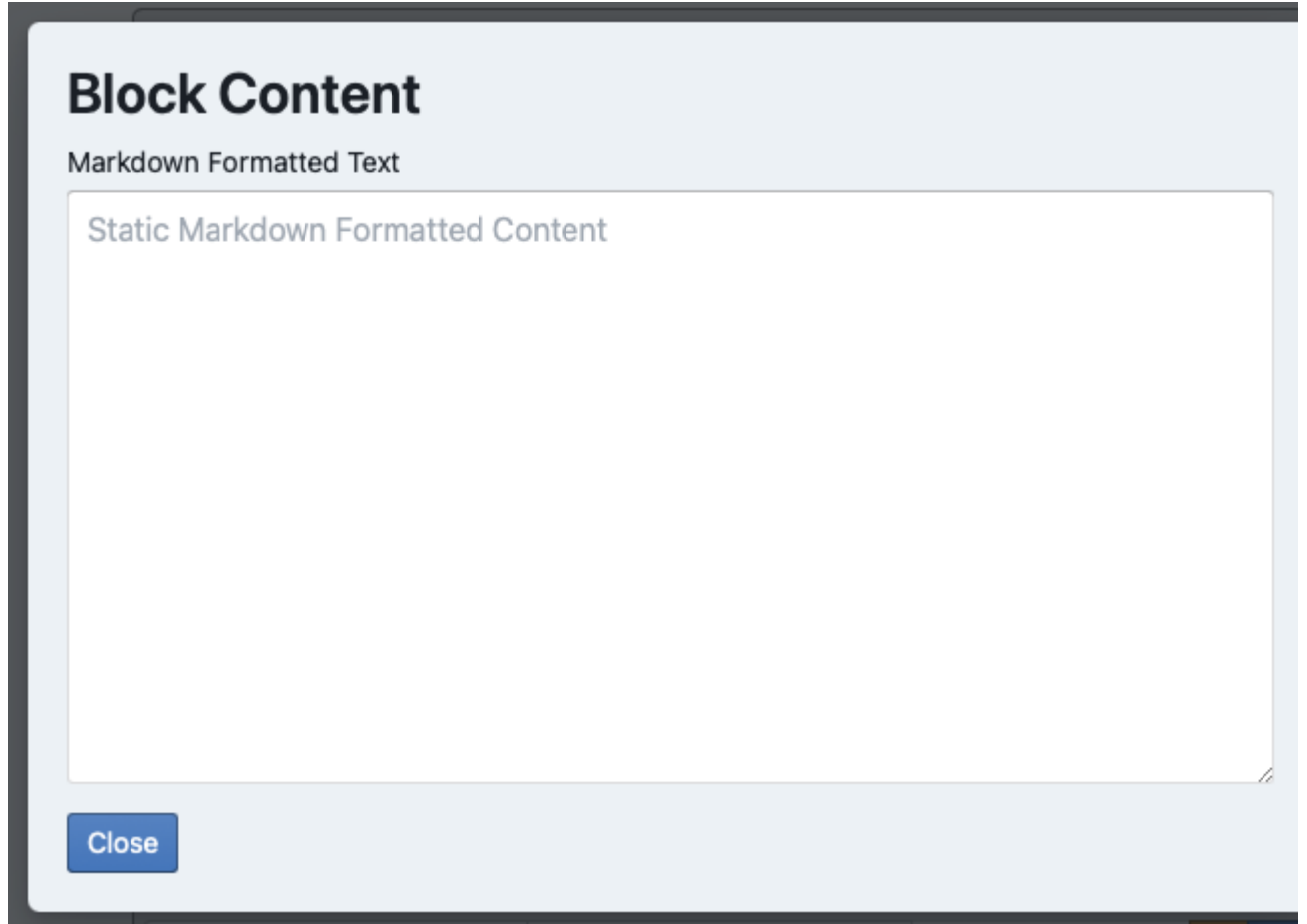
Save Form Configuration

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2. **Allow Editing**
  1. **Yes (all)** - Allow users to edit form submissions after submission
  2. **Yes (Received Only)** - Allow users to edit form submission as long as they are in the "Received" state
  3. **No** - Disallow form editing after submission
3. **Current Fields** - Control and edit the forms for this data collection form

Type	bug_type	Select							— Remove Field
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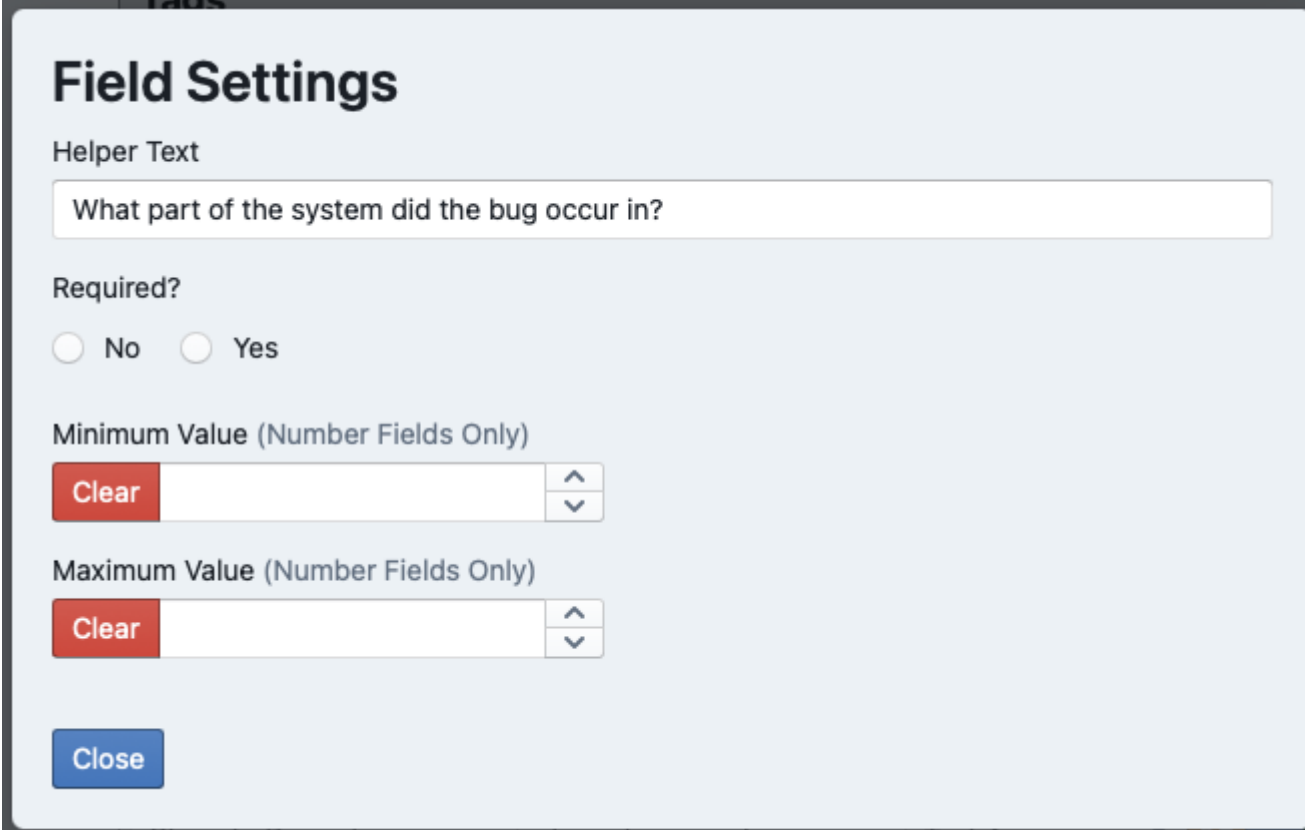
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- **Number** - Floating point number field
  - **Select** - Single Item select
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  - **Section Divider** - Section Divider with or without title
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4. **Field Details/Config Button** - Displays field type configurations
- **Markdown Block**



- **Text Field** - Single Line Text Field
- **Text Area** - Multi-line text field

- **Number** - Floating point number field



The image shows a 'Field Settings' dialog box with a light blue background. At the top, the title 'Field Settings' is in a large, bold, black font. Below the title, the label 'Helper Text' is followed by a text input field containing the text 'What part of the system did the bug occur in?'. Underneath, the label 'Required?' is followed by two radio buttons: 'No' and 'Yes'. Below the radio buttons, the label 'Minimum Value (Number Fields Only)' is followed by a red 'Clear' button, a text input field, and a small button with up and down arrows. The same layout is repeated for 'Maximum Value (Number Fields Only)'. At the bottom left, there is a blue 'Close' button. The dialog box is shown over a blurred background of a web application interface.

## Field Settings

Helper Text

What part of the system did the bug occur in?

Required?

☐ No ☐ Yes

Minimum Value (Number Fields Only)

Clear  ^ v

Maximum Value (Number Fields Only)

Clear  ^ v

Close

- **Select** - Single Item select

- **Multi-Select** - multiple item select

## Field Settings

Helper Text

What part of the system did the bug occur in?

Required?

☐ No ☐ Yes

### Editing Options for Type (bug\_type)

Event/Scheduler	scheduler	^	v	— Remove Option
Line Item	line_item	^	v	— Remove Option
Charge Account	account	^	v	— Remove Option

### Add New Option

Option Label...	Option Value...	+ Add Option
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Close

- **Section Divider** - Section Divider with or without title
- **Signature Block** - Email target for signature request

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