Request Details

Created by Joel Nave, last modified by Ralph Garcia on Aug 31, 2015

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Story

Narrative

As a Global Data Administrator, I want to view the details of a processed request so that I can validate derived fields, complete missing fields and submit it for approval.

Acceptance Criteria

#	Title	Given (context)	When (event)	Then (outcome)
1	View Request details			
2	Edit Derived Fields			

Overview

The Request Details page will provide users a way to view the derived fields and edit them. It is a form with special editing capabilities.

Design Considerations

- It must be clear to the user the which fields are of the most concern.
- There are around 32 fields so scrolling will be required.
- The design should be responsive to support tablets and potentially mobile phones.
- The form should be configurable. We will likely use these capabilities in other future applications for other use cases.

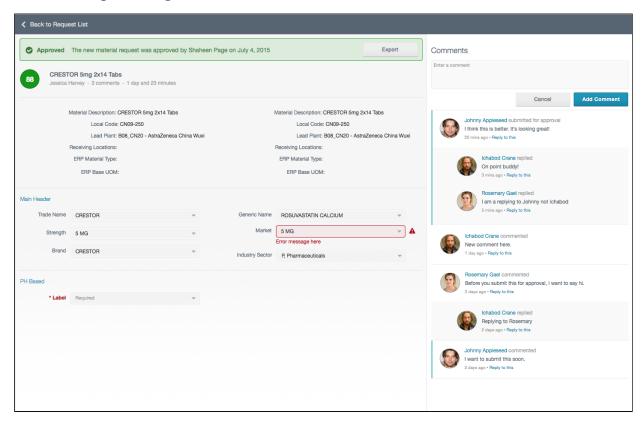
Experience Design

Page Layout

The layout of the New Material Request Details page shall including the following UI elements

- Action Bar The Action Bar will provide users a way of navigating back to the list page and access request actions.
- Message Area A message area will be displayed at the top of the form to communication information and status. Workflow
 actions will also appear in the message area.
- Request Title The Request Title will present the title and other summary information about the request.
- (Original) Request Fields This area will contain the original request fields in read-only format.
- Derived Fields Below the original request fields will be displayed the derived fields in an editable form.

Details Page Design



- Contextual Pane is open automatically
- Same light gray gradient BG as on the list page. Contextual pane has white BG.
- Global navbar button says "Back to Request List", other info is hidden or not there.
- All layout borders are #E0E4E8

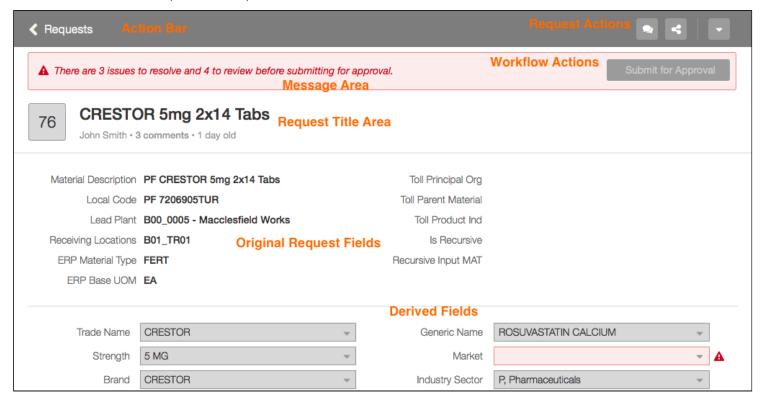
Forms

Same colors for read-only or edit forms.

- Fieldset headers: color: #0387AB; Font-family: Helvetica Nueu Light; font size: 14px
- Label color: #576472
- Value color: #333333
- Error field: Is red and shows error icon to the right of the field and displays message below the input field
- · Required field: contains an asterisk after the label. (best practice) and also contains placeholder text "Required"

Responsive Layout

The page layout shall respond / adapt to the device / view port that the user is viewing it with. It has been designed in a way that it will fit screens from a desktop to a mobile phone.



Animation

- When navigating to a request detail the details page will animate in from the right side of the screen to the left.
- When navigating back to the list screen the details page will animate out from the left side of the screen to the right.

Action Bar

The action bar will be located at the top of the page, replacing the Global Navigation Bar.

The left of the action bar will contain a way of navigating back to the list screen.



• The right of the action bar will contain object (request) level actions.



(i) Actions will be defined on another confluence page and will completed as a different set of stories.

Message Area

The message area will display information and status content. It will also include workflow status actions such as Submit for Approval and Approve.

▲ There are 3 issues to resolve and 4 to review before submitting for approval.

The Message will have the following parts:

- · An indicator icon
 - If there are issues to resolve an issue icon will be displayed.
 - If there are no issues, but there are items that require review a review icon will be displayed (likely glasses)
 - If all looks good an all good icon will display (possibly a thumbs up or check mark)
- Counts as to the number of issues to resolve and the number of fields that require review
 - "There are <#> issues to resolve and <#> fields to review before submitting for approval."
 - "There are <#> fields to review before submitting for approval."
 - "Looks pretty good. Do a quick review before submitting for approval."
- Workflow Actions will be included based on the workflow state of the request.

Title Area

The title of the details page will display below the message area.



The title area will contain the following information

- Confidence score A number provided by the rules engine.
- Material Description Provided with the original request submission.
- Request Identier
- Reguest Owner User who is currently responsible for this request.
- Number of comments This element needs to automatically increment when a comment is added (should not require a page
- · Age of the request Same as age definition from Request List definition.

Original Request Fields

This area will display the original request fields that were parsed from the request email. These fields will be read only.



Attributes

They are listed in default display order. Administrator will be able to configure the display order.

Name	Notes
Material Description	
Local Code	
Lead Plant	
Receiving Locations	
ERP Material Type	
ERP Base UOM	
Toll Principle Org	
Toll Parent Material	
Toll Product Ind	
Is Recursive	
Recursive Input MAT	

Responsive

- At a defined breakpoint the form will move from two columns to a single column.
- The form reads down the first column and then over to the second column. So, when displaying as a single column the right column of fields will drop under the left column of fields.

Read-Only Form (View-only)

When a request is being validated, users will not be able to update the request until it is complete. In this case, there will be a readonly form. The form will list key:value pairings and similar to edit-mode there will be icons presented if there was a value overridden or any comments associated with it.

Layout of read-only label(key):value

- Label should always be on the left of the value; the color is #576472
- Label has a colon (:) after it. Use CSS after pseudo class
- · Label should all right align; Value left align
- Value color is #333 (default body color)
- Value truncates if it will run into other text
- Action butcons should appear directly after the value; if there is no value then they are directly after the label

In the case of long values or multi-values, the value should wrap but stay aligned with the values above/below and the first line should stay aligned with the label. See screenshot below:

Material Description: CRESTOR 5mg 2x14 Tabs

Local Code: CN09-250

Long or multi-value: This is a long value that should wrap and stay aligned with the line above. This would apply to multi-values as well.

Receiving Locations:

ERP Material Type:

View Existing Comments

- The user can access the related comment by clicking on the comments butcon. Same pattern as below (Add a Comment in Dialog)
- · The strikethrough icon represents a derived value that the user has manually changed

Material Description: CRESTOR 5mg 2x14 Tabs

Local Code: CN09-250

Lead Plant: B08_CN20 - AstraZeneca China Wuxi

Receiving Locations:

ERP Material Type:

ERP Base UOM:

Material Description: CRESTOR 5mg 2x14 Tabs

Local Code: CN09-250

Lead Plant: B08_CN20 - AstraZeneca China Wuxi

Receiving Locations:

ERP Material Type:

ERP Base UOM:

Add New Comments to a blank field

A key:value line may or may not have existing comments. If it does the user will simply click on the View Comments butcon

Receiving Locations: to open the View Comments dialog explained below. If there are no existing comments we will provide an Add New Comments butcon in that same spot (See screenshot below). It is not always displayed, only on hover of that line.

- The Add New Comment butcon icon is the single comment bubble.
- The View Comments butcon icon is the double comment bubbles.

The butcon should appear directly to the right of the label. If there is a value, the View Comments butcon would be directly to the right of the value and not the label. See screenshot.

- Hovering over make the butcon appear
- Clicking this butcon will present the Add New Comment Dialog (See below)
- · Hovering over the next line should immediately hide the butcon and bring up the next one for that line

Showing the hover state. The popover is showing how the butcon looks in hover state



Derived Fields

The "derived fields" are the result of the rules engine processing the original request fields. These are the fields that will be updated to the Master Data system and are core to the value of the solution we are providing.

Display of

All Derived Attributes can be edited.

- Attributes are displayed as a label / value pair.
- Labels
 - If an attribute is a required attribute a require indicator (e.g. "*") will be displayed with the label.
 - If an attribute requires contextual user assistance to understand it's meaning a visual affordance will be presented with the label and hovering (delayed) over it will provide a definition of the attribute.
- Values will be displayed with a visual affordance that indicates that the value is editable.
 - There will be an indicator (currently a divot) that will indicate to the user that they should tap on it. Tapping on the divot, or anywhere within the input will invoke edit mode.
 - Two the right of the value input we will display any visual indicators to highlight the field for the user (e.g. Alert icon, Overridden or Comments icon)
 - The input will have a visual treatment to indicate the confidence of the attribute. Confidence levels will be confident, needs review, blocked.

Attributes

For easy consumption we will allow the customer administrator to configure the display of the derived fields (also the original request fields). The will be able to do the following:

- · Create "Attribute Groups".
 - · There will be at least one attribute group.
 - · An Attribute Group will have a Name.
 - The Name can optionally be displayed as a title with the group.
- Associate attributes to an Attribute Group.
- Order the the attributes within an Attribute Group.
- Order the display of Attribute Groups

Attribute	Field Type	Notes
Group 1		
Trade Name		
Brand		
Generic Name		
Market		
Industry Sector		
Group 2		
Strength		
Product		
Product Hierarchy		
Product Family		
Product Sub Family		
API		
Material Type		
Material Group		
Manufacturer		

	1	
Group 3		
Product Form		
Pack Type		
Filling Size		
Primary Pack Size		
Secondary Pack Size		
Bulk Product Indicator		
Group 4		
Weight Unit		
Base Unit of Measure		
Volume Unit		
Group 5		
Toll Product Indicator		
Toll Parent Material		
Toll Principle Organization		
Group 6		
Recursive Indicator		
Recursive Input Material		
Use Indicator		
Group 7		
Global Deletion Flag		

Editing a Field

These fields will require a special edit component. Edit mode will be invoked by the user tapping in the input area.

- The input will open an overlay menu and allow the user to type in/save and find a desired value. They can add a comment to the attribute or view related rules and tables. It will also give the confidence value for the attribute.
- If a value does not exist they can type in a new value select it/hit enter. It is auto-saved and the overlay menu closes. In the type-ahead list, this new value will have a label in parenthesis (Add this value).
- As the user types we will reveal possible values based on the related data tables (Type-Ahead). See below.
- If no values were found we will recommend values based on the related data tables (Recommendations). See below.

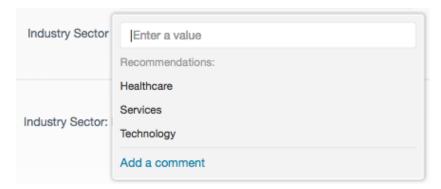
Overlay Information

- The overlay height should grow to show 5 type ahead values and 3 recommendations max.
- There is no min-height

Completing an Empty Attribute Value

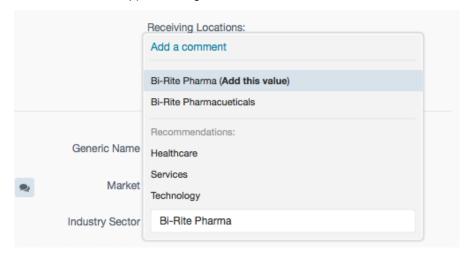
Tapping in the field brings up the overlay menu. The recommendation list is displayed because the user has not typed anything yet.

Nothing typed, but there are recommendations.



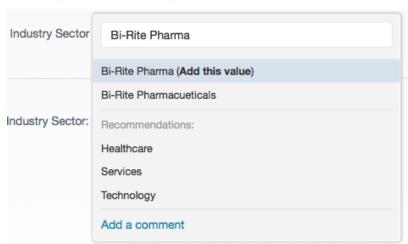
When the user clicks into a field, the drop-down of options shows (up to the first 7 items and is scrollable). If there are recommendations, they are displayed below the list. If the user types-in the field, the drop-down options are filtered based on the type-in text.

Note: If the field is toward the bottom of the page, flip the field up, so the options are all visible on the page (this means that Add a Comment is at the top). See image below.



After typing a value the system may have some recommendations. The user may decide that the value is not among the recommended values or the desired value may not exist in the list of existing values. The user can type-in a new value that is not in the list which will append a label next to this new value (Add this value) and it is saved when it is selected.

Value is typed in and selecting the value saves it and closes the overlay menu.



Overriding an Existing Derived Value

• The system has derived a value. The user can change the value.

• The system visually indicates fields where the user changed the value from a derived value to another. This highlights it for the approver and track it for us to learn from.

Value is overridden



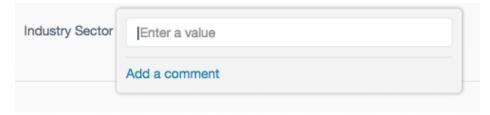
- · The overridden value is visually indicated by the field color and the strike-through icon
- The comment icon indicates that a comment was made on this field
 - The user can click on the comment icon to see all comments specifically related to this field only. (See "View Comments in a Dialog" below)
 - The user can reply from the comment details

Overlay menu lists and input field behaviors for single value field

- · The user should be able to navigate the list by using a mouse or keyboard
- Arrow up/down should traverse the list and highlight each value as it's in focus
- Hitting enter on a highlighted value should populate the field and close the overlay menu

Type-in Fields (non-list)

Some fields will be not based off a list. These fields will be simple input fields inside the overlay. There is no type-ahead, recommendations nor Add this value feature. The placeholder mask inside the field is the same "Enter a value".



Multi-select fields

Some of these fields may possibly have more than one value. In this case, a multi-select field would be displayed. It allows a user to pick more than one value and will put the values inside a "pill". The select2 component is a good example of what we would want to do, https://select2.github.io/examples.html.

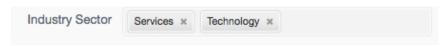
When multi-selecting, the overlay will appear with menu actions that are the same as explained below. Values are encapsulated in a "pill". A value will become a pill after a user types in something and hits enter or selects it from recommendations or type-ahead list. Pills will appear left of the typing area and you can remove them by hitting backspace/delete or the "X" close button on each pill. It is not possible to remove more than one pill at a time. Clicking on a pill or backspacing to one will highlight the pill, two backspaces will remove from the field. Removing a pill does not delete it, only removes it from the field.

The recommendations and type-ahead work the same as single value field (below) except the overlay menu will stay open.

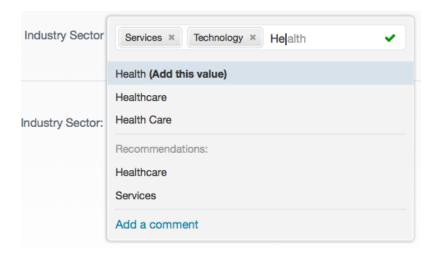
The apply button will become enabled once a value is selected or some text is typed. Clicking the apply button will save each pill value separately, not in a group and close the overlay menu. For example, if there are two pills, "Healthcare, Services", clicking apply will save Healthcare and Services separately, so when I type "Healthcare", "Services" is not grouped with it.

Until a value is selected or the user begins typing the apply button should be disabled.

Pill values in display mode (not editing)



Pill values and typing in another with type-ahead:



Read-only

A multi-select field in read-only mode will not be editable. It will display in the same key:value pairing, however, the values are separated by semicolons.

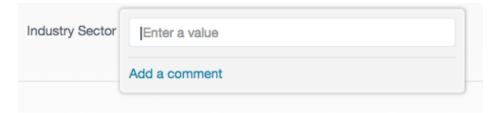
Multi-select in read-only form

Industry Sector: Healthcare; Services; Technology

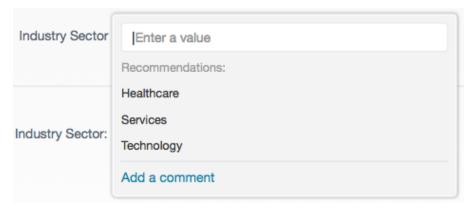
Recommendations

If recommendations exist we will show the list which contains a "Recommendations" title. However, if there are no recommendations, no list is displayed. Upon typing text in the field, the recommendations list will be bumped below the type-ahead suggestion list. We limit the recommendations to three values in the list and they are always displayed. It does not displayed if we have no recommendations. They do not change as the user types. The overlay closes if they select one of the recommendations by clicking it or highlighting it and pressing enter. **Note: this is different behavior than multi-value**

No recommendations exist:

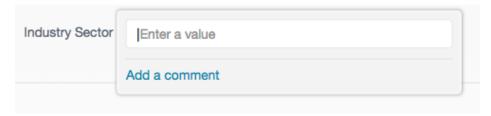


Recommendations exist and user has not typed:



Type-Ahead: Suggestions as the user types

The user taps into an empty field and is presented with an overlay that contains a field with a placeholder mask "Enter a value", the menu actions "Add a comment" and recommendation list if there are recommendations.



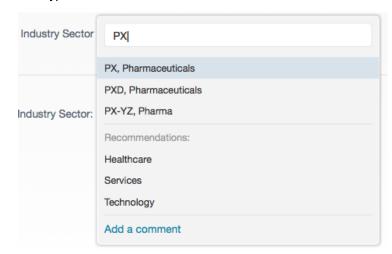
The user can select from the suggestions list or type-in a new value. As the user types text, a list of up to five auto-suggestions appears above the recommendations. The first value is always highlighted. The first value is always the same as what the user is typing whether we have it in our list or not. If it is not a match from our list we add a label in parenthesis (Add this value). This represents a value that does not exist in our list. If what they are typing does exist then there would not be a value in the list with that label.

The "Add this value" label would appear always as long as the value is not in our list.

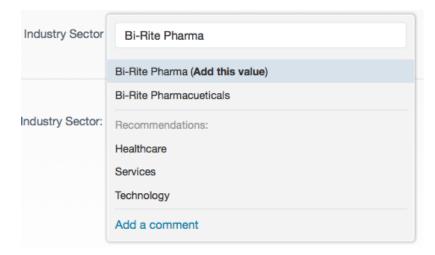
For example, if they are looking for "Apple" and typed "A", "Ap", "App" or "Appl" there would be the "Add this value" label next to it. Once they type the full matching word "Apple" the label goes away because it matches a value in our list.

If it's an unmatched value they can select it and it will be added to the field input, but not our list. As the user types, we never show more than five suggestion values. The overlay closes if they select one of the type-ahead suggestions by clicking it or highlighting it and pressing enter. **Note: this is different behavior than multi-value**

User types a value that does match a value in our list so there is no "Add this value" label



User types a value that does not match a value in our list so "Add this value" label appears next to the first value in the list



Comments for a Derived Field

A user can add, reply and view comments in a modal dialog specific to a field.

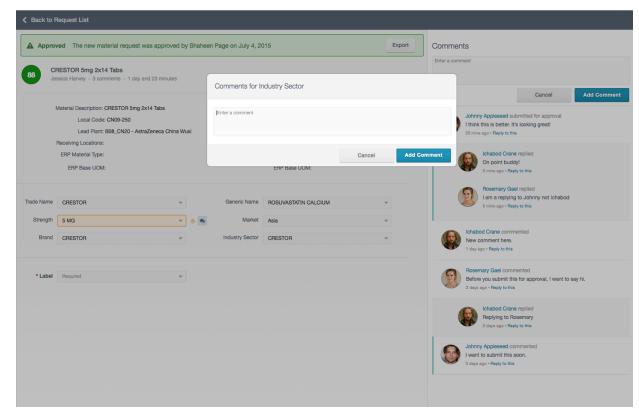
Add a Comment in a Dialog

- The user clicks "Add a comment" on the specific field
- Modal dialog will appear showing a focused text area to enter comments with a Cancel and Add Comment button
- The dialog header will read "Comments for {label}" where label is the label of the derived field
- · After adding a comment the dialog will close
- The comment will appear in the contextual pane, the background of that comment should fade from blue to transparent
- · A comment icon will appear next to the specific field.

Click on "Add a comment" to bring up the comment dialog:



Add a comment dialog appears:



Comments were added; butcon appears

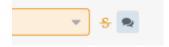


View Comments in a Dialog

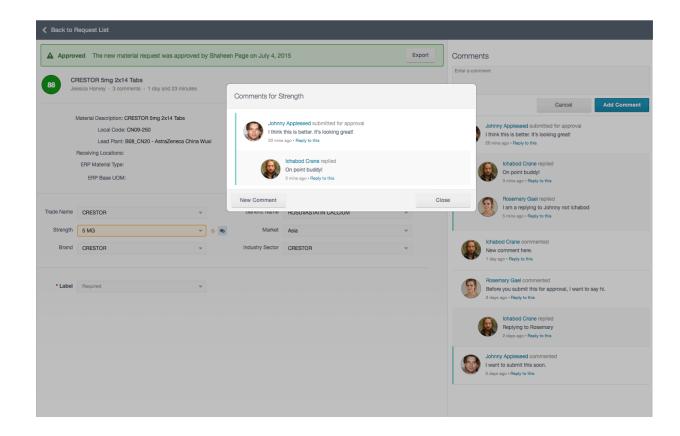
Viewing and replying to comments in a dialog should be very similar to how it's done in the contextual pane. It should have similar layout and interactions, but with a few minor alterations to adjust for being inside a dialog.

- · A comment butcon will let you view and reply to a comment specific to a field
- The dialog header will read "Comments for {label}" where label is the label of the derived field
- Comment dialog contains the comment(s) specific to that field and it's replies
- If there is more than one comment, it should display all comments related to that specific field; newest comment first; newest to oldest sort order
- You can click on "Reply to this" to add a reply to a comment
- The dialog has a "Close" button which will close the dialog and "Add Comment" button
- The "New Comment" button will create a new comment that appears above existing comments; It is not a reply comment
- Clicking on "New Comment" should not close the dialog and replace the comments with only a text area to add a comment; the same screen as above in "Add a Comment in a Dialog"

User clicks on comment butcon:



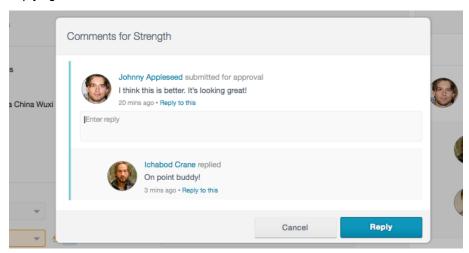
View comments dialog appears:



Reply to Comment in a Dialog

- If "Reply to this" is clicked; a text area will appear and the dialog buttons change to "Cancel" and "Reply"
- Text area is focused and placeholder mask is "Enter reply"
- After clicking "Reply; the dialog remains open and it returns to the View comment in dialog mode which changes the dialog actions back to just "Close"
- The reply should also appear in the contextual pane comments area

Replying to a comment:



Technical Design

Implementation Notes

Implementation in branch *derived_fields*.

Resources

Impact Checklist

(Check to indicate that there is an impact. Based on the product being developed, addd to this checklist any additional impact)

Local Caching **Distributed Caching** Version Conflict Run Time Support Encryption **Backward Compatibility** Assess impact to authentication Upgrade & impact to existing account **Duplicates?** Impact to retention policies Assess impact to performance testing framework Assess need for user interface Assess impact to data warehouse Do min / max validations apply Assess impact to reports Are documentation changes required Does this impact audit logs Does it impact disaster recovery

Open Tasks or Known Issues

Related tasks:

NPR-177

Like Be the first to like this

No labels

14 Comments



Michele Yoshikawa

@Miroslav Juhos @Ralph Garcia @Joel Nave Juhy, Ralph and I just met with Joel about the Editing a Field section. There is quite a bit of complex interaction there. Is this what you're working on currently for the task NPR-177? If so, please work closely with Ralph to ensure that all of the required use cases are fulfilled. Thanks!



Jan Juna

@ Michele Yoshikawa @ Joel Nave - Hello, can you please describe more "multi select" fields and fields with issues? How these fields should work and how should they be displayed?



Ralph Garcia

I will have that for you today



Joel Nave

<u>@ Jan Juna</u> It means that users could select more than one value for that field. For example for the field Market, the user could select Market A, Market D and Market F.



Jan Juna

Ok.. we should discuss that more with <a> Chris Page and make some plan how to save this multi select value in the database



Jan Juna

also there will be view-only version of this page which will be used for example when the request is being validated.. Can you make simple example of this page?



Michele Yoshikawa

@ Jan Juna | I'm not sure if there is a use case for a view-only version. Two options: display similar to the Original Request Fields section that are read-only. They may have the comment icons if there are comments for a field and the strikethough icon for overridden fields. Another option would be to disable the inputs while validating. Adding @ Ralph Garcia | for his input.



Jan Juna

Michele Yoshikawa - view only version should be used when the request is being validated - users should not be able to update request these requests



Michele Yoshikawa

@ Jan Juna @ Ralph Garcia I was just reviewing the Role and Privileges and I see another use case for read-only. Only the processor who claims the request can edit it, other processors can view and comment on them. Approvers can also view and comment on all requests. That creates a tricky conundrum, how the viewer adds a field-specific comment when he can't change a value? Will there be a comment icon for every field – filled in icon means there are existing comments for the field and hollow icon means there aren't current comments for the field. The user could click on either icon to add a comment for a field. Just throwing out an idea.



Ralph Garcia

I've add a Read-only Form section which talks about this. Will it work okay? @ Michele Yoshikawa



Ralph Garcia

@ Jan Juna | @ Michele Yoshikawa | - multi-select documentation added



Michele Yoshikawa

@ Jan Juna @ Kanda Kaliappan [Administrator] Just added this info. When the user clicks into a field, the drop-down of options shows (up to the first 7 items and is scrollable). If there are recommendations, they are displayed below the list. If the user types-in the field, the droop-down options are filtered based on the type-in text. If the field is toward the bottom of the page, flip the field up, so the options are all visible on the page (this means that Add a Comment is at the top).



Miroslav Juhos

I miss base blue color definition - is it #4986AD?



Ralph Garcia

Base blue is #0387ab

here are the variables in the SASS file:

// Primary Color Palette

\$main: #576472; // grayish blue \$main-tint: lighten(\$main, 45%); \$main-blue: #0387ab; // bright blue \$highlight-blue: #72c9ca; // aqua blue \$highlight-green: #d2db26; //greenish yellow

Also.

http://prototypes.paradata.io/styleguide.html