

# Redmap UX Standards

datagrids

# Redmap Design Standards

---

## 1 - Framework

- Login
- Splash Page
- Top Banner

## 2 - Top Level Tabs

## 3 - Getting Started Panel

## 4 - Add Widget Panel

## 5 - Layout Patterns

- Datagrids
- Detail View
- Master/Detail View
- Portlets
- Charts & Graphs

## 6 - Dialogs & Wizards

- Dialogs
- Wizards
- Popup Windows

## 7 - Feedback

- Messages & Confirmations
- Validations
- Notifications & Banners
- Progress Indicators
- Refresh

## 8 - UI Controls

- Buttons
- Check Boxes
- Disabled Controls
- Dropdown Menus
- Combo Boxes
- Links
- List Boxes
- Object Selector
- Radio Buttons
- Scrollbars
- Sliders and Spinners
- Text Input Boxes
- Tooltips
- Trees

## 9 - Navigation

- Mouse events
- Keyboard Shortcuts
- Selection

## 10 - Visuals and Text

- Icons
- Charts and Graphs
- UI Text
- Capitalization
- Terminology & Word
- Choice
- Labels for UI Controls
- Help

## 11 - Window Size

## 12 - Accessibility

# 5 - Datagrids: 01

The screenshot shows a web application interface with a datagrid. The datagrid has columns for Quantity, Due Date, Status, Severity, Total, Description, Priority, and Characteristics. The status column contains icons and text like 'In progress', 'Awaiting verification', 'Approved', 'Pending approval', and 'Approved'. The severity column contains icons and text like 'High', 'Medium', and 'Low'. The total column contains numerical values like 23944, 6906, 5223, 15478, and 45779. The description column contains 'Lorem ipsum' text. The priority column contains 'P0', 'P2', 'P1', 'P1', and 'P2'. The characteristics column contains dashes. The datagrid is part of an 'Invoice' group under 'SQL1' library. The interface includes a toolbar with icons for refresh, add, delete, and print. A pagination control shows '1' of 75 items. A contextual help icon is located to the right of the datagrid. Annotations with purple lines point to the following elements:

- Pagination**: Points to the pagination control showing '1' of 75 items.
- Toolbar**: Points to the toolbar with icons for refresh, add, delete, and print.
- Column List**: Points to the column headers of the datagrid.
- Item Count**: Points to the '1 - 15 of 75 items' text.
- Contextual Help**: Points to the contextual help icon (i) to the right of the datagrid.

## Guidelines

Datagrids are multi-column lists, which can be used in portlets, wizards, dialogs, and tabs and can contain numerical data, text, icon, controls, or any other information that is multivariate in nature.

Benefit of displaying large lists of objects with properties in datagrids is that users can sort and filter the data display.

### Toolbar

The toolbar provides a set of actions that users can take in the current context.

Organise the actions into maximum three segments. Each segment can be separated by dividers.

- 1) First segment will be the Global Actions
- 2) Actions related to the selected objects in the grid
- 3) An action menu with an arrow for all other actions

Maximum number of actions to show before action menu will be 7. Any more creates usability issues and clutter. Put the extra items in either contextual menu on each object or the action menu.

Use 16px icons for the toolbar actions rather than labels, but display the title of the icons in a tooltip.

Disable actions or icons that don't apply to the selected object in the datagrid. Only enable if action permitted but indicate in the tooltip that the action is disabled due to permissions etc.

Provide tooltips for all actions in the datagrid, paginations. Use only as much information in the tooltips as needed to ensure users understand the consequences of the actions. In some cases words

are enough, for example Close All or Collapse Search Panel. But in other cases, you must add words to help users understand the consequences. The amount of words are a judgment call but if you're

unsure of a title for a tooltip, consult a User Experience expert.

Contextual information icon will be displayed to the right of the grid, unless a filter control is implemented above a datagrid.

### Pagination

Simplify the pagination, only use graphic background on the highlighted page. Simply toolkit design to achieve a simple UX. Ensure the arrows have tooltips and hover actions

# 5 - Datagrids: 02

The screenshot shows a RedMap application interface. At the top, there's a navigation bar with 'Dashboard' and 'My Work' tabs, and a user profile 'Afshin Baktashi'. Below this, there's a section for 'Under SQL1 Library and Invoice Group'. The main area is split into two panes: 'Invoice Fields' and 'History Revision'. The 'Invoice Fields' pane contains a form with fields for 'Dummy', 'Status', 'Approvers', 'ABN', 'Quantity', 'Amount', and 'Description'. The 'History Revision' pane shows a table with columns for 'Quantity', 'Due Date', 'Status', 'Severity', 'Total', 'Description', 'Priority', and 'Characteristics'. Below the table is a pagination bar with '1 - 15 of 75 items'. Annotations with purple lines point to the 'Actions' toolbar, the 'Status' column header, the '1 - 15 of 75 items' item count, and the contextual help icon.

Quantity	Due Date	Status	Severity	Total	Description	Priority	Characteristics
119	05/20/2014	In progress	High	23944	Lorem ipsum	P0	-
118	05/20/2014	Awaiting verification	Medium	6906	Lorem ipsum	P2	-
116	05/20/2014	Approved	Low	5223	Lorem ipsum	P1	-
115	05/20/2014	Pending approval	Medium	15478	Lorem ipsum	P1	-
114	05/20/2014	Approved	Low	45779	Lorem ipsum	P2	-

## Guidelines

### Column List

- 1) The first columns in a datagrid should always be Name, State and Status.
- 2) By default only show a subset of columns that are meaningful to the user.
- 3) Set the column widths to a default size that are large enough to accommodate critical data so truncation does not appear.
- 4) Column rearrangement can be allowed but not to the first column. Name should always remain as the first column.
- 5) Use text only for column headers and a Title style capitalisation for headers, and a sentence style capitalisation for the cell content.
  - eg. Title Style Capitalisation
  - eg. Sentence style capitalisation
- 6) Don't use any units or abbreviations in column headers
- 7) When a column shows a count of objects, set the object column just wide enough for the count and use the object name for the column header.
  - eg. Number of approvals
  - rewrite to: Approvals
- 8) All numerics, dates will be justified right, and all text in columns will be justified left, except the column headers which will always be justified left.
- 9) Try to only show the column filters and sorting arrows on hover, so the UI or column headers do not become cluttered with arrows.
- 10) For Status column always use icons to indicate the actions at hand. This is to improve scanability of the datagrid

### Item Count

- 1) The item count shows the number of items in a grid, for example (15 items). But if the grid is filtered then the number of filtered items out of the entire list (for example, 15 of 75 items).

# 5 - Datagrids: 03

The screenshot shows a RedMap application interface. At the top, there's a navigation bar with 'redmap' logo, 'Dashboard', 'My Work', and user 'Afshin Baktashi'. Below is a breadcrumb 'Under SQL1 Library and Invoice Group'. The main area is split into 'Invoice Fields' (with form fields for Dummy, Status, Approvers, ABN, Quantity, Amount, and Description) and a datagrid. The datagrid has columns: Quantity, Due Date, Status, Severity, Total, Description, Priority, and Characteristics. Below the datagrid is a toolbar with icons for refresh, add, delete, print, and actions. A pagination bar at the bottom shows '1' and '1 - 15 of 75 items'. Purple annotations point to: 'Pagination' (bottom left), 'Toolbar' (top left of datagrid), 'Column List' (top of datagrid), 'Item Count' (bottom right of datagrid), and 'Contextual Help' (info icon in top right of datagrid).

Quantity	Due Date	Status	Severity	Total	Description	Priority	Characteristics
119	05/20/2014	In progress	High	23944	Lorem ipsum	P0	-
118	05/20/2014	Awaiting verification	Medium	6906	Lorem ipsum	P2	-
116	05/20/2014	Approved	Low	5223	Lorem ipsum	P1	-
115	05/20/2014	Pending approval	Medium	15478	Lorem ipsum	P1	-
114	05/20/2014	Approved	Low	45779	Lorem ipsum	P2	-

## Guidelines

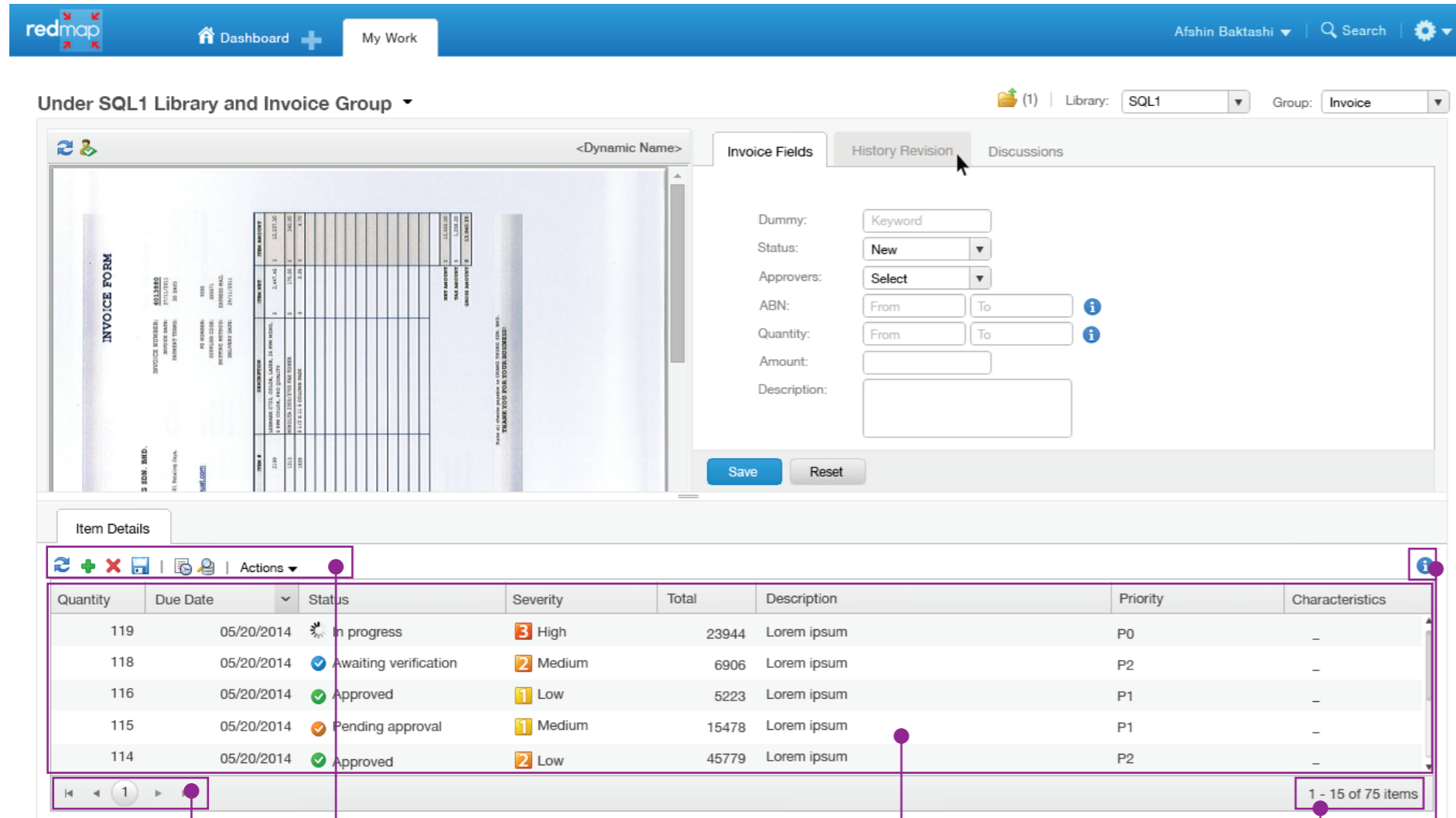
### Rows

- 1) Select the first row by default so all the related actions in the toolbar will be displayed. That way the user can instantly understand the actions available for that particular object.
- 2) In a search result always highlight the selected object, below the search result.
- 3) Ensure that clicking in an empty row deselects the selected row.
- 4) If the selected row has a detailed page, after clicking the row, turn the name or the first column of the object into a hyperlink that opens the page details.

### Column Content

- 1) If your use case requires it, then allow inline editing of a cell
- 2) If there are no data available in a column or row, use a dash mark instead of an empty space
- 3) Use wording specific to a state rather than using Yes or No in a column. For example use Enabled and Disabled to display the State of a user, this aids user's comprehension.
- 4) If the cell in a column only has an icon available, then provide a tooltip. for example if only icons will be available for Status column, then ensure that the user can filter by using words to describe the status example Approved, in Progress etc
- 5) If a cell has a long string of text like description, truncate the text with ellipses (...), and optionally provide a tooltip that shows the full text.
- 6) When a cell contains multiple strings, allow the contents to wrap, up to three lines, any more data either truncate or use a shorter form of data.
- 7) Because it's not feasible for the user to select individual cells, then include an export action as an alternative.
- 8) Avoid placing multiple data objects inside a single cell, if you require this then use the following guidelines:
  - Link the cell contents to detailed information
  - Consider using a popup window or master/detail view to show the full content

# 5 - Datagrids: 04



Pagination

Toolbar

Column List

Item Count

Contextual Help

## Guidelines

### Scrolling

- 1) Vertical scrolling will behave exactly the same way as any other vertical scrolling
- 2) Horizontally scrolling is allowed but not encouraged.

### Multiple View of Data

- 1) Showing different views of the same data can help users better understand the relationship of objects. You can facilitate different views by using a dropdown menu. Place dropdown menu in the toolbar area, if the table grid has no related actions. Otherwise display the dropdown to the right of the table able the datagrid.

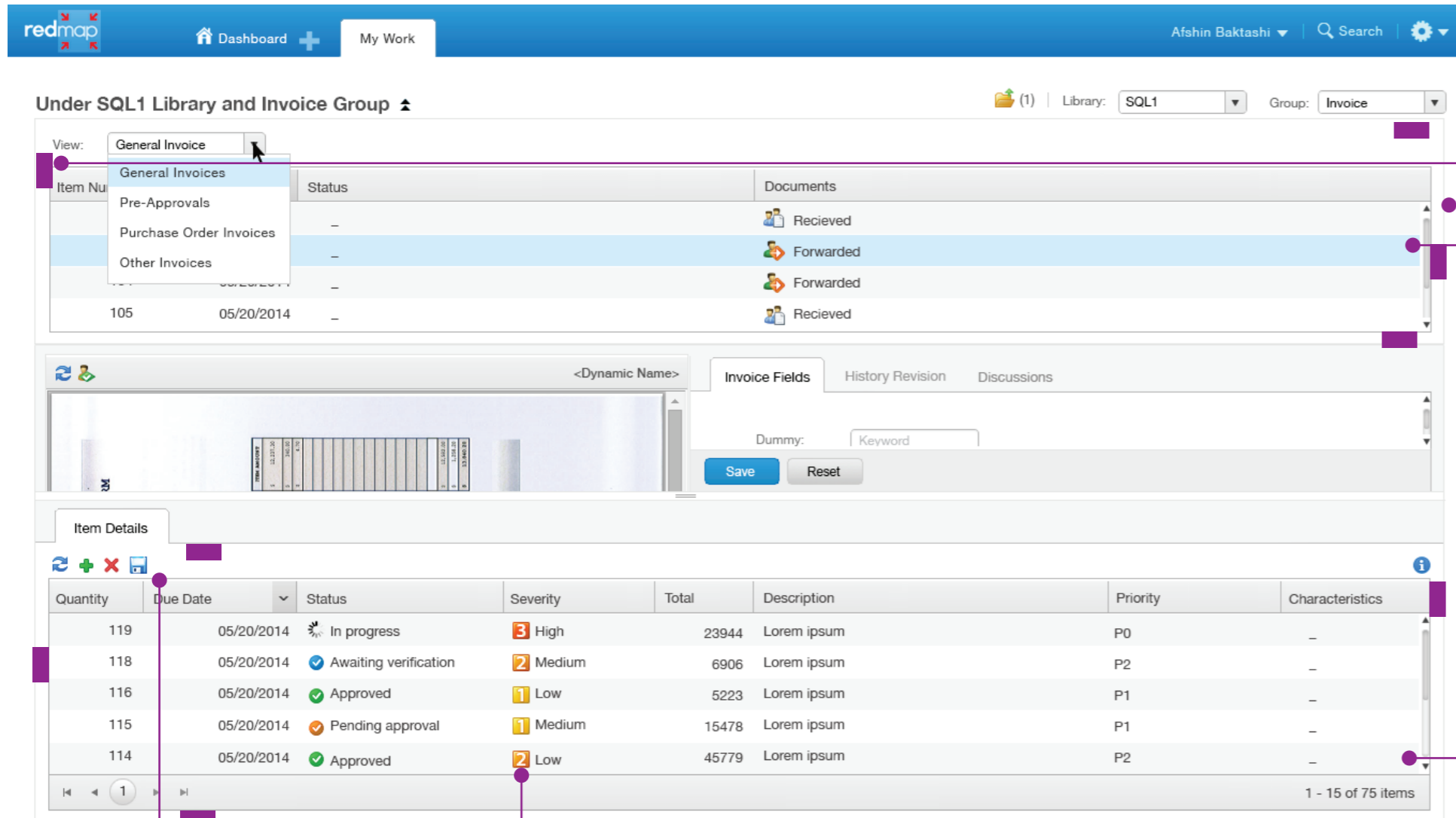
### Inline Editing

- 1) When user hovers over an editable cell, the cell is outlined to indicate that the cell can be edited.
- 2) The user clicks inside the cell to start editing
- 3) Pressing the Enter key or clicking outside of the cell, commits the changes and exists editing mode. And pressing the ESC key exists the editing mode and discards the changes
- 4) Always make the editing control as large as the cell itself when editing
- 5) If the input can be multiline but shows up as a single line in a datagrid, allow the editing area to extend outside the cell for duration of editing. Snap back to normal cell size when focus leaves the cell.

### Hierarchical Datagrid

- 1) In a datagrid the first column is structured as a hierarchy
- 2) A standard disclosure element (a triangle) indicates when an entity has children.
- 3) Use it when the parents and children share the same properties
- 4) Avoid going more than one level deep
- 5) Only the first column in a datagrid may be heirarchical
- 6) If the first column has an icon associated to it, then put the arrow to the left of the icon, so that the Order is Triangle, Icon, and then Text
- 7) Sorting in a hierarchical must always be local

# 5 - Datagrids: 05



**Icon**  
16px  
margin-right: 12px;  
cursor:pointer;  
**divider:**  
1px #999

**Icon**  
margin-right: 5px;

**Guidelines**  
same as above

## Visual Specification

**Datagrids**  
margin: 15px;  
border: 1px solid #E6E6E6

**Column Header**  
height: 30px;  
header background: Kendo UI Uniform Theme, Standard Size  
font-family: open sans, san-serif;  
font-size: 13px;  
text-transform: capitalize;  
color: #454545  
padding:5px;

**Rows**  
border: none;  
grey and white alternate rows by default  
grey - background-color: #F5F5F5  
height: 30px  
hover - background-color: #D1ECFF