New Feature Summary
This document contains specifications for writing interfaces for managing acquisitions administration and configuration settings in Evergreen using the Angular framework.

Overview
Current behavior
Several interfaces for managing administrative settings for acquisitions use the legacy Dojo framework, while some other interfaces were recently ported to Angular as part of the 3.2.0 release.

Development Plan
User interface
Staff user interface details
Currency Management
A new page titled Currencies and Exchange Rates with route /eg2/$LOCALE/staff/admin/acq/currency will be created with a grid listing available currencies. This grid will display the following columns:

- Currency Code
- Currency Label
- Exchange Rates

The grid will include actions to create, modify, or remove a currency. The action to create or modify a currency will display a standard record editing modal to set code and label; the action to delete a currency will display either a modal indicating that the currency cannot be removed (because it is linked to other records) or a modal requesting confirmation of the deletion.
The Exchange Rates column will include a button labeled "Manage Exchange Rates". Clicking this button will display a modal listing the exchange rates from the selected currency to all of the other currencies currently defined. Next to each currency will be an input listing the rate; the user will be able to modify any of the rates, then use a Save button to save all of the changes or an Cancel button to abandon them.

**Fund Management**
A new page with the route /eg2/$LOCALE/staff/admin/acq/funds will be created with a set of tabs:

- Funds
- Funding Sources
- Fund Tags

The Funds tab will display a filterable grid of funds below a data entry form. The data entry form, if no row is selected in the grid, will allow for the creation of a new fund. If a row is selected in the grid, the form will populate and allow for the modification of the fund. The data entry form will have the following fields:

- Name
- Code
- Year
- Org Unit
- Active (which will be checked by default for new funds)
- Balance Stop %
- Balance Warning %
- Propagate
- Rollover

In addition to these fields, the grid will also display the combined balance.

Actions in the Fund tab grid will include Edit Selected, Delete Selected, and View Fund Details. The Fund Name will be hyperlinked and open the Fund Details modal as well.

The Fund Details modal will contain several tabs:

- Summary
- Allocations
- Transfers
- Debits
- Tags

It will also contain buttons to Create Allocation and Transfer Money. The Create Allocation button will open a popover allowing the user to select a funding source, the amount to allocate from that funding source, and a note. The Transfer Money button will open a popover allowing the user to select a Destination Fund, Source Amount, and note.
The Fund Details modal’s Summary tab will display the following:

- Fund ID
- Fund Code
- Year
- Owner
- Currency
- Balance
- Total Allocated
- Spent Balance
- Total Debits
- Total Spent
- Total Encumbered

The Fund Details modal’s Allocations tab will contain a filterable grid of allocations including the following columns:

- Funding Source (which will be hyperlinked and open the Funding Source in a new tab)
- Amount
- Create Time
- Allocating User (this will display the user name rather than the user ID as was the cause in the legacy interface)
- Note

The Fund Details modal’s Transfers tab will contain a filterable grid of transfers including the following columns:

- Source Fund (which, if not the same as the fund being viewed in the Fund Details modal) will be hyperlinked and open the fund in a new tab
- Source Amount
- Destination Fund (which, if not the same as the fund being viewed in the Fund Details modal) will be hyperlinked and open the fund in a new tab
- Destination Amount
- Transfer Time
- Transfer Staff Users
- Note
- Funding Source (which will be hyperlinked and open the Funding Source in a new tab)

The Fund Details modal’s Debits tab will contain a filterable grid of debits including the following columns:

- Amount
- Encumbrance
- Debit Type
- Origin Amount
- Origin Currency
• Create Time
• Invoice ID (which will be hyperlinked and open the invoice in a new tab)
• PO Name (which will be hyperlinked and open the purchase order in a new tab)
• Line item (which will be hyperlinked and open the line item in a new tab)

The Fund Details modal’s Tags tab will contain a list of tags associated with the fund. Each tag will be accompanied by a button allowing the tag to be immediately removed. There will also be a dropdown of available tags that can be used to add tags to the fund.

The Funds tab will include a Fund Propagation and Rollover button that will open a modal. This modal will include

• Display of the owning org unit of the fund
• Checkbox on whether to include funds from descendent org units
• A checkbox to specify propagating funds
• A checkbox to specify performing the Fiscal Year Close-Out. A warning will be displayed via a dismissible modal if the user does not have the "Dry Run" checkbox checked as well.
• A checkbox to specify whether Fiscal Year Close-Out should apply only to Encumbrances
• A checkbox (which will be selected by default) to specify that the fund rollover should be done in Dry Run mode.

Each checkbox will be accompanied by a help popover with text as described in the mockup.

The Funding Sources tab will display a filterable grid of funding sources below a data entry form. The data entry form, if no row is selected in the grid, will allow for the creation of a new funding source. If a row is selected in the grid, the form will populate and allow for the modification of the funding source. Actions for the grid will include:

• Edit Selected
• Delete Selected
• Apply Credits. This will display a modal allowing the user to set note and amount for a credit.
• Allocate to Fund. This will display a modal allowing the user to select a destination fund and set an amount and note for the allocation.
• View Credits
• View Allocations

View Credits will open a modal with two tabs. One tab, Credits, will display filterable grid of credits associated with the funding source. This will include amount, effective dates, deadline date, and note columns. The grid will also have an Apply Credits button to open the Apply Credits popover. The second tab, Allocations, will display a filterable grid of allocations, including fund, amount, create time, allocating user, and note columns. This grid will include an Allocate to Fund button that will open the corresponding popover.
The Fund Tags tab on the Funds page will display a data entry form and a filterable grid of tags. The input form and the grid will include:

- Fund Tag Owner (org unit)
- Fund Tag Name

Actions in the grid include Edit Selected and Delete Selected.

**Claims Policy Management**
A new page with the route /eg2/$LOCALE/staff/admin/acq/claiming will be created with a set of tabs:

- Claim Policies
- Claim Policy Actions
- Claim Types
- Claim Event Types

Each tab will contain a filterable grid allowing the creation, modification, or deletion of the corresponding claim policy record type. Each tab will otherwise function similarly to the existing Angular page for each record type.

**Distribution Formulas**
The Distributions Formula page will include a filterable grid of distribution formulas including the following columns:

- Name
- Owner
- Item Count

The grid will have actions to create, delete, modify, and clone distribution formulas.

The action of creating or editing a formula will display a modal. This modal will include inputs for the Formula Name, Formula Owner, and Skip Count. It will also include a list of entries associated with the formula including:

- Owning library
- Shelving location
- Fund
- Circ Modifier
- Collection Code
- Item Count
- A button to delete the current entry

Each entry in that list (with the exception of the delete button) will be an input widget allowing the user to change values directly.

At the bottom of that list will be an input form allowing the user to select values and add a new entry.
The modal will include a Save button to save all changes to the formula and a cancel button to abandon all changes.

The action of deleting a distribution formula will display a modal asking the user to confirm the deletion.

The action of cloning a distribution formula will open the distribution formula modal with a copy of the selected formula (with its name set to the original formula name followed by "(clone)"). The user will be able to save the cloned formula, possibly with modifications, normally.

**EDI Attribute Sets**

A new page with the route `/eg2/$LOCALE/staff/admin/acq/edi_attr_set` will be created with a grid listing available EDI attribute sets. This grid will display the following columns by default:

- EDI Attribute Set Label
- Vendors using attribute set: this column will display the number of provider records using the selected attribute set. Next to the column will be a button labeled "View Providers"; when clicked, that button will open a modal displaying a filterable grid of providers that are linked to the attribute set via an EDI account. The grid will include Provider Name and owning library by default; the provider name will be a hyperlink that will open a new browser tab directed at the EDI Accounts tab of the provider record.

The grid will have actions to create, modify, or remove attribute sets. Actions to create or modify an attribute set will display a modal. The body of the modal will display two columns; the first column will be checkbox, the second column will be the code of the corresponding attribute. The second column will also include popovers with text to display an explanation of the attribute. The user will be able to check or uncheck values, then make use of a Save or Cancel button to either save the changes to the attribute set (or create a new one) or abandon the edit.

The action to remove an attribute set will display a modal. If the attribute set has one or more EDI accounts associated with it, the modal will indicate that the user cannot delete the attribute set. If the attribute set has no EDI accounts linked to it, the modal will instead ask the user to confirm the deletion.

**Interfaces that will not be changed**

The following administrative interfaces already have Angular versions that are suitable for purpose and do not have compelling reasons to be redesigned. Consequently, they will not be changed during this sprint:

- Cancel Reasons
- Invoice Item Types
- Invoice Payment Method
- Line Item Alerts
- Line Item MARC Attribute Definitions
Other User Interface Details
Legacy Dojo interfaces corresponding to the administrative interfaces either converted to Angular or rewritten will be removed during this sprint.

The Angular Currency Type and Exchange Rate pages will be removed as they will be subsumed by the new unified currency and exchange rates page. The Acquisitions Administration Page will be updated as well to point to the unified currency page.

The Angular Claim Event Types, Claim Policies, Claim Policy Actions, and Claim Types pages will be removed as they will be subsumed by the new unified claim policy management page.

Workflow changes
No significant workflow changes are expected as a result of this sprint; various administrative interfaces will simply be replaced with Angular versions.

Settings & permissions
No additional permissions will be created as a result of this sprint. Each new grid adding during this sprint will have a new workstation setting for saving grid configuration.

Public catalog details
The sprint makes no changes to the public catalog.

Implementation Areas
Database
This sprint makes no changes to database structure.

Business Logic
Existing APIs and PCRUD APIs will be used for fetching and modifying administrative data.

One change will be made to the text of auto-generated fund allocation notes. Specifically, when a transfer of money is made from one fund to another, rows are created in the acq.fund_allocation table as well as the acq.fund_transfer table. The note field of the fund_allocation rows is automatically generated and current contains either “Transfer to fund FUNDID” or “Transfer from fund FUNDID” depending on the direction of the transfer. During this sprint, the text of the note will instead be generated as “Transfer to/from FUND_OWNING_LIBRARY_CODE FUND_CODE (FISCAL_YEAR)”. This will affect only fund_allocation rows created via transfers; no attempt will be made to update existing fund allocation notes. The user will be able to edit such fund allocation notes, as with any others.

Ancillary details
Identification of non-ordinary seed data
No additional seed data is expected to be created for this sprint.

Identification of any potential upgrade deviations
No special upgrade considerations are expected as a result of this sprint.
Security Consideration Planning
This development introduces no special security concerns and maintains existing patterns of permission and authentication.

Quality Assurance Planning
Performance Implications or Concerns
There are no particular performance concerns associated with this work.

Recommended Unit and Regression Testing
Angular unit tests will be written for the new and updated components.

Recommended Compliance and Accessibility Testing
We will develop new features in accordance with existing OPAC WCAG compliance, and will test usability in desktop versions of Chrome and Firefox.

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Mockups

Mockups are for illustrative purposes only and details may change in the implementation at the discretion of developers.

Currency Management
Manage Exchange Rates

Manage Exchange Rates for USD: US Dollar

Enter exchange rates from US Dollar to other currencies:

- CAD (Canadian Dollar) 1.33
- EUR (Euro) 0.88

Save  Cancel
**Fund Details – Summary**

### Evergreen Staff Acquisitions


#### Fund Details -- Juvenile (JUV 2018)

<table>
<thead>
<tr>
<th>#</th>
<th>ID</th>
<th>Code</th>
<th>Year</th>
<th>Owner</th>
<th>Currency</th>
<th>Balance</th>
<th>Total Allocated</th>
<th>Spent Balance</th>
<th>Total Debits</th>
<th>Total Spent</th>
<th>Total Encumbered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>JUV 2018</td>
<td>BR1</td>
<td>USD</td>
<td>$2000.00</td>
<td>$2000.00</td>
<td>$2000.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
</tbody>
</table>

**Funding Source:** Choose Source

**Amount:**

**Note:**

**Destination Fund:** Choose Fund

**Source Amount:**

**Amount to transfer from JUV (2018):**

**Note:**

---

equinoxinitiative.org
# Fund Details – Allocations

## Fund Details -- Juvenile (JUV 2018)

<table>
<thead>
<tr>
<th>#</th>
<th>Funding Source</th>
<th>Amount</th>
<th>Create Time</th>
<th>Allocating User</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LSTA</td>
<td>$2000.00</td>
<td>4/3/18 10:56am</td>
<td>britbreid</td>
<td>Transfer from fund BR1 FIC (2018)</td>
</tr>
</tbody>
</table>

This auto generated note (created during transfers) will include the owning OU, fund code, and year.

Link opens in new tab
Fund Details – Transfers

### Fund Details -- Juvenile (JUV 2018)

<table>
<thead>
<tr>
<th>#</th>
<th>Source Fund</th>
<th>Source Amount</th>
<th>Destination Fund</th>
<th>Destination Amount</th>
<th>Transfer Time</th>
<th>Transfer Staff Users</th>
<th>Note</th>
<th>Funding Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FIC</td>
<td>$500.00</td>
<td>JUV</td>
<td>500.00</td>
<td>4/3/18 10:56am</td>
<td>blbreid</td>
<td>text</td>
<td>LSTA</td>
</tr>
</tbody>
</table>

Linked items open in new tab

Source: [equinoxinitiative.org](http://equinoxinitiative.org)
### Fund Details – Debits

**Evergreen Staff Acquisitions**

[Link to Evergreen Staff Acquisitions](https://webby.evergreencatalog.com/eg2/en-US/staff/admin/acq/funds)

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### Fund Details -- Juvenile (JUV 2018)

- **Create Allocation**
- **Transfer Money**

#### Summary

<table>
<thead>
<tr>
<th>#</th>
<th>Amount</th>
<th>Encumbrance</th>
<th>Debit Type</th>
<th>Origin Amount</th>
<th>Origin Currency</th>
<th>Create Time</th>
<th>Invoice ID</th>
<th>PO Name</th>
<th>Line Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$20.00</td>
<td>False</td>
<td>direct_charge</td>
<td>$20.00</td>
<td>USD</td>
<td>2/20/18 3:43pm</td>
<td>123456</td>
<td>Books1</td>
<td>111</td>
</tr>
<tr>
<td>2</td>
<td>$0.00</td>
<td>True</td>
<td>direct_charge</td>
<td>$100.00</td>
<td>USD</td>
<td>2/20/18 3:42pm</td>
<td>123455</td>
<td>Books2</td>
<td>112</td>
</tr>
<tr>
<td>3</td>
<td>$20.00</td>
<td>False</td>
<td>purchase</td>
<td>$20.00</td>
<td>USD</td>
<td>2/20/18 3:06pm</td>
<td>123454</td>
<td>Books2</td>
<td>333</td>
</tr>
</tbody>
</table>

---

*Linked items open in new tab*
Fund Details – Tags

Fund Details -- Juvenile (JUV 2018)

Select Tag ▼ Add
Fund Propagation and Rollover

Fund Propagation and Rollover -- Juvenile (JUV 2018)

Org Unit: BR1

- Include funds from descendant Org Units?
- Propagate Funds
- Perform Fiscal Year Close-Out
- Limit Fiscal Year Close-Out to Encumbrances
- Dry Run -- no data will be changed

Users will be warned if they have Close Out selected without Dry Run selected.

Tooltip text:

**Propagate Funds**
Propagate Funds creates new funds for the next fiscal year. Propagating funds will not affect the money or encumbrances in the funds. Only funds that have the Propagate setting enabled will be affected.

**Perform Fiscal Year Close-out**
Perform Fiscal Year Close-out moves encumbrances to the corresponding fund for the next fiscal year and deactivates funds for the selected fiscal year. If funds have the Rollover setting enabled, all unspent money will also be moved to the corresponding fund for the next fiscal year.

**Limit Fiscal Year Close-out to Encumbrances** (currently this option only displays if the Lib Setting “Allow funds to be rolled over without bringing the money along” is set to True.)
This option will limit the Perform Fiscal Year Close-out procedure to only move encumbrances to the corresponding fund for the next fiscal year. Any unspent money in the funds will not rollover.

**Dry Run**
Select Dry Run to see a preview of the changes that would occur based on the selected actions. Data will not be changed when Dry Run is selected.
Funding Sources

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Funding Sources:

![Funding Sources](https://webbyevergreencatalog.com/eg2/en-US/staff/admin/acq/funding_source)

Owner: BR1
Source Name: text
Code: CONS
Currency: USD
Balance: 1000.00
Total Credits: 10000.00
Total Debits: 9000.00
Funding Sources – Credits


Funding Source: LSTA

Apply Credits

Amount: [Input Field]
Note: [Input Field]

Apply

<table>
<thead>
<tr>
<th>#</th>
<th>Amount</th>
<th>Effective Date</th>
<th>Deadline Date</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10000.00</td>
<td>4/4/18 10:25am</td>
<td></td>
<td>note text</td>
</tr>
</tbody>
</table>

Close
Funding Sources– Allocations

Funding Source: LSTA

Allocate to Fund

- Fund: Choose Fund
- Amount:
- Note:
- Apply

1. Fund: AD
   Amount: 3000
   Create Time: 4/6/18 5:19pm
   Allocating User: brbreid
   Note: "Transfer from fund BR1 AFIC (2018)"

'Fund' links out to Fund Details >> Summary (open in new browser tab)

The auto generated note text (created during transfers) will include owning OU, fund code, and year

equinoxinitiative.org
Fund Tags

![Fund Tags interface](image-url)
## Distribution Formulas

### Evergreen Staff Acquisitions

Distribution Formulas

<table>
<thead>
<tr>
<th>#</th>
<th>Formula Name</th>
<th>Formula Owner</th>
<th>Item Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New Books</td>
<td>BR1</td>
<td>3</td>
</tr>
</tbody>
</table>

Columns: as shown

Actions: Create New Formula, Delete Selected, Modify Formula, Clone Formula
Distribution Formulas – Add/Edit modal

Distribution Formula

Formula Name

Formula Owner

Skip Count

Owning Library

Shelving Location

Fund

Circ Modifier

Collection Code

Item Count

OrgUnit

Location

Fund

CircMod

Save

Cancel
EDI Attribute Sets

<table>
<thead>
<tr>
<th>#</th>
<th>Attribute Set Label</th>
<th># of Vendors Using Attribute Set</th>
<th>View Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Attribute Set 1</td>
<td>3</td>
<td>View Providers</td>
</tr>
<tr>
<td>2</td>
<td>Attribute Set 2</td>
<td>1</td>
<td>View Providers</td>
</tr>
<tr>
<td>3</td>
<td>Attribute Set 3</td>
<td>1</td>
<td>View Providers</td>
</tr>
</tbody>
</table>

Columns: as shown
Actions: Create Attribute Set, Modify Attribute Set, Remove Attribute Set
EDI Attribute Sets – View Providers modal

Attribute Set 1: Providers

<table>
<thead>
<tr>
<th>Provider Name</th>
<th>Owning Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>text</td>
<td>OrgUnit</td>
</tr>
<tr>
<td>Bookplate</td>
<td>BR1</td>
</tr>
<tr>
<td>Complete Bookseller</td>
<td>BR2</td>
</tr>
<tr>
<td>Betterton Books</td>
<td>BR1</td>
</tr>
</tbody>
</table>

Links to the Provider's EDI Accounts page (opens in new tab)
EDI Attribute Sets – Create/Modify modal
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