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Banner Extensibility

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Disclaimer

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The Big Picture

Banner Admin Extensibility (Eclipse plugins)

Text Manager

Theme Editor

Page Builder

Configure Page Components

Database Configurations

Banner Integration Approaches



Integration Approach	On-Premise	Managed Cloud	SaaS
Ethos APIs	✓	✓	✓
Banner APIs	✓	V	√ *
Cloud-friendly Partner and Third- Party Integrations	✓	✓	✓
MDUU	✓	V	V
DB connection	✓	V	
3 rd party Integration (e.g., Axiom, Jitterbit, Oracle Integration)	✓	√ *	
Anything else	✓		

What's supported in SaaS – Custom/Mods



Supported:

- ✓ Supplemental Data Engine (SDE)
- ✓ Mass Data Update Utility (MDUU)
- ✓ Page Builder
- √ Theme Editor
- ✓ Text Manager
- ✓ Business Rules Form (GORRSQL)
- ✓ Embedded Reporting

Not supported:

- × Changes to schema objects
- × Admin page extensions/modification
- × New or modified Self Service pages
- New or modified Job submission jobs (C, Java, Oracle Rpts, etc.)
- × New or modified tables or views
- New or modified: Triggers, Packages, Functions, Procedures, indexes
- SQL, SQL/Developer, TOAD, Host command access
- × Direct modification of CSS Files





Banner Admin Extensibility

Provides the ability to:

- Create new Banner Administrative pages
- Create extensions for baseline Banner Administrative pages

Banner Administrative Extensibility: Recent Updates

Newest versions March 19

- Foundations 2.13.10
- Frames 2.8.7
- Templates 1.5

Recent Improvements

- Support of Clob and Blob Variables
- Checkbox improvements
- New template for Application Pages
- Improved templates: Keyblock, Validation & Inquiry Page
- Ability to extend associations and Edit Panels
- Defect corrections to the plugins

Documentation additions

- Parts & extending panels
- Steps for extending associations
- References for Foundation Block, Task & Item services, Canvas Use Cases

For more information

EL256851 - Development and Maintenance Strategies for Ellucian Banner Admin Pages RECORDING

Banner 9 Documentation Library:

- Banner Transformed: Extending your Administrative Application
- Banner Transformed Working with Eclipse and Your Administrative Application
- Banner Transformed Administrative Page Developers Reference Guide

Available Training:

- On Demand–Extend Banner Administrative Pages
- Instructor Led Classes Course Catalog

Ellucian Education Services Course Catalog

https://www.ellucian.com/solutions/course-catalog

Banner Technical

Banner Technical: A Developers Overview: Getting Started in Banner 9 Self-Service	Virtual
Banner Technical: A Developers Overview: Getting Started in Banner 9 Self-Service	Virtual
Banner Technical: Extending Banner 9 Admin Apps	Virtual
Banner Technical: Extending Banner 9 Admin Apps	Virtual
Banner Technical: Extending Banner 9 Admin Apps	Virtual
Banner Technical: Introduction to Groovy and Grails	Virtual
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Banner Technical: Introduction to Groovy and Grails	Virtual
Banner Technical: Introduction to Groovy and Grails	Virtual
Banner Technical: Java and Object Oriented Programming Overview	Virtual
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Text Manager

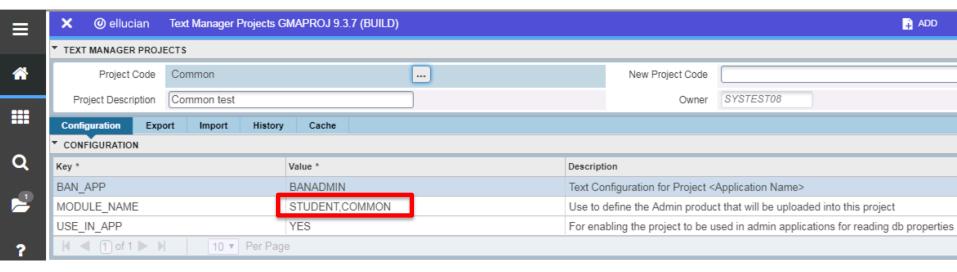
Provides the ability to substitute your terminology in place of the Banner baseline terminology

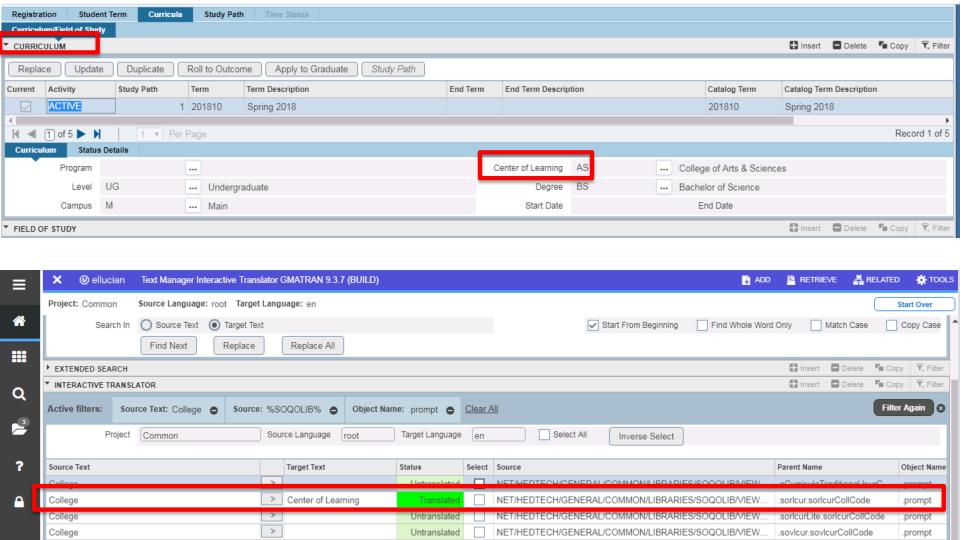
Class Freshman

Course First Year Student

Text Manager

Support for Banner Admin Library Properties





For more information

Documentation:

- Banner General Text Manager Handbook
- Individual Self-Service application guides

Available Training:

On Demand-Text Manager Implementation

EL252716 - Branding and Managing Text in Your Ellucian Banner Applications



Page Builder

Provides the ability to build Banner 9 pages

- Course program of study
- Students request transcripts or reprinting their degree
- Employee Directory
- Consolidating multiple Admin pages into a Page Builder page

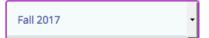
Page Builder Example: Course Program of Study (CPOS)

Overview

You should immediately review these registrations and pay particular attention to the "Count In Aid" column. Classes marked a 'No' will not be included in your financial aid funding and you will be solely responsible for payment of these classes.

Additionally, any class in the "Count In Program" column as 'No' will not count toward your graduation requirements. These classes are taken at your discretion. Please consult with a Counselor for further information or assistance.

Term Selection:



CPOS Audit Results:

CRN	Subject	Course	Remedial	ESL	Count for Aid	Count in Program
11846	MKRT	123	No	No	No	No
13445	BADV	100	No	No	No	No
13446	BADV	110	No	No	No	No

https://ecommunities.ellucian.com/thread/61201

Recent enhancements

Admin Security for Page Builder pages

Set up GSASECR security in addition to Web Tailor roles

Page Builder Admin pages integrated with Application Navigator (AppNav)

Access Page Builder Pages from the Banner AppNav menu

Home Page URL

To prevent end users from "landing" on the Page Builder landing page

Improved User interface interaction for Page Builder Developers

- Visual Page Composer split screen
- Navigation improvements
- Searching improvements

Quality improvements

Defect Corrections

Page Builder Releases Coming in 2019

Banner Extensibility 9.4 (June 2019)

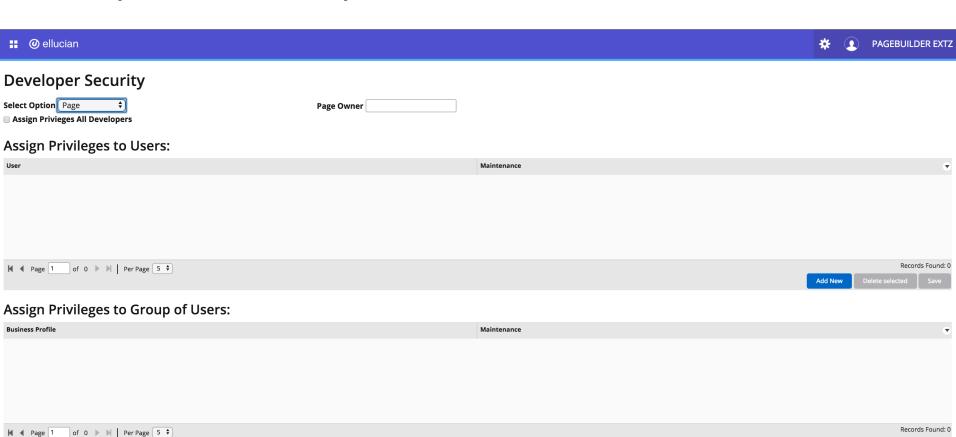
Page Builder Developer Security enhancements

Banner Extensibility 9.5 (August 2019)

Technology upgrade to Grails 3

EL253619 - Leverage Page Builder in Ellucian Banner Admin

Sneak peak - work in process



Under future consideration

Enhanced integration with Banner 9 Baseline Admin Pages:

- Support for sharing global values with other Admin Pages
- Called from Quickflows
- Tracking User access for Page Builder pages
- Called from "Related Pages"





Page Builder at Ellucian Live

EL252725 - Pushing the Page Builder Envelope

EL254083 - Developing an Ellucian Banner Admin Page in Page Builder

EL253619 - Leverage Page Builder in Ellucian Banner Admin

For more information

Documentation:

- Banner Extensibility Handbook
- Banner Extensibility Installation Guide

Community – Banner General and Technical Space

On-demand course Page Builder Installation and Implementation

Page Builder Sessions	Presenter
EL254083 - Developing an Ellucian Banner Admin Page in Page Builder	Utah Valley University
EL256790 - Ellucian Banner Page Builder Technical Deep Dive	Ellucian
EL253100 - Building Innovative Pages with Page Builder	Ellucian
EL252725 - Pushing the Page Builder Envelope	Wichita State University
EL253619 - Leverage Page Builder in Ellucian Banner Admin-Upcoming features	Ellucian
EL256873 - Custom Forms conversion? We are doing it and so can you!	Community College of Philadelphia
EL251992 - Ellucian Banner Financial Aid: Extensibility Tools	Ellucian
EL256539 - Using Banner Human Resources and Page Builder to Meet Your HCM Needs	Ellucian



Database Configurations for Self-Service Applications

Provides the ability to configure
Self-Service applications through Banner Admin pages
without a restart

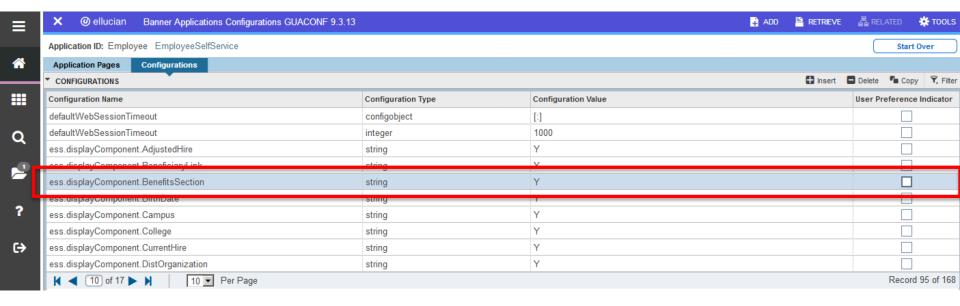
Ability to change page roles for Banner 9 Self-Service

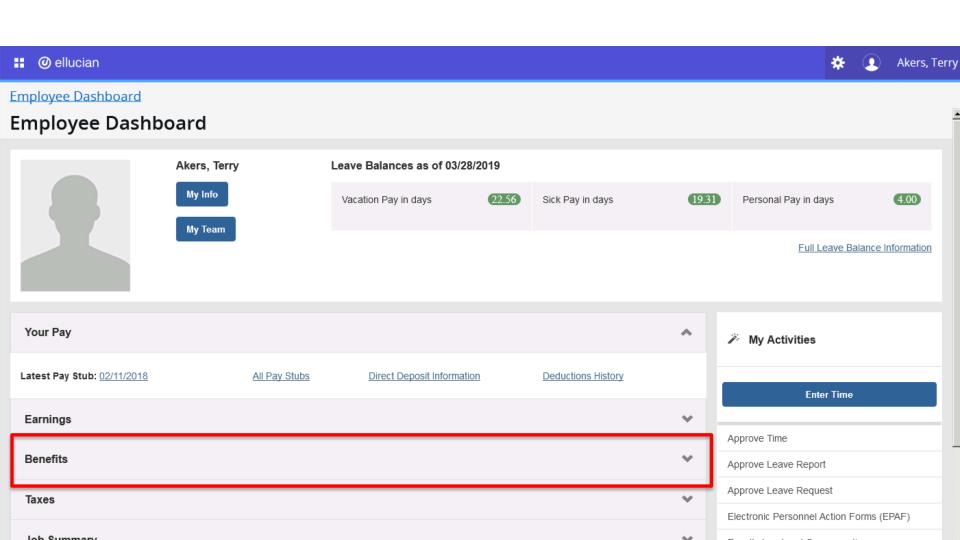
Database Configuration for Self-Service

- Manage Self-Service Configurations through Admin Pages
 - No restart required
 - Change configuration values on Banner General Admin pages
 - Configuration follows database cloning
- Banner General New pages
 - Banner Applications (GUAAPPL)
 - Banner Application Configurations (GUACONF)
- Support for user level configurations

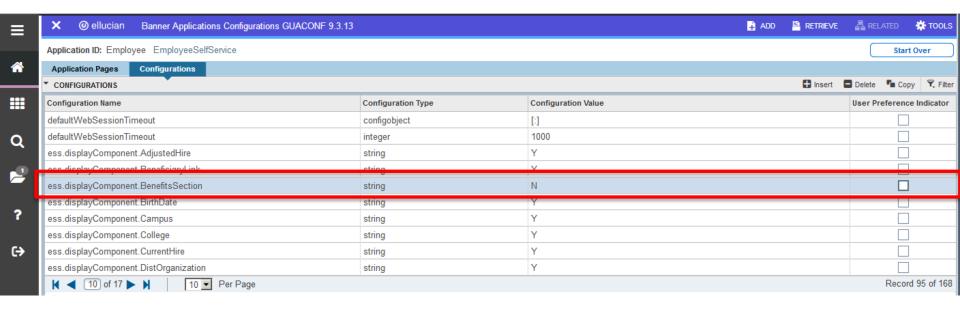
EL286502 - Configure Ellucian
Banner with the Banner
Applications Configuration
(GUACONF) Page

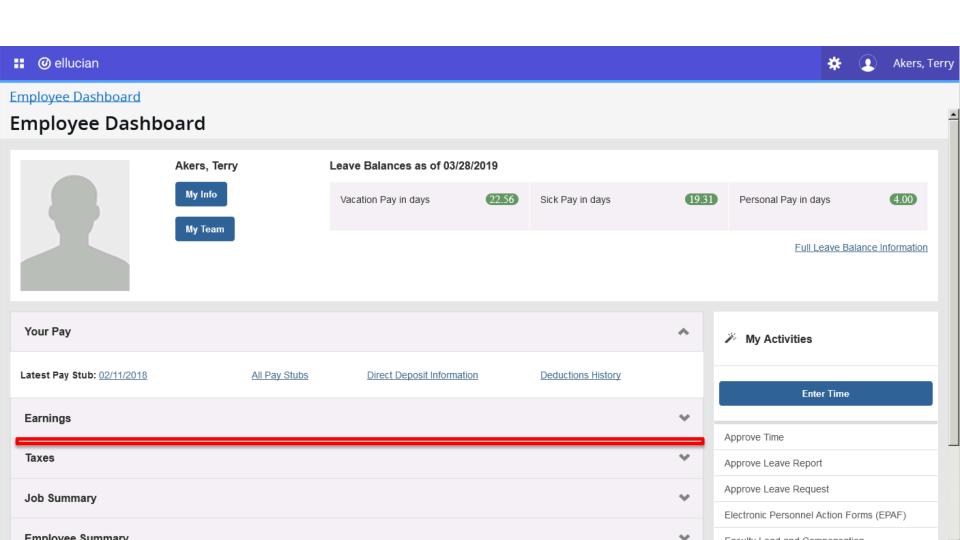
Example configurations in GUACONF





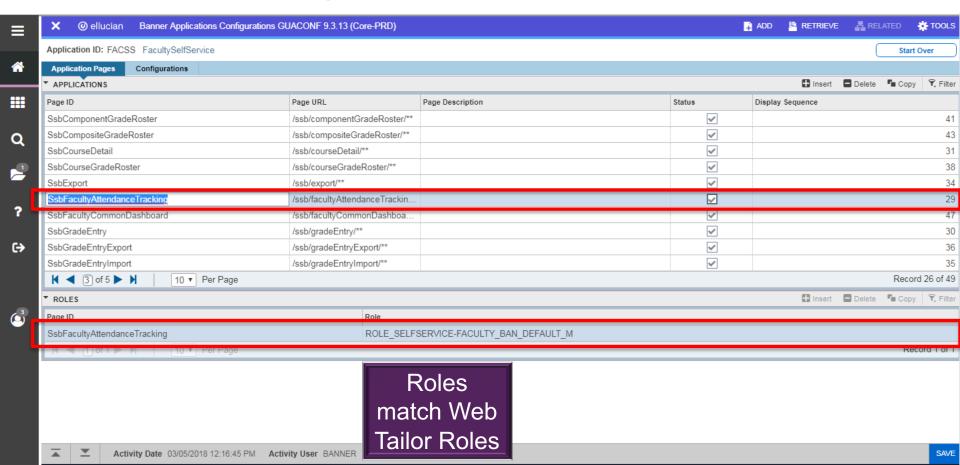
Update Benefits section to display = N



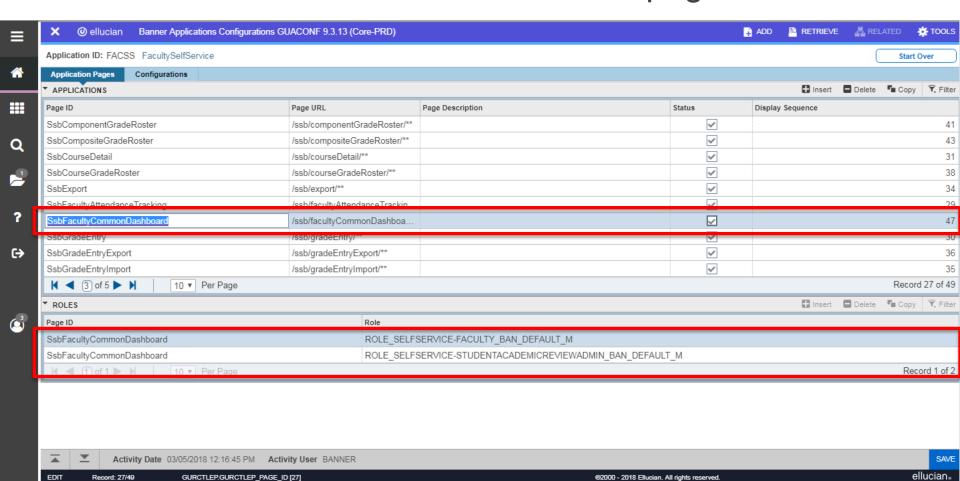




How to Update Page Roles



Different roles can be defined for each page



Theming across Ellucian applications Ellucian Theme Editor @ ellucian.

Ellucian Theme Editor

Provides the ability to theme applications from the cloud:

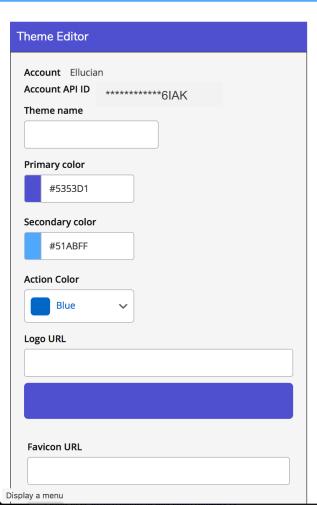
- Custom colors
- Background image
- Logo
- Favicon

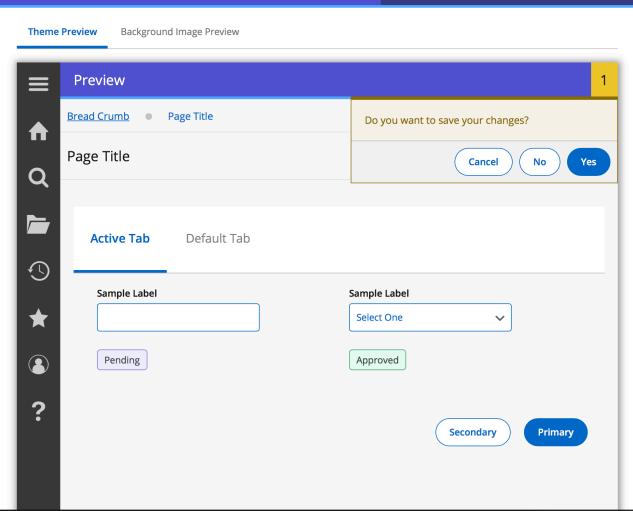






Cindy Szkaradnik



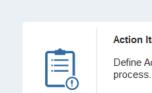




Terry Akers

Action Item Management

Action Item Management



Action Item Status

Define Action Item status and if the Action Item Status prevents a process.



Manage Folders, Populations and Queries

Open Banner Communication Management to:

- Set up folders for organizing Groups, Action Items and Populations. - Maintain populations and population queries for posting Action Items.



Action Items

Create and maintain Action Items.



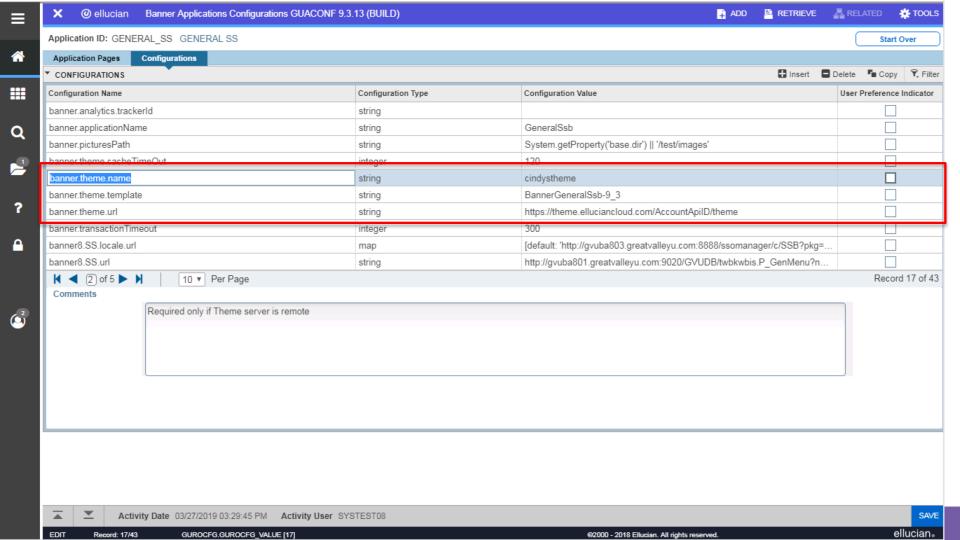
Groups

Maintain titles and instruction for Groups and assign Action Items to a Group.



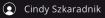
Post Action Items

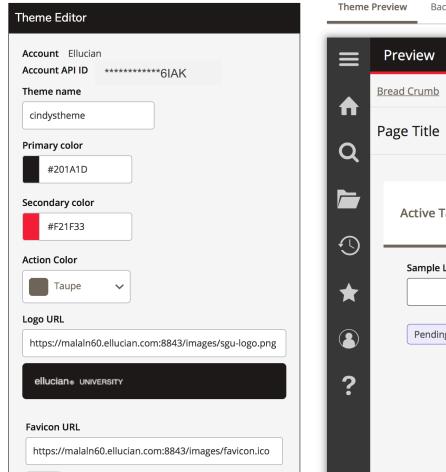
Schedule and post Action items to a population.

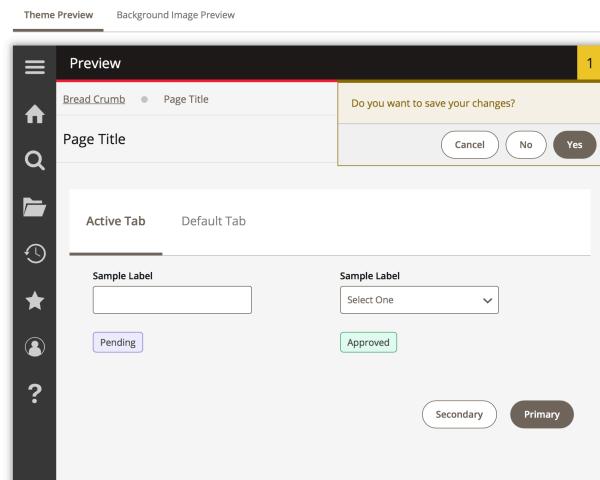














Action Item Management

Action Item Management



Action Item Status

Define Action Item status and if the Action Item Status prevents a process.



Manage Folders, Populations and Queries

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Action Items

Create and maintain Action Items.



Groups

Maintain titles and instruction for Groups and assign Action Items to a Group.



Post Action Items

Schedule and post Action items to a population.

Ellucian Theme Editor – Coming Next

Roadmap items - 2019:

- Multiple Logos
- Multiple Background Images

EL252716 - Branding and Managing Text in Your Ellucian Banner Applications

For more information

Documentation:

- Banner Extensibility Handbook
- Banner Extensibility Installation Guide
- Banner Transformed: Branding Your Administrative Application
- Ellucian Theme Editor Handbook
- Cloud Status Page https://status.elluciancloud.com



