



CUSTOMIZING ACTIVITY GUIDES

SESSION 6010

November 14, 2018

PRESENTERS

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OVERVIEW

1. About NAIT
2. The Project
3. Activity Guide Challenges
4. Guiding Principals
5. The Approaches



NAIT

Northern Alberta
Institute of Technology

CANADA ALLIANCE 12-14 NOVEMBER 2018

ABOUT NAIT

~40,000 students in 3 careers each year

- Credit Programs: ~16,000
- Non-Credit: ~14,400
- Apprentices: ~9,600

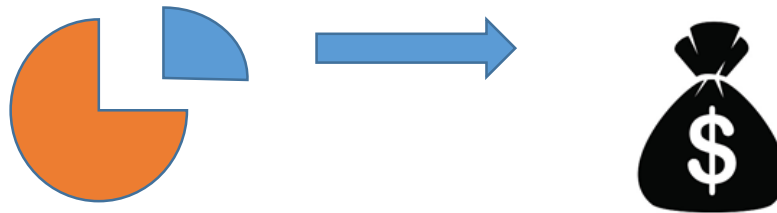
~ 1,000 Active Awards

~ 4,200 Recipients



THE PROJECT

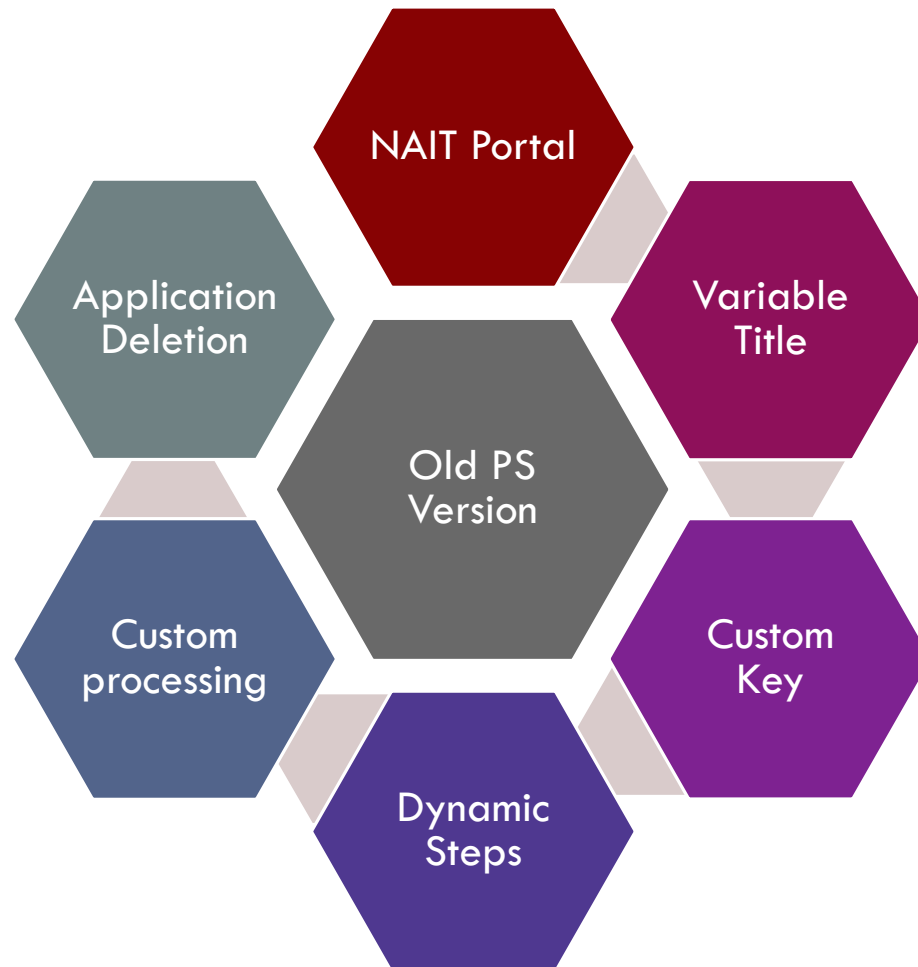
~ Unguided Applications



~ 8 application periods over 4 terms

- Historical: In a **year**: 8,000 students 29,000 apps
- This year: One **term**: 5,500 students 73,000 apps

ACTIVITY GUIDE CHALLENGES



GUIDING PRINCIPALS

Goals

Minimize
customization

Future
maintainability

Approaches

Customize
Delivered

Clone

Extend App
Class

Bolt-on



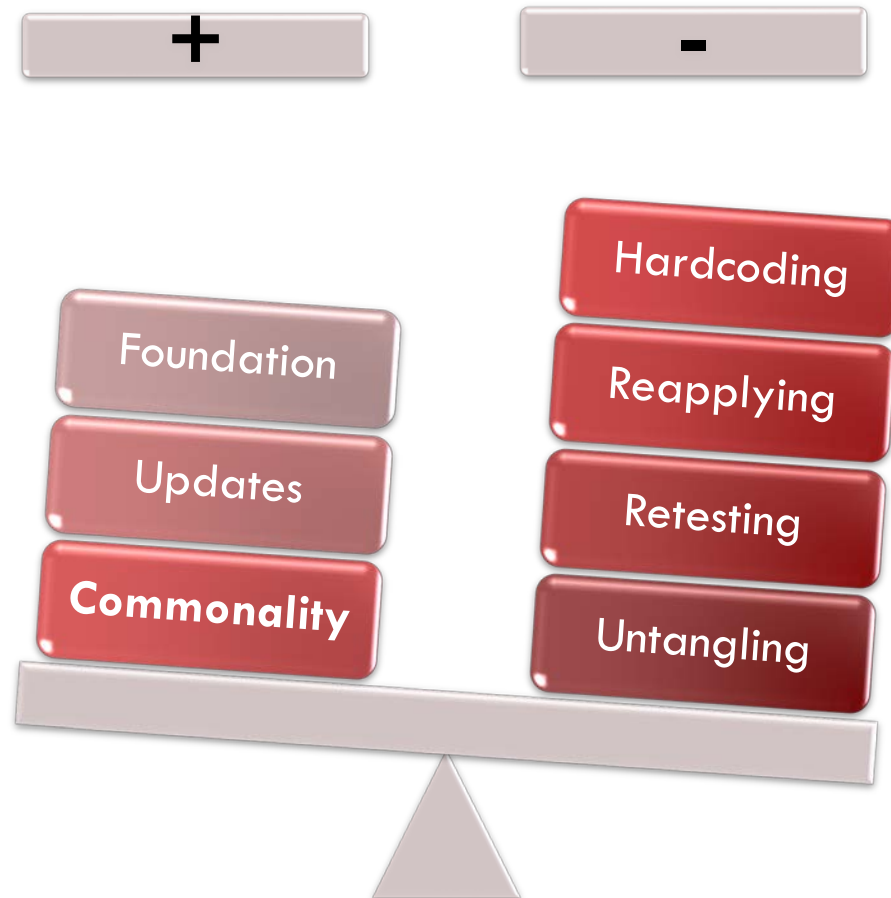
THE APPROACHES



CUSTOMIZE DELIVERED



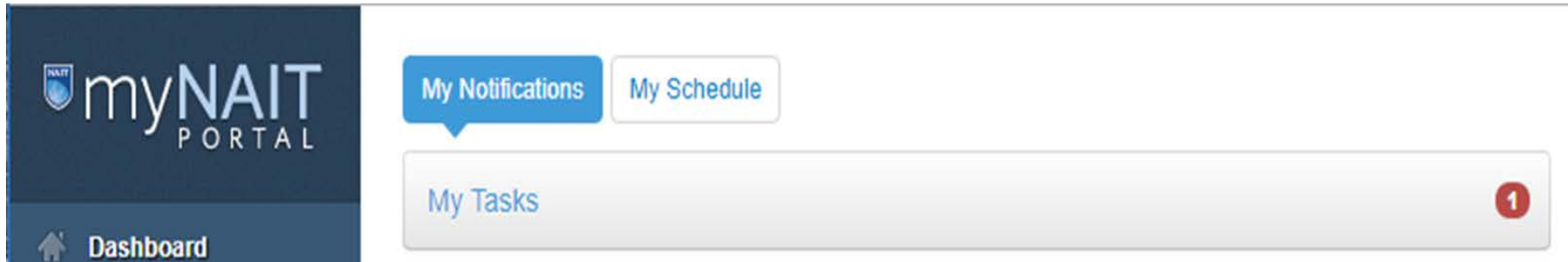
CUSTOMIZE DELIVERED



CUSTOMIZE DELIVERED

Example

- NAIT Portal



CUSTOMIZE DELIVERED

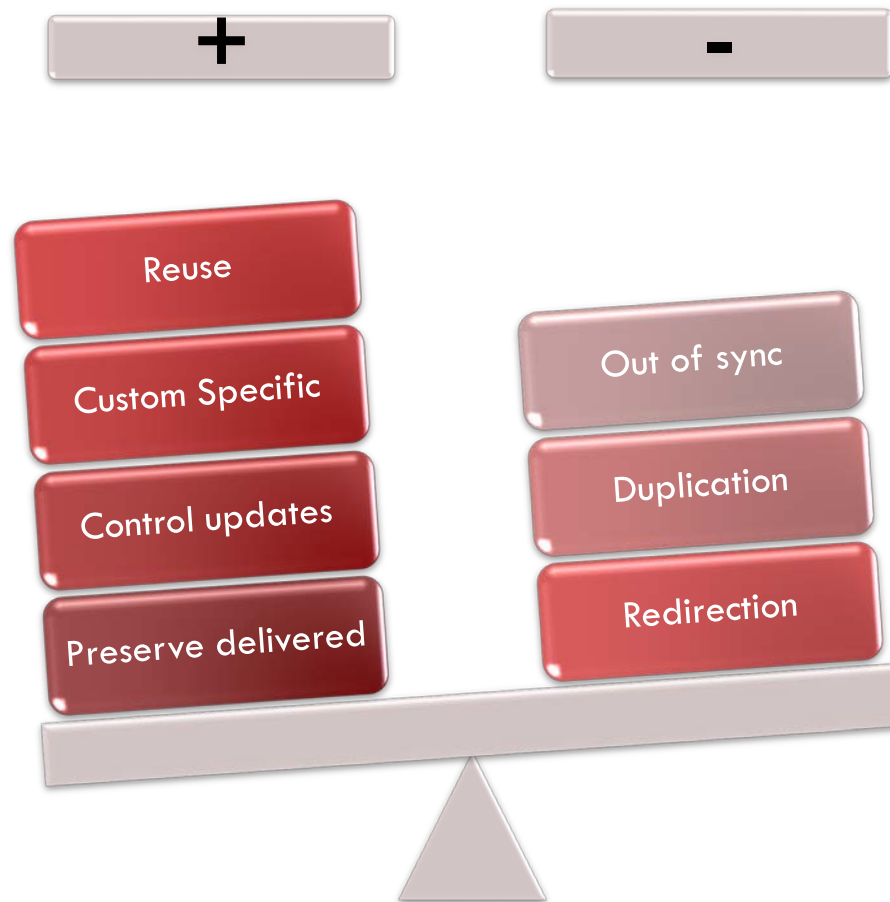
Customized objects

- SCC_TM_ACTIVITYGUIDE_FW:ActionItemProcessingAdapter:ActionItemPostProcAdapter
- SCC_TM_ACTIVITYGUIDE_FW:PageletProcessingAdapter:PageletNavigationButtonAdapter

CLONE

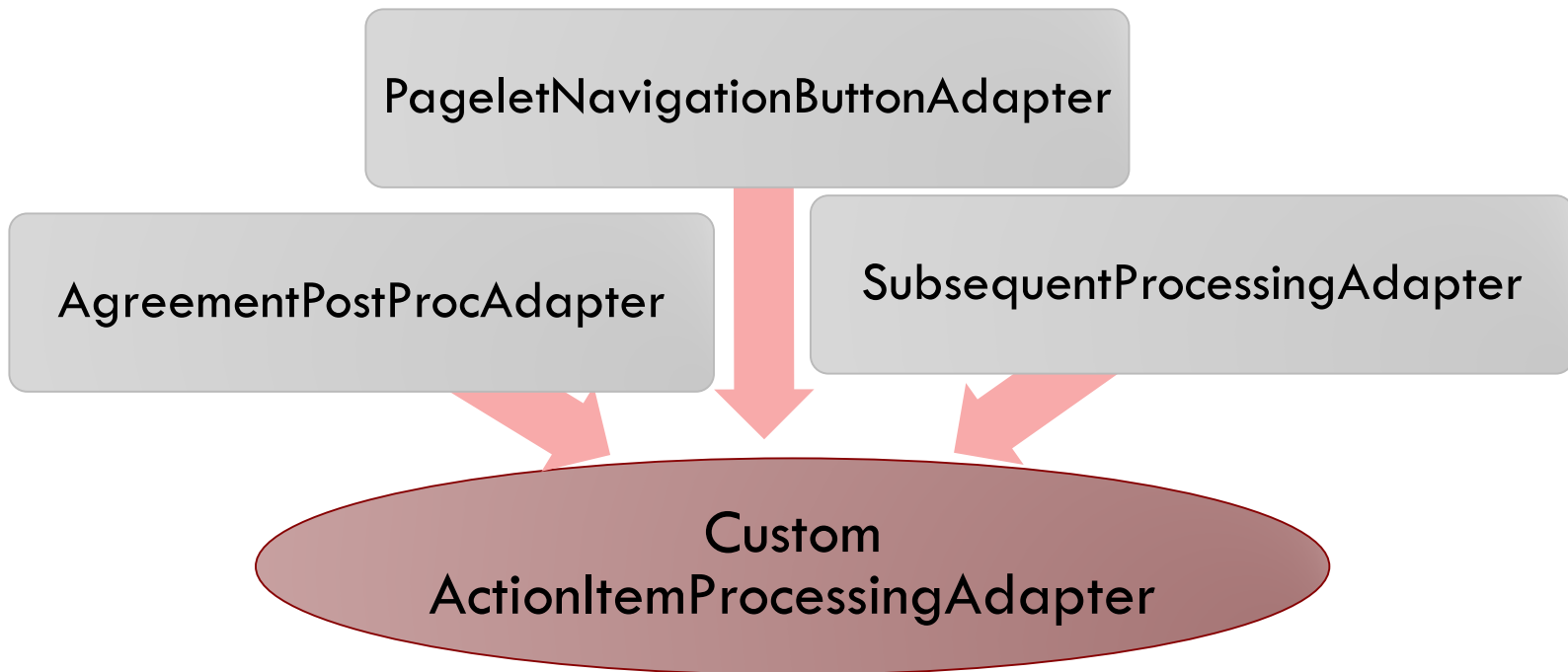


CLONE



CLONE

Redirection



CLONE

Redirection

AgreementPostProcAdapter class

import

```
SCC_TM_ACTIVITYGUIDE_FW:ActionItemProcessingAdapter:ActionItemPostProcAdapter;
```

Local

```
SCC_TM_ACTIVITYGUIDE_FW:ActionItemProcessingAdapter:ActionItemPostProcAdapter &submitproc = create
```

```
SCC_TM_ACTIVITYGUIDE_FW:ActionItemProcessingAdapter:ActionItemPostProcAdapter();
```

```
&submitproc.ItemSubmitProcessing(&list_id, &item_id, &Nodename);
```

CLONE

Example

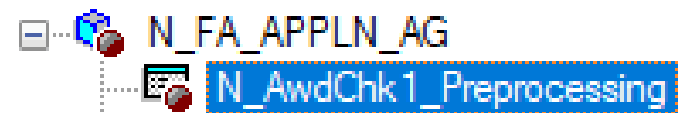
- Navigation Buttons

Mark Complete

Mark ~~Complete~~

- Update vs Create Application

CLONE



Define Related Content Service

Service Information

Service ID N_SS_AWDCHK1

*Service Name

Description

*URL Type

Object Owner ID

☐ Bulk Action ☐ Template

URL Information

Application Class Parameters

Package Path Class Name

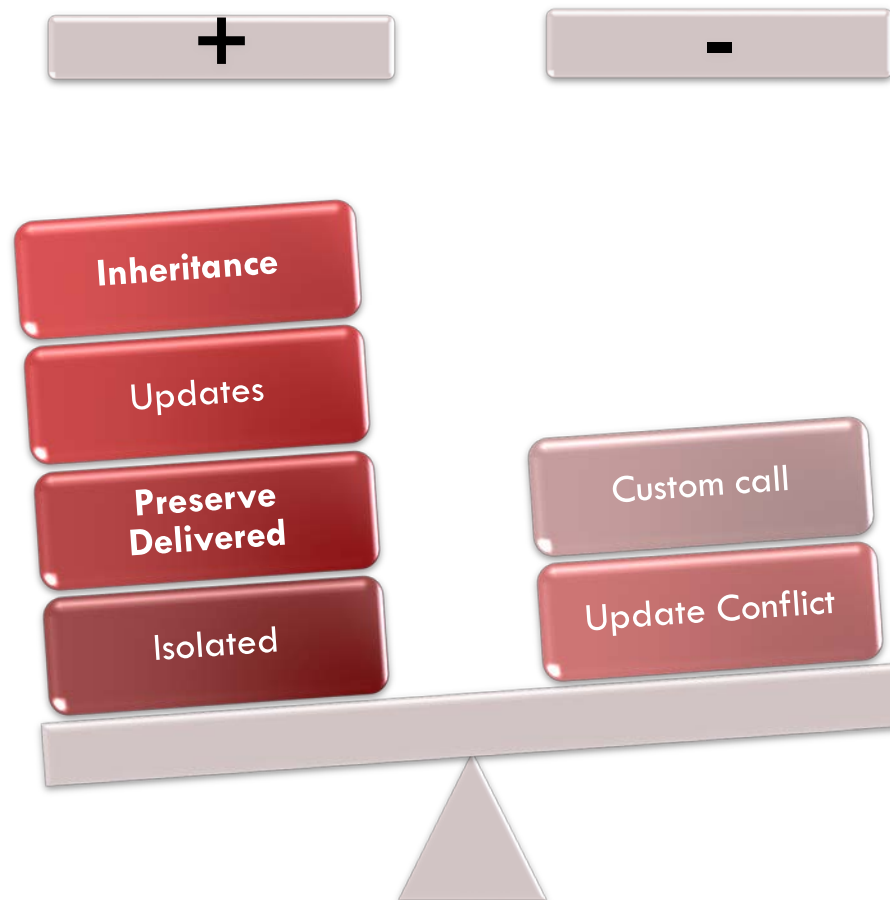
Activity Guide Template

Action Item Details			
General Information			
User Assignments and Status			
Schedule Information			
Service Configuration			
Process Configuration			
Audits			
Select	Hierarchy	Type	Service ID
☐	Generate Award List	App Class URL	<u>N_SS_AWDCHK1</u>

EXTEND APPLICATION CLASS



EXTEND APPLICATION CLASS



EXTEND APPLICATION CLASS

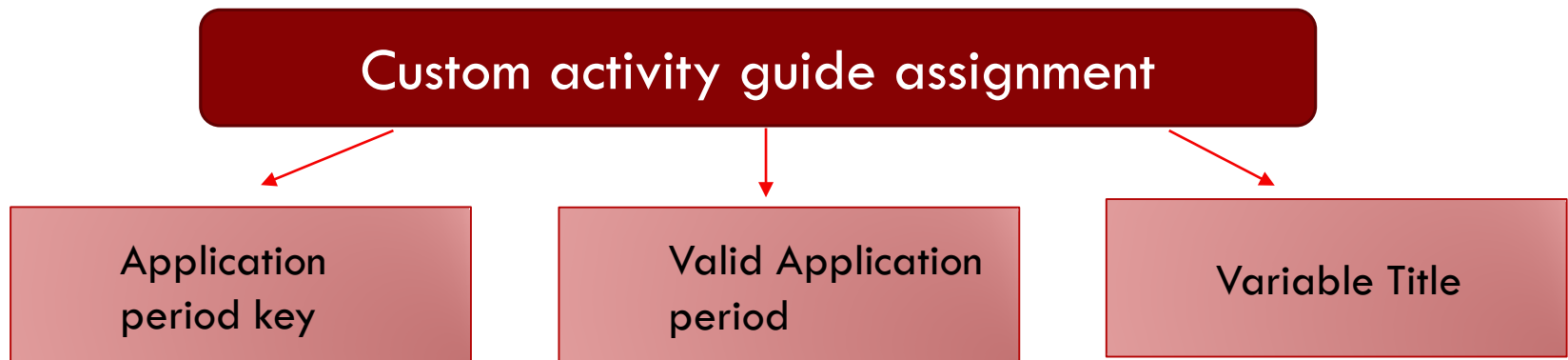
Example

- Activity guide assignment
- Dynamic Steps
- Custom Processing

EXTEND APPLICATION CLASS

Example

- Activity guide assignment



My Tasks

[Fall 2018 Scholarships & Bursaries -Deadline 2018-09-15](#)

EXTEND APPLICATION CLASS

Context Data ?						
	*Record Name	*Field Name	Label	*Type	Value	Key Field
1	STDNT_CAR_TERM	ACAD_CAREER	Career	Runtime		☒
2	AID_YEAR_TBL	AID_YEAR	Aid Year	Runtime		☒
3	ACAD_PROG	EMPLID	Student ID	Runtime		☒
4	ACAD_PROG	INSTITUTION	Institution	Runtime		☒
5	N_FA_APPLPERIOD	PERIOD_ID	Appl Period	Runtime		☒

▼ Instance Creation ?

Enter the Activity Guide Instance creation application class

Package

Path

Class ID

Method Name

EXTEND APPLICATION CLASS

SCC_TM_ACTIVITYGUIDE_FW

↳ TaskProcessingAdapter

↳ PrerequisiteProcessingAdapter



N_FA_APPLN_AG

↳ TaskProcessingAdapter

↳ N_PreReqProcessingAdapter

Extend SCC_TM_ACTIVITYGUIDE_FW:TaskProcessingAdapter:
PrerequisiteProcessingAdapter

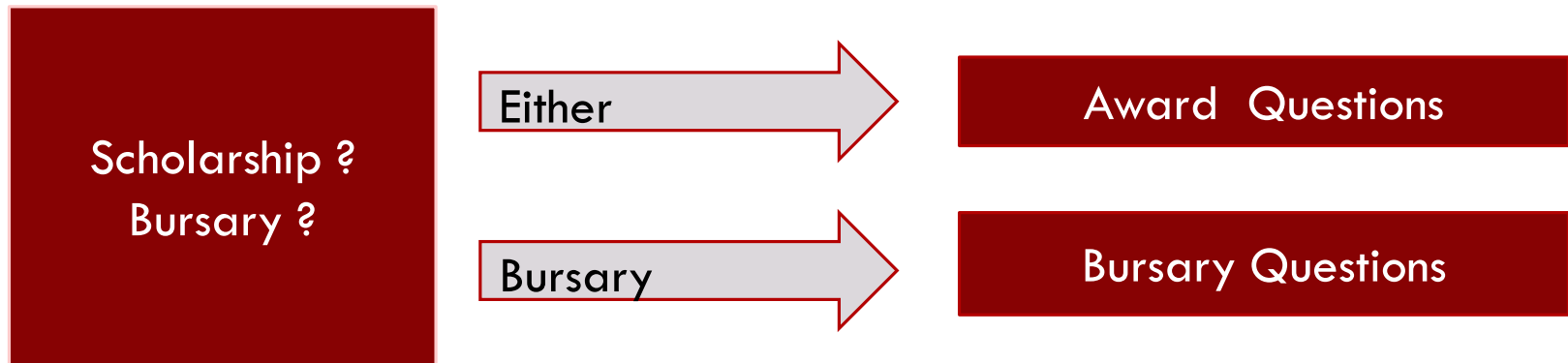
Override InstanceCreation()

- Retrieve + validate application period
- &list.label

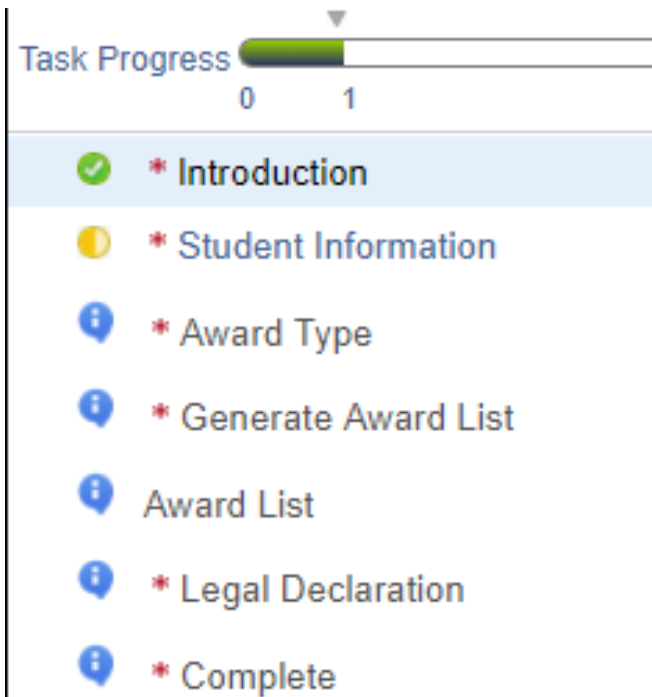
EXTEND APPLICATION CLASS

Example

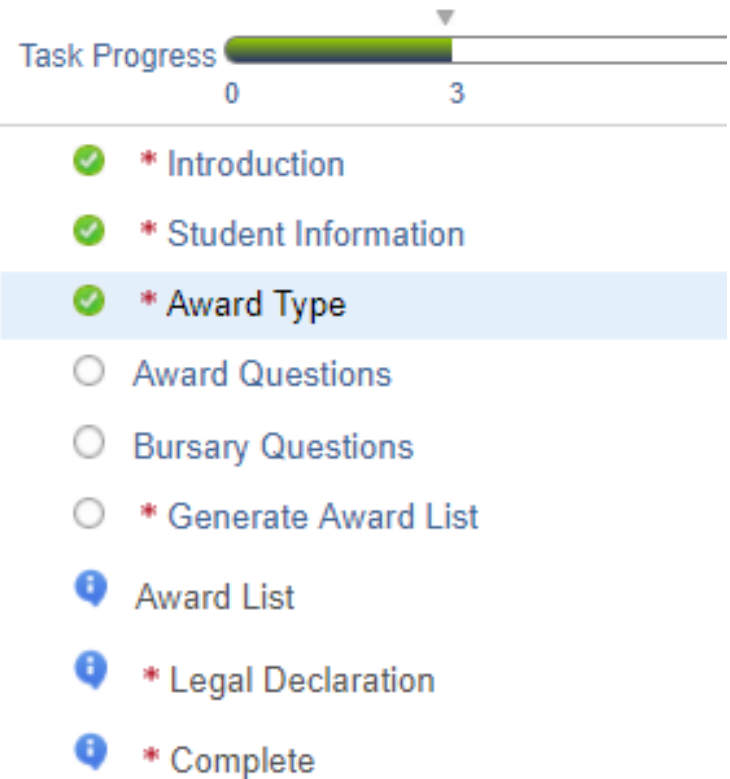
- Dynamic Steps



EXTEND APPLICATION CLASS



Both



EXTEND APPLICATION CLASS



Action Item Post Process ?

Package Name 

Path

Class Name 

Post Process Method

EXTEND APPLICATION CLASS

Extend SCC_TM_ACTIVITYGUIDE_FW:
ActionItemProcessingAdapter:ActionItemPostProcAdapter

Explicit Constructor

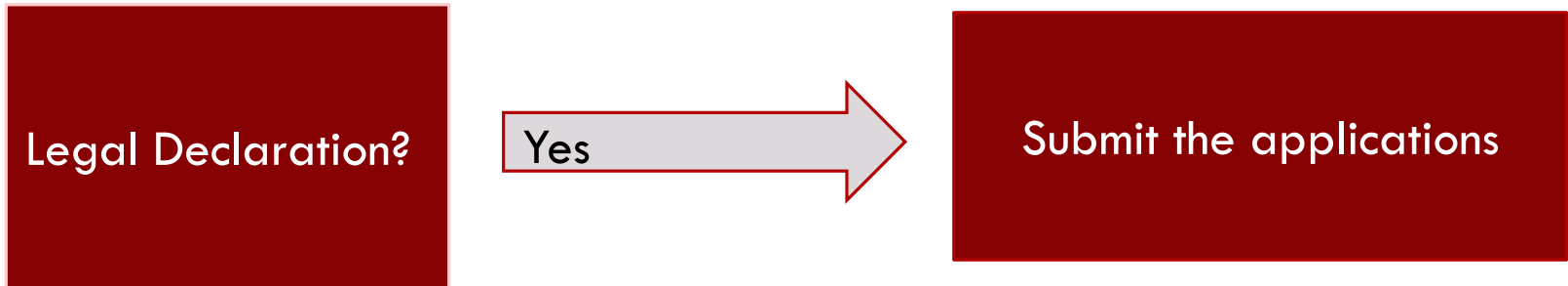
Override ItemAdditionalpostproc()

- PTAI_ACTION_ITEMS:ActionItem
- open()
- nextAction()
- ServiceId
- IsActive
- save()

EXTEND APPLICATION CLASS

Example

- Custom Processing



EXTEND APPLICATION CLASS

SCC_TM_ACTIVITYGUIDE_FW

↳ ActionItemProcessingAdapter

↳ AgreementPostProcAdapter



N_FA_APPLN_AG

↳ ActionItemProcessingAdapter

↳ N_AwdLglAgrPostProcAdapter

Action Item Post Process ?

Package Name N_FA_APPLN_AG



Path ActionItemProcessingAdapter

Class Name N_AwdLglAgrPostProcAdapter



Post Process Method ItemPostProcess

EXTEND APPLICATION CLASS

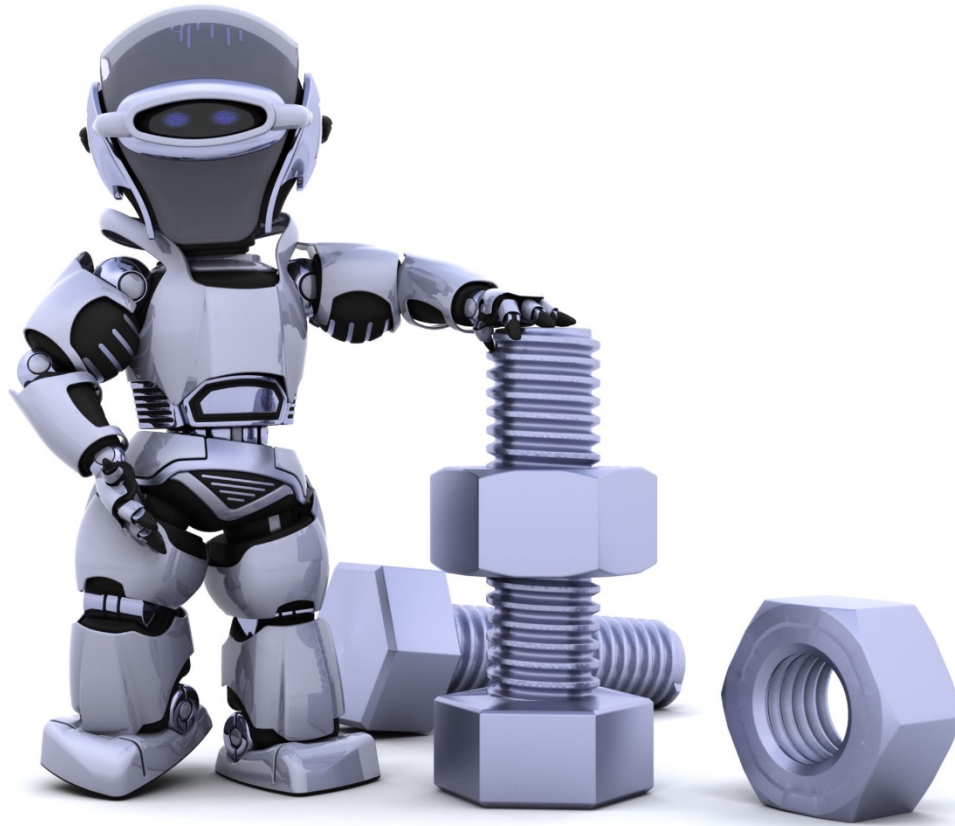
Extend SCC_TM_ACTIVITYGUIDE_FW:
ActionItemProcessingAdapter:AgreementPostProcAdapter

Implicit Constructor

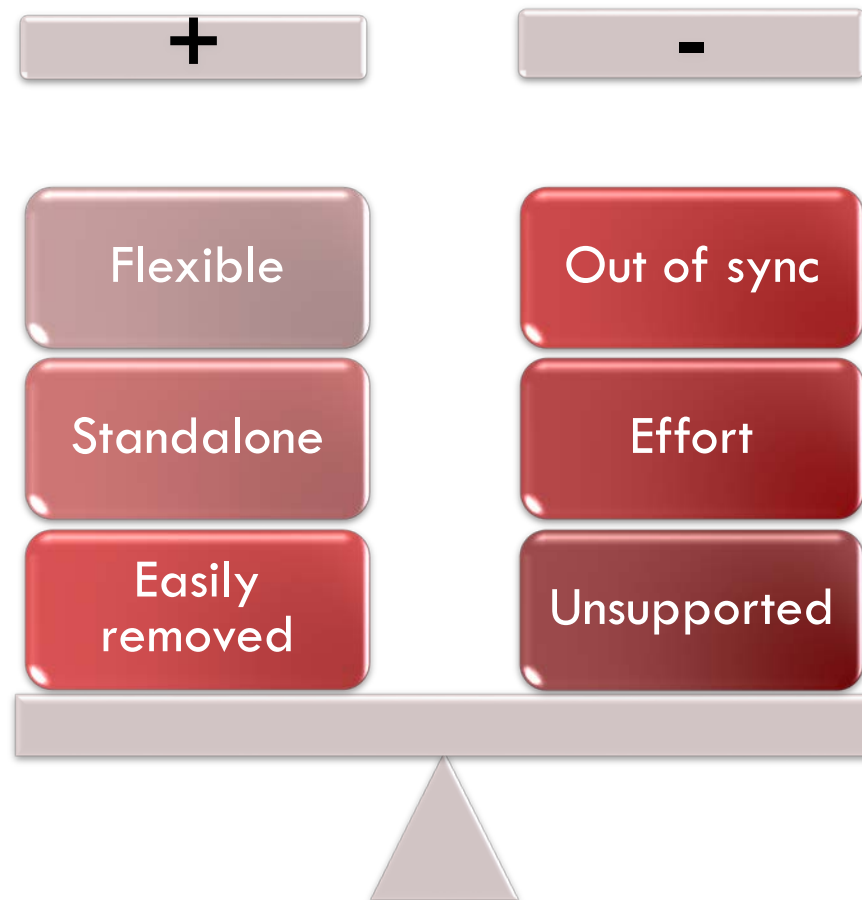
Override Itempostproc()

- Submit applications
- %Super

BOLT-ON



BOLT-ON



BOLT-ON

Example

- Delete task and applications
- Reports





SUMMARY

Questions?



THANK YOU!

