



# FLUID APPROVALS & PAGE COMPOSER

SESSION 4526  
9<sup>th</sup> October 2018

EMEA ALLIANCE 9-10 OCTOBER 2018

# PRESENTERS

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I have worked with Peoplesoft products for 16 years. The last 12 years with Campus Solutions.

Since January this year I have started coding and getting to grips with Fluid. My current project has involved Activity Guides and Fluid Approvals

Today's presentation will cover how I got on with the new Page Composer.



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31 Colleges  
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11,000 Staff

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### Your new CamSIS homepage

CamSIS is Cambridge's central system for handling official student data. From this new homepage you can carry out tasks such as managing your personal and academic record, view results, request transcripts and apply for graduation. [Help and support](#)

### Personal



### Academic



### Exams



### Results



### Graduation



### Tasks



No current tasks

### Give us feedback



# CAMPUS SOLUTIONS 9.2

Tools 8.55.25  
Image 010

# OVERVIEW

This morning we will cover.

1. WHAT IS PAGE COMPOSER  
And why am I using it.
2. APPROVAL PROCESS IN 9 STEPS  
How I built my project.
3. LET'S GET TECHIE  
How does Page Composer actually work.
4. SUMMARY



# WHAT IS PAGE COMPOSER

Brief introduction.  
Why am I using it ?

# PAGE COMPOSER

Student



College



Exam  
Administrator



**Exam Access Arrangement-19**

Student Name: Stan Laurel  
USN: 303979551  
CRSId: sl999

- 1 Term Selection Complete
- 2 Condition Selection Complete
- 3 Exam Selection Complete
- 4 Comments Complete
- 5 Review and Submit In Progress

**Summary**

Request From: Hughes Hall  
For: Easter Term 2018

**The following conditions have been requested**

- Physical disability: Blind/visual impairment
- Physical disability: Deaf/hearing impairment

**The status of evidence for the above conditions is**

Evidence in place

**These exams need to be considered for adjustment**

Subject: MPhil in Criminology  
Catalogue Nbr: METH  
Exam: Criminological research methods (ET)  
Venue: Titan Computer Suite  
Time: Extra Time: 10 mins  
Additional Needs: n/a

Comments:

**Pending Approvals**

**Request EAA**

Stan Laurel  
303979551  
sl999

**Details**

From Oliver Hardy at Hughes Hall  
For Stan Laurel (303979551) - Easter Term 2018

# PAGE COMPOSER

Part of Oracle's suite of tools to help us modify the base system through Configuration, not Customisation.

- Page & Field Configurator #4538
- Page Composer #thisone
- CAVF ( Comments and Attachments View Framework )



# PAGE COMPOSER

Only the Approvals page can be used with Page Composer.

# PAGE COMPOSER

Only the Approvals page can be used with Page Composer.

**Manager Self Service** Pending Approvals

View By: Type

- All (10)
- Absence Request (4)
- Cancel Absence (1)
- Job Offer (2)
- MaritalStatusChange (2)
- Performance (1)

**Absence Request** 4 rows

<b>Absence Request</b> Christelle Stevenson	Vacation, 8 Hours - NA 12/26/2017	Routed 12/06/2017	>
<b>Absence Request</b> Christelle Stevenson	Vacation, 8 Hours - NA 12/12/2017	Routed 12/06/2017	>
<b>Absence Request</b> Christelle Stevenson	Vacation, 8 Hours - NA 03/01/2018	Routed 12/06/2017	>
<b>Absence Request</b> Christelle Stevenson	Vacation, 8 Hours - NA 01/12/2018	Routed 12/06/2017	>

# PAGE COMPOSER

Manager Self Service Pending Approvals

View By Type

All 10

Absence Request 4

Cancel Absence 1

Job Offer 2

MaritalStatusChange 2

Performance 1

**Absence Request** 4 rows

<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	12/26/2017	12/09/2017
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	12/12/2017	12/09/2017
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	03/01/2018	12/09/2017
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	01/12/2018	12/09/2017

Pending Approvals Absence Request

Christelle Stevenson  
Manager-Accounting

Approve Deny Pushback

**Absence Details**

Absence Name	Vacation	Reason
Start Date	03/01/2018	End Date 03/01/2018
Partial Days	None	Duration 8 Hours
Current Balance	576.00 Hours	<a href="#">Disclaimer</a>
		<a href="#">Check Eligibility</a>
		<a href="#">View Eligibility Details</a>

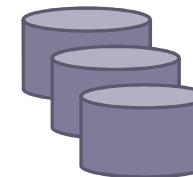
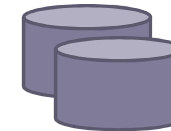
Requester Comments

There are no requester comments

Request History

Approver Comments

Approval Chain



# PAGE COMPOSER





# APPROVAL PROCESS IN 9 STEPS

How I built my project

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Aiming for this end result:

SUMMARY PAGE





# APPROVAL PROCESS IN 9 STEPS


Aiming for this end result:

## DETAIL PAGE

< Pending Approvals

Request EAA





**Stan Laural**  
303979551  
s1999

Approve

Deny

More

Details

From Oliver Hardy at Hughes Hall  
For Stan Laural (303979551) - Easter Term 2018

The Student has reported the following Conditions

Category and Condition
Physical disability - Blind/visual impairment
Physical disability - Deaf/hearing impairment

▼ Evidence Status

Evidence in place  
[Supporting Documentation Repository](#)

These Exams are for Consideration

Subject	Exam	Venue	Time	Additional Needs	Comments	
CRM1	MPhil in Criminology	METH	Criminological research methods (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a
CRM1	MPhil in Criminology	SE1	Submitted essay 1 (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a
CRM1	MPhil in Criminology	SE2	Submitted essay 2 (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a

▼ College Comments

There are no comments from the College

# STEP 01

>Enterprise Components > Approvals > Approvals > Mobile Approval Options

I created a Group to house my  
3 approval streams

The screenshot shows a web-based configuration interface for 'Mobile Approval Options'. It has two tabs: 'General Settings' (selected) and 'Transactions'. Under the 'Options' section, there are several settings: 'Display Attachments' (checkbox, unchecked), 'Maximum Approvals Displayed' (text box with '50'), 'Maximum Lines Displayed' (text box with '50'), 'Age for Approvals History in Days' (text box with '90'), and 'Actionable Approvals Only' (checkbox, unchecked). Below this is a 'Transaction Groups' section with a table. The table has three columns: '\*Group ID', '\*Description', and '\*Image'. There is one row with the values 'EAA', 'Exam Access Arrangement', and 'UC\_EAA'. To the right of the table are '+' and '-' buttons for adding or removing rows.

*Group ID	*Description	*Image
EAA	Exam Access Arrangement	UC_EAA





# STEP 01

>Enterprise Components > Approvals > Approvals > Mobile Approval Options

General Settings

Transactions

Approval Transactions

Personalise | Find |   First 1-7 of 7 Last


Transaction








Handlers

Actions

Options

Images



*Order	*Transaction ID	*Transaction Name	*Process ID	Allow Mass Approvals	Transaction Group		
2	SAD_DEFR	Deferral Request	SAD_DEFR_APPROVAL 	<input type="checkbox"/>	<div>▼</div>	<div>+</div>	<div>-</div>
3	SAD_WITH	Withdraw Request	SAD_WITH_APPROVAL 	<input type="checkbox"/>	<div>▼</div>	<div>+</div>	<div>-</div>
4	SAD_CHPP	Change Program Plan Request	SAD_CHPP_APPROVAL 	<input type="checkbox"/>	<div>▼</div>	<div>+</div>	<div>-</div>
10	EAA_REQ	Request EAA	UC_EAA_REQUEST 	<input type="checkbox"/>	Exam Access Arranger <div>▼</div>	<div>+</div>	<div>-</div>
11	EAA_CAN	Cancel EAA Request	UC_EAA_CANCEL_REQ 	<input type="checkbox"/>	Exam Access Arranger <div>▼</div>	<div>+</div>	<div>-</div>
12	EAA_COR	Correction to EAA Request	UC_EAA_CORRECTION 	<input type="checkbox"/>	Exam Access Arranger <div>▼</div>	<div>+</div>	<div>-</div>
99	EOFM	Forms	EOFM 	<input type="checkbox"/>	<div>▼</div>	<div>+</div>	<div>-</div>

Mine has types

- Request
- Cancellation
- Corrections

# STEP 02

>Enterprise Components > Approvals > Approvals > User List Setup

### User List Definition

User List

\*Description

#### User List Source

☐ Role

☒ SQL Definition

☐ Query

☐ Application Class

SQL Object Identifier

Our users are on a small setup table – so SQL is used to get them.

# STEP 03

>Enterprise Components > Approvals > Approvals > Transaction Registry

## Register Transactions

Link the approval process to your transactions via a Cross Reference table.

Process ID UC\_EAA\_REQUEST  
\*Description Exam Access Arrangement - Req  
Owner ID University of Cambridge  
\*Cross Reference Table UC\_EAA\_AWE\_XREF  
Worklist Prefix EAA

The Fluid Approval page that can be configured is set here

▼ Notification Options

Enable Notifications ☐ Email ☐ Worklist

► Internal URL Definition

► External URL Definitions

► URL Appending Parameters

▼ Default Approval Component

\*Menu Name EOAWMA\_MAIN\_FL  
\*Approval Component EOAWMA\_MAIN\_FL

▼ Approval Event Handler Class

Root Package ID UC\_EAA\_REQUEST  
Class Path Approvals:EventHandler

▼ Approval Status Monitor

Adhoc Package Adhoc Class  
Thread Package UC\_EAA\_REQUEST Thread Class Approvals:threadDescr

► Transaction Approval Levels

Peoplecode to run once Approved/Denied

Some fields changed via peoplecode, not Page Composer

# STEP 03

>Enterprise Components > Approvals > Approvals > Transaction Registry

The last section is where I added  
my core transaction table

▶ Notification Options			
▶ Internal URL Definition			
▶ External URL Definitions			
▶ URL Appending Parameters			
▶ Default Approval Component			
▶ Approval Event Handler Class			
▶ Approval Status Monitor			
▼ Transaction Approval Levels			
*Level	*Record (Table) Name		
1	Header	UC_EAA_REQUESTS	+ -
Level Record Key Field Label IDs			
	Record (Table) Name	Field Name	*Field Label ID
1	UC_EAA_REQUESTS	ACAD_CAREER	SFA_ACAD_CAREER
2	UC_EAA_REQUESTS	EMPLID	UC_USN
3	UC_EAA_REQUESTS	STDNT_CAR_NBR	UC_CAR_NBR
4	UC_EAA_REQUESTS	STRM	STRM
5	UC_EAA_REQUESTS	UC_EAA_REQ_TYPE	TYPE
6	UC_EAA_REQUESTS	UC_TRANSACTIONID	UC_TRANSACTIONID

# STEP 04

>Enterprise Components > Approvals > Approvals > Transaction Configuration

## Configure Transactions

Process ID UC\_EAA\_REQUEST

### Ad Hoc Approver Options

\*Approval User Info View PSOPRDEFN\_VW

Ad Hoc User List

### User Utilities

User Utilities Package UC\_EAA\_REQUEST

User Utilities Path Approvals:Grids

### Events

Find | View All First 1 of 3 Last

\*Event On Final Approval

\*Level Header

Menu Name EOAWMA\_MAIN\_FL

Approval Component EOAWMA\_MAIN\_FL

Page Name EOAWMA\_MAIN\_FL

Menu Action Update

SQL Object Identifier

### Notifications

Personalise | Find | View All | First 1 of 1 Last

#### Main

Template Details

Frequency

*Participant	User	Email	Worklist		
1 Requester	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="+"/>	<input type="button" value="-"/>

Grids on your Approval Page  
have to be mapped via  
peoplecode, not Page Composer.

I have three events.

- On Final Approval
- On Final Denial
- Route for Approval

Again, used the delivered Fluid  
Approval Page

# STEP 05

>Enterprise Components > Approvals > Approvals > Approval Process Setup

Mine is a very simple process of :

1 Stage

1 Path

1 Step

Requestor > Approver

## Setup Process Definitions

[Clone Approval Process](#) | [Approval Process Viewer](#) | [Preview Approval Process](#)

Process ID UC\_EAA\_REQUEST

Definition ID EAA

Effective Date 24/07/2018

Description Request EAA

Definition Options

[Definition Criteria](#) | [Alert Criteria](#) | [Definition Notifications](#) | [Timeout Options](#)

\*Admin Role

\*Status

Priority

☐ Default Process Definition

☐ User Auto Approval

☒ Route to Requester

☐ Include Requester

Stages

Find | View All | First | 1 of 1 | Last

\*Stage Number  Description  Level

Paths

Find | View All | First | 1 of 1 | Last

Description  \*Source  [Details](#) | [Criteria](#)

Steps

Personalise | Find | View All | 1 of 1 | Last

Description	Approver User List	Details	Criteria	
1 Student Records	uc_eaa_list	<a href="#">Details</a>	<a href="#">Criteria</a>	<a href="#">Up</a> <a href="#">Down</a>

# STEP 06

>Enterprise Components > Page Composer Admin > Developer Registration

## Pages and Sections

&General

&Reserved Field

&Labels

&Keys / Source Records / Field Events

Show All

Description ◇	Edit ◇	*Display Type ◇	Page Name ◇	Form Factor ◇	Sequence ◇	Page Reserved Field ◇
Summary pos1	<a href="#">Edit</a>	Page ▼	EOAWMA_RSLT_SBF 🔍	X-Large ▼	1	OBJ0000006 🔍
Summary pos2	<a href="#">Edit</a>	Page ▼	EOAWMA_RSLT_SBF 🔍	X-Large ▼	2	OBJ0000058 🔍
Banner at Top	<a href="#">Edit</a>	Page ▼	EOAWMA_TXNHDTL_FL 🔍	X-Large ▼	10	OBJ0000043 🔍
Details	<a href="#">Edit</a>	Page ▼	EOAWMA_TXNHDTL_FL 🔍	X-Large ▼	11	OBJ0000001 🔍
Evidence Status	<a href="#">Edit</a>	Page ▼	EOAWMA_TXNHDTL_FL 🔍	X-Large ▼	12	OBJ0000039 🔍
College Comments	<a href="#">Edit</a>	Page ▼	EOAWMA_TXNHDTL_FL 🔍	X-Large ▼	13	OBJ0000041 🔍
Approval Action Buttons	<a href="#">Edit</a>	Page ▼	EOAWMA_TXNHDTL_FL 🔍	X-Large ▼	14	OBJ0000300 🔍

# STEP 07

>Enterprise Components > Page Composer > Page Composer

< My Homepage

Search

Pages

Approval Summary

Header Detail

Toolbox

Page Composer

Save

Definition

Fluid Approvals Component

Multiple Compositions

Approval Summary

Summary pos1 Extra Large Form

Show Field Names

Summary pos2 Extra Large Form

Show Field Names

GBI

SUMM Request Type

SUMM2 Text 80 Chars



# STEP 07

>Enterprise Components > Page Composer > Page Composer

The screenshot displays the 'Page Composer' interface. On the left is a sidebar with a search bar and a 'Pages' list containing 'Approval Summary', 'Header Detail' (highlighted), and 'Toolbox'. The main area is titled 'Page Composer' and includes a 'Save' button. It is divided into three sections: 'Definition', 'Header Detail', and 'Details Extra Large Form'. The 'Definition' section shows 'Fluid Approvals Component' and 'Multiple Compositions'. The 'Header Detail' section is titled 'Banner at Top Extra Large Form' and contains a row of six icons, with the second icon selected. Below this is a 'Show Field Names' checkbox and a dashed box containing four fields: 'HDR Employee Photograph', 'HDR Display Name', 'HDR USN', and 'HDR External System ID'. The 'Details Extra Large Form' section is titled 'Details Extra Large Form' and contains a row of six icons, with the first icon selected. Below this is a 'Show Field Names' checkbox and a dashed box containing two fields: 'DET Text 80 Chars' and 'DET Text 80 Chars'. The 'Approval Action Buttons Extra Large Form' section is titled 'Approval Action Buttons Extra Large Form' and contains a row of six icons, with the first icon selected. Below this is a 'Show Field Names' checkbox and a dashed box containing five fields: 'APB1 Approve', 'APB1 Deny', 'APB1 Hold', 'APB2 More', and 'APB2 Add Comments'.

**Page Composer**

**Definition**

Fluid Approvals Component  
Multiple Compositions

**Header Detail**

Banner at Top Extra Large Form

Show Field Names

HDR Employee Photograph  
HDR Display Name  
HDR USN  
HDR External System ID

**Details Extra Large Form**

Show Field Names

DET Text 80 Chars  
DET Text 80 Chars

**Approval Action Buttons Extra Large Form**

Show Field Names

APB1 Approve  
APB1 Deny  
APB1 Hold  
APB2 More  
APB2 Add Comments

# STEP 08


> Peoplecode to launch Approval Process

Exit

Exam Access Arrangement-19

Previous

Submit



Student Name Stan Laurel  
USN 303979551  
CRSId sl999

1

Term Selection  
Complete

2

Condition Selection  
Complete

3

Exam Selection  
Complete

4

Comments  
Complete

5

Review and Submit  
In Progress

Summary

Request From Hughes Hall  
For Easter Term 2018

The following conditions have been requested

Physical disability - Blind/visual impairment  
Physical disability - Deaf/hearing impairment

The status of evidence for the above conditions is

Evidence in place

These exams need to be considered for adjustment


Subject MPhil in Criminology  
Catalogue Nbr METH  
Exam Criminological research methods (ET)  
Venue Titan Computer Suite  
Time Extra Time: 10 mins  
Additional Needs n/a  
Comments

```
import EOAW_CORE:*;  
import EOAW_CORE:LaunchManager;  
import EOAW_CORE:ApprovalManager;  
  
class Submit  
    method SubmitApproval();  
end-class;  
  
Component EOAW_CORE:LaunchManager $c_aweLaunchManager;  
Component EOAW_CORE:ApprovalManager $c_aweApprManager;  
  
method SubmitApproval  
  
    Local Record $headerRec = GetRecord(Record.UC_EAA_REQUESTS);  
    Local string $process_id;  
  
    If UC_EAA_REQUESTS.UC_EAA_APPROVE_REQ = "REQ" Then  
        $process_id = "UC_EAA_REQUEST";  
    End-If;  
    If UC_EAA_REQUESTS.UC_EAA_APPROVE_REQ = "CAN" Then  
        $process_id = "UC_EAA_CANCEL_REQ";  
    End-If;  
    If UC_EAA_REQUESTS.UC_EAA_APPROVE_REQ = "COR" Then  
        $process_id = "UC_EAA_CORRECTION";  
    End-If;  
  
    $c_aweLaunchManager = create EOAW_CORE:LaunchManager($process_id, $headerRec, $OperatorId);  
    $c_aweApprManager = create EOAW_CORE:ApprovalManager($process_id, $headerRec, $OperatorId);  
  
    $c_aweLaunchManager.definition = "EAA";  
  
    $c_aweLaunchManager.DoSubmit();  
  
end-method;
```

# STEP 09

> Peoplecode to set status after Approval

< Pending ApprovalsRequest EAA🚩☰🗨



**Stan Laural**  
303979551  
s1999

ApproveDenyMore

**Details**

From Oliver Hardy at Hughes Hall

For Stan Laural (303979551) - Easter Term 2018

```
import EOAW_CORE:ApprovalEventHandler;
import EOAW_CORE:ENGINE:AppInst;
import EOAW_CORE:ENGINE:UserStepInst;
import EOAW_CORE:ENGINE:Thread;

class EventHandler extends EOAW_CORE:ApprovalEventHandler
    method OnHeaderApprove($appinst As EOAW_CORE:ENGINE:AppInst);
    method OnHeaderDeny($userinst As EOAW_CORE:ENGINE:UserStepInst);
    method OnStepHold($userinst As EOAW_CORE:ENGINE:UserStepInst);
private
    method UpdateStatus($thread As EOAW_CORE:ENGINE:Thread, $status As string);
end-class;

method OnHeaderApprove
    $This.UpdateStatus($appinst.thread, "A");
end-method;

method OnHeaderDeny
    $This.UpdateStatus($userinst.thread, "D");
end-method;

method OnStepHold
    $This.UpdateStatus($userinst.thread, "H");
end-method;

method UpdateStatus
    Local Record $EAA_rec = CreateRecord(Record.UC_EAA_REQUESTS);

    $thread.rec.CopyFieldsTo($EAA_rec);
    $EAA_rec.SelectByKey();
    $EAA_rec.GetField(Field.UC_EAA_STATUS_CD).Value = $status;
    $EAA_rec.Update();
end-method;
```

# APPROVAL PROCESS IN 9 STEPS

Process complete !

My Homepage

Pending Approvals

View By Type

All 5

Exam Access Arrangement 5

All 5 rows

Request EAA

Exam Access Arrangement

From Oliver Hardy at Churchill College

For Deborah Smith (303340847) - Lent Term 2018

Routed 28/09/2018

Request EAA

Exam Access Arrangement

From Oliver Hardy at Churchill College

For Tahir Wijeyekoon (301667401) - Lent Term 2018

Routed 01/10/2018

Correction to EAA Request

Exam Access Arrangement

From Oliver Hardy at Churchill College

For Tahir Wijeyekoon (301667401) - Easter Term 2019

Cancel EAA Request

Exam Access Arrangement

From Oliver Hardy at Churchill College

For Maciej Simons (303106205) - Easter Term 2018

Request EAA

Exam Access Arrangement

From Oliver Hardy at Churchill College

For Stan Laural (303979551) - Easter Term 2018

Pending Approvals

Request EAA

Stan Laural

303979551

s1999

Approve Deny More

Details

From Oliver Hardy at Hughes Hall

For Stan Laural (303979551) - Easter Term 2018

The Student has reported the following Conditions

Category and Condition

Physical disability - Blind/visual impairment

Physical disability - Deaf/hearing impairment

Evidence Status

Evidence in place

Supporting Documentation Repository

These Exams are for Consideration

Subject	Exam	Venue	Time	Additional Needs	Comments
CRM1	MPhil in Criminology METH	Criminological research methods (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a
CRM1	MPhil in Criminology SE1	Submitted essay 1 (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a
CRM1	MPhil in Criminology SE2	Submitted essay 2 (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a

College Comments

There are no comments from the College




# LET'S GET TECHIE



Page Composer using the  
HR system as an example.

# PAGE COMPOSER

EOAWMA\_RSLT\_SBF

Pending Approvals		
		
<b>Absence Request</b> <span>4 rows</span>		
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	12/26/2017	12/06/2017 >
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	12/12/2017	12/06/2017 >
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	03/01/2018	12/06/2017 >
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed
Christelle Stevenson	01/12/2018	12/06/2017 >

EOAWMA\_TXNHDTL\_FL

Pending Approvals		Absence Request	
	<b>Christelle Stevenson</b> Manager-Accounting	<input type="button" value="Approve"/>	<input type="button" value="Deny"/> <input type="button" value="Pushback"/>
<b>Absence Details</b>			
Absence Name	Vacation	Reason	
Start Date	03/01/2018	End Date	03/01/2018
Partial Days	None	Duration	8 Hours
Current Balance	576.00 Hours  <a href="#">Disclaimer</a>	<input type="button" value="Check Eligibility"/>	<a href="#">View Eligibility Details</a>
<b>Requester Comments</b>			
There are no requester comments			
<input type="text" value="Request History"/> >			
<b>Approver Comments</b>			
<input type="text"/>			
<input type="text" value="Approval Chain"/> >			

# PAGE COMPOSER

EOAWMA\_RSLT\_SBF

Pending Approvals

Absence Request

4 rows

<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
Christelle Stevenson	12/26/2017	12/06/2017	>
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
Christelle Stevenson	12/12/2017	12/06/2017	>
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
Christelle Stevenson	03/01/2018	12/06/2017	>
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
Christelle Stevenson	01/12/2018	12/06/2017	>

EOAWMA\_TXNHDTL\_FL

Pending Approvals

Absence Request

Christelle Stevenson  
Manager-Accounting

Approve

Deny

Pushback

Absence Details

Absence Name	Vacation	Reason
Start Date	03/01/2018	End Date 03/01/2018
Partial Days	None	Duration 8 Hours
Current Balance	576.00 Hours	<div>Disclaimer</div> <div>Check Eligibility</div> <div>View Eligibility Details</div>

Requester Comments

There are no requester comments

Request History


Approver Comments

Approval Chain

# PAGE COMPOSER

EOAWMA\_RSLT\_SBF


< Pending Approvals 1 ⋮

OBJ0000305

**Absence Request** 4 rows

<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
<span>OBJ0000006</span>	<span>OBJ0000058</span>	12/06/2017	>
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
Christelle Stevenson	12/12/2017	12/06/2017	>
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
Christelle Stevenson	03/01/2018	12/06/2017	>
<b>Absence Request</b>	Vacation, 8 Hours - NA	Routed	
Christelle Stevenson	01/12/2018	12/06/2017	>

EOAWMA\_TXNHDTL\_FL

< Pending Approvals **Absence Request** 1 ⋮ 

OBJ0000043 OBJ0000300

OBJ0000001

▼ Requester Comments

OBJ0000041

OBJ0000042

**Approver Comments**

**Approval Chain** >



# PAGE COMPOSER

EOAWMA\_RSLT\_SBF

EOAWMA\_TXNHDTL\_FL

## Object Id's link to HTML Fields

PAGE	FIELD	EOPCOBJECT_ID
EOAWMA_RSLT_SBF	EOPCOBJ_L2ROW	OBJ0000006
EOAWMA_RSLT_SBF	EOPCOBJ_L2ROW_A	OBJ0000058
EOAWMA_RSLT_SBF	EOPCOBJ_L1_E	OBJ0000305
EOAWMA_TXNHDTL_FL	EOPCOBJ_LO	OBJ0000001
EOAWMA_TXNHDTL_FL	EOPCOBJ_LO_A	OBJ0000039
EOAWMA_TXNHDTL_FL	EOPCOBJ_LO_B	OBJ0000041
EOAWMA_TXNHDTL_FL	EOPCOBJ_LO_C	OBJ0000042
EOAWMA_TXNHDTL_FL	EOPCOBJ_LO_D	OBJ0000043
EOAWMA_TXNHDTL_FL	EOPCOBJ_LO_E	OBJ0000300

# PAGE COMPOSER

First step is to register your data with the Composer

Registration

Search

\*Definition  
APPROVALS

Object Type

System Source  
GBI

Save

Search Clear

This has to match your COMPANY value in PS\_INSTALLATION

# PAGE COMPOSER

## Pages and Sections

&General		&Reserved Field		&Labels		&Keys / Source Records / Field Events		Show All			
Description ▾	Edit ▾	*Display Type ▾	Page Name ▲	Form Factor ▾	Sequence ▾	Page Reserved Field ▾	Object Name ▾	Composition Key Fields ▾	Application Source Records ▾	Field Events ▾	
Absence Management Summary	Edit	Page ▾	EOAWMA_RSLT_SBF 🔍	X-Large ▾	1	OBJ0000006 🔍	EOPCOBJ_L2ROW	Composition Key Fields	Application Source Records	Field Events	
Absence Management Summary Line 2	Edit	Page ▾	EOAWMA_RSLT_SBF 🔍	X-Large ▾	2	OBJ0000058 🔍	EOPCOBJ_L2ROW_A	Composition Key Fields	Application Source Records	Field Events	
Mass Approval Action Button	Edit	Page ▾	EOAWMA_RSLT_SBF 🔍	X-Large ▾	3	OBJ0000305 🔍	EOPCOBJ_L1_E	Composition Key Fields	Application Source Records	Field Events	
Absence Details	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	1	OBJ0000001 🔍	EOPCOBJ_L0	Composition Key Fields	Application Source Records	Field Events	
Additional Information	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	2	OBJ0000039 🔍	EOPCOBJ_L0_A	Composition Key Fields	Application Source Records	Field Events	
Requester Comments	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	3	OBJ0000041 🔍	EOPCOBJ_L0_B	Composition Key Fields	Application Source Records	Field Events	
Request History	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	4	OBJ0000042 🔍	EOPCOBJ_L0_C	Composition Key Fields	Application Source Records	Field Events	
Header Detail	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	5	OBJ0000043 🔍	EOPCOBJ_L0_D	Composition Key Fields	Application Source Records	Field Events	
Approval Action Button	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	7	OBJ0000300 🔍	EOPCOBJ_L0_E	Composition Key Fields	Application Source Records	Field Events	

# PAGE COMPOSER

CancelComposition Key FieldsDone

Composition Key Fields

Cross-Reference Recname

Primary Key Group ☒

1 row

Field Name	*EOPC Key Value
1 EOAWPRCS_ID	<input type="text" value="AbsenceManagement"/>

## Pages and Sections

&General		&Reserved Field		&Labels		&Keys / Source Records / Field Events			Show All	
Description	Edit	Display Type	Page Name	Form Factor	Sequence	Page Reserved Field	Object Name	Composition Key Fields	Application Source Records	Field Events
Absence Management Summary	Edit	Page	EOAWMA_RSLT_SBF	X-Large	1	OBJ0000006	EOPCOBJ_L2ROW	Composition Key Fields	Application Source Records	Field Events
Absence Management Summary Line 2	Edit	Page	EOAWMA_RSLT_SBF	X-Large	2	OBJ0000058	EOPCOBJ_L2ROW_A	Composition Key Fields	Application Source Records	Field Events
Mass Approval Action Button	Edit	Page	EOAWMA_RSLT_SBF	X-Large	3	OBJ0000305	EOPCOBJ_L1_E	Composition Key Fields	Application Source Records	Field Events
Absence Details	Edit	Page	EOAWMA_TXNHDTL_FL	X-Large	1	OBJ0000001	EOPCOBJ_L0	Composition Key Fields	Application Source Records	Field Events
Additional Information	Edit	Page	EOAWMA_TXNHDTL_FL	X-Large	2	OBJ0000039	EOPCOBJ_L0_A	Composition Key Fields	Application Source Records	Field Events
Requester Comments	Edit	Page	EOAWMA_TXNHDTL_FL	X-Large	3	OBJ0000041	EOPCOBJ_L0_B	Composition Key Fields	Application Source Records	Field Events
Request History	Edit	Page	EOAWMA_TXNHDTL_FL	X-Large	4	OBJ0000042	EOPCOBJ_L0_C	Composition Key Fields	Application Source Records	Field Events
Header Detail	Edit	Page	EOAWMA_TXNHDTL_FL	X-Large	5	OBJ0000043	EOPCOBJ_L0_D	Composition Key Fields	Application Source Records	Field Events
Approval Action Button	Edit	Page	EOAWMA_TXNHDTL_FL	X-Large	7	OBJ0000300	EOPCOBJ_L0_E	Composition Key Fields	Application Source Records	Field Events

# PAGE COMPOSER

## Pages and Sections

&General &Reserved Field &Labels &Keys / Source Records / Field Events **Show All**

Description Edit \*Display Type Page Name Form Factor Sequence Page Reserved Field Object Name Composition Key Fields **Application Source Records** Field Events

Absence Management Summary Edit Page EOAWMA\_RSLT\_SBF X-Large 1 OBJ0000006 EOPCOBJ\_L2ROW Composition Key Fields Application Source Records Field Events

**Cancel** **Application Source Records** **Done**

**Absence Management Summary**

**Application Source Record** + -

\*Record Record Alias Buffer Level Message Set Number Message Number

HGA\_NAME\_VW HDR1 2 14409 93

**Key Fields** 6 rows




&General &Label Show All


*Field Name	Key Sequence	App Class Path
1 TRANSACTION_NBR	1	+ -
2 EMPLID	2	+ -
3 EMPL_RCD	3	+ -
4 BGN_DT	4	+ -
5 PIN_TAKE_NUM	5	+ -
6 END_DT	6	+ -

# PAGE COMPOSER

< Ptaf Txn Notify

Page Composer




Search 

Pages 

Approval Summary

Header Detail

Line Detail

Toolbox 

Save

**Definition**









Fluid Approvals Component

Multiple Compositions

GBI


**Approval Summary**

Absence Management Summary Extra Large Form









Show Field Names ☐

HDR1 Display Name




Absence Management Summary Line 2 Extra Large Form



Show Field Names ☐

HDR1 Start Date



# PAGE COMPOSER

The screenshot displays the Page Composer interface for the Manager Self Service application. The interface is divided into several sections:

- Manager Self Service** (Top Left): A navigation bar with a back arrow and the text "Manager Self Service".
- Pages** (Top Left): A dropdown menu with options: Search, Pages, and **Toolbox** (highlighted with a red box).
- Toolbox** (Left Panel): A list of components and fields for building the page layout. The "Name" section is highlighted with a green box. The "Name" field is highlighted with a yellow box. The "Name" field is also highlighted with a red box. The "Name" field is also highlighted with a red box.
- Definition** (Right Panel): A section for defining the page layout. It includes a "Fluid Approvals Component" and "Multiple Compositions".
- Approval Summary** (Right Panel): A section for defining the approval summary. It includes a table with columns for "Absence Management Summary" and "Extra Large Form". The table has two rows: "Absence Management Summary" and "Absence Management Summary Line 2".
- Pending Approvals** (Bottom Left): A table showing pending approvals. The table has columns for "Absence Request", "Vacation, 8 Hours - NA", "Routed", and "12/06/2017". The table has four rows. The first row is highlighted with a red box. The second row is highlighted with a red box. The third row is highlighted with a red box. The fourth row is highlighted with a red box.

Red arrows indicate the flow of data from the Pending Approvals table to the Page Composer interface. The arrows point from the "Absence Request" column to the "Name" field in the Toolbox, from the "Vacation, 8 Hours - NA" column to the "Name" field in the Toolbox, and from the "Routed" column to the "Name" field in the Toolbox.

# PAGE COMPOSER

What about Grids ?

## These Exams are for Consideration

Subject		Exam		Venue	Time	Additional Needs	Comments
CRM1	MPhil in Criminology	METH	Criminological research methods (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a	
CRM1	MPhil in Criminology	SE1	Submitted essay 1 (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a	
CRM1	MPhil in Criminology	SE2	Submitted essay 2 (ET)	Titan Computer Suite	Extra Time: 10 mins	n/a	



# PAGE COMPOSER

## What about Grids ?

```
import EOAW_USER_UTILS:UserUtilities;

class Grids extends EOAW_USER_UTILS:UserUtilities;
  method Grids();

  method getGridTitle(&gridName As string) Returns string;

  method getGridColumns(&gridName As string, &appRec As Record, &appRecName As string) Returns array of Record;

  method getGridData(&gridName As string, &appRec As Record, &appRecName As string) Returns Rowset;
private
  Constant &ConditionGrid = "RESULTSHDRGRID1";
  Constant &ExamGrid = "RESULTSHDRGRID2";
end-class;
```

# PAGE COMPOSER

## What about Grids ?

```
method getGridTitle
    Local string &gridTitle;

    If &gridName = &ExamGrid Then
        &gridTitle = MsgGetText(0, 0, "These Exams are for Consideration");
    End-If;

    /* Give a bit of line spacing before the grid is displayed, otherwise it all looks very cluttered */
    EOAWMA_HDRTXNWK.EOAW_GRD_BOX1.AddFFClass("psc_margin-top20px");
    EOAWMA_HDRTXNWK.EOAW_GRD_BOX2.AddFFClass("psc_margin-top20px");

    Return &gridTitle;
end-method;
```

# PAGE COMPOSER

What about Grids ?

```
method getGridColumn  
  Local number &i;  
  
  Local Record &recTmp;  
  Local array of Record &colHeaderArray = CreateArrayRept(&recTmp, 0);  
  
  If &gridName = &ExamGrid Then  
    For &i = 1 To 8  
      &recTmp = CreateRecord(0("RECORD." | "EOAWMA_GRD_HEAD"));  
      Evaluate &i  
      When 1  
        &recTmp.EOAW_FIELD_NAME.Value = "SUBJECT_CODE";  
        &recTmp.EOAW_FIELD_DESCR.Value = "Subject";  
      When 2  
        &recTmp.EOAW_FIELD_NAME.Value = "SUBJECT";  
        &recTmp.EOAW_FIELD_DESCR.Value = " ";  
      When 3  
        &recTmp.EOAW_FIELD_NAME.Value = "CATALOG";  
        &recTmp.EOAW_FIELD_DESCR.Value = "Exam";  
      When 4  
        &recTmp.EOAW_FIELD_NAME.Value = "EXAM";  
        &recTmp.EOAW_FIELD_DESCR.Value = " ";  
      When 5  
        &recTmp.EOAW_FIELD_NAME.Value = "VENUE";  
        &recTmp.EOAW_FIELD_DESCR.Value = "Venue";  
      When 6  
        &recTmp.EOAW_FIELD_NAME.Value = "TIME";  
        &recTmp.EOAW_FIELD_DESCR.Value = "Time";  
      When 7  
        &recTmp.EOAW_FIELD_NAME.Value = "NEEDS";  
        &recTmp.EOAW_FIELD_DESCR.Value = "Additional Needs";  
      When 8  
        &recTmp.EOAW_FIELD_NAME.Value = "COMMENTS";  
        &recTmp.EOAW_FIELD_DESCR.Value = "Comments";  
      End-Evaluate;  
      &colHeaderArray.Push(&recTmp);  
    End-For;  
  End-If;  
  
  Return &colHeaderArray;  
  
end-method;
```

# PAGE COMPOSER

What about Grids ?

```
method getGridData
  Local Rowset &getRowset;
  Local Rowset &retRowset;

  Evaluate &gridName

  When &ExamGrid
    &getRowset = CreateRowset(Record.UC_EAA_REQ_VW4);
    &retRowset = CreateRowset(Record.UC_EAA_AWE_WRK2);
    Break;

  End-Evaluate;

  If &gridName = &ExamGrid Then

    &getRowset.Fill("where FILL.EMPLID = :1 AND FILL.ACAD_CAREER = :2 AND
FILL.STDNT_CAR_NBR = :3 and FILL.STRM=:4 and FILL.UC_EAA_REQ_TYPE=:5 and
FILL.UC_TRANSACTIONID=:6 ORDER BY FILL.SUBJECT,FILL.CLASS_SECTION",
&appRec.EMPLID.Value, &appRec.ACAD_CAREER.Value, &appRec.STDNT_CAR_NBR.Value,
&appRec.STRM.Value, &appRec.UC_EAA_REQ_TYPE.Value, &appRec.UC_TRANSACTIONID.Value);

    If &getRowset.ActiveRowCount = 1 And
      None(&getRowset(1).UC_EAA_REQ_VW4.EMPLID.Value) Then
      Return &retRowset;
    Else
      &getRowset.CopyTo(&retRowset, Record.UC_EAA_REQ_VW4, Record.UC_EAA_AWE_WRK2);
      Return &retRowset;
    End-If;

  End-If;

end-method;
```



# CONCLUDING THOUGHTS

SUMMARY & QUESTIONS?

# SUMMARY



- Our Users really like the Approvals Interface
- There is a lot of technical work involved !

[My Homepage](#)

Pending Approvals

View By

Type

All 5

Exam Access Arrangement 5

All

5 rows

<b>Request EAA</b> Exam Access Arrangement	From Oliver Hardy at Churchill College For Deborah Smith (303340647) - Lent Term 2018	Routed 28/09/2018	>
<b>Request EAA</b> Exam Access Arrangement	From Oliver Hardy at Churchill College For Tahir Wijeyekoon (301867401) - Lent Term 2018	Routed 01/10/2018	>
<b>Correction to EAA Request</b> Exam Access Arrangement	From Oliver Hardy at Churchill College For Tahir Wijeyekoon (301867401) - Easter Term 2019	Routed 01/10/2018	>
<b>Cancel EAA Request</b> Exam Access Arrangement	From Oliver Hardy at Churchill College For Maciej Simons (303106205) - Easter Term 2018	Routed 01/10/2018	>
<b>Request EAA</b> Exam Access Arrangement	From Oliver Hardy at Churchill College For Stan Laural (303979551) - Easter Term 2018	Routed 03/10/2018	>



# QUESTIONS ?

# PRESENTERS

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**ALL ALLIANCE PRESENTATIONS WILL BE AVAILABLE FOR  
DOWNLOAD FROM THE CONFERENCE SITE**

<https://www.heug.org/p/do/sd/topic=3175&sid=26958>





THANK YOU!



EMEA ALLIANCE 9-10 OCTOBER 2018