



FLUID APPROVALS & PAGE COMPOSER

SESSION 4526
9th 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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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

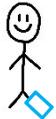


WHAT IS PAGE COMPOSER

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

Approve Deny More

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.



The screenshot shows the 'Manager Self Service' interface with the 'Pending Approvals' section. On the left, there is a navigation menu with a 'View By' dropdown set to 'Type'. The menu items are: All (10), Absence Request (4), Cancel Absence (1), Job Offer (2), MaritalStatusChange (2), and Performance (1). The 'Absence Request' item is highlighted. The main content area displays a table of pending absence requests for Christelle Stevenson.

Absence Request			4 rows
Absence Request Christelle Stevenson	Vacation, 8 Hours - NA 12/26/2017	Routed 12/06/2017	>
Absence Request Christelle Stevenson	Vacation, 8 Hours - NA 12/12/2017	Routed 12/06/2017	>
Absence Request Christelle Stevenson	Vacation, 8 Hours - NA 03/01/2018	Routed 12/06/2017	>
Absence Request 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
Absence Request	Vacation, 8 Hours - NA	Routed	>
Christelle Stevenson	12/26/2017	12/09/2017	
Absence Request	Vacation, 8 Hours - NA	Routed	>
Christelle Stevenson	12/12/2017	12/09/2017	
Absence Request	Vacation, 8 Hours - NA	Routed	>
Christelle Stevenson	03/01/2018	12/09/2017	
Absence Request	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	Check Eligibility	View Eligibility Details

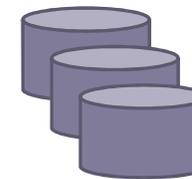
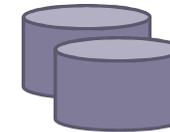
Requester Comments

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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APPROVAL PROCESS IN 9 STEPS

Aiming for this end result:

The screenshot shows a dashboard titled 'Pending Approvals'. On the left, there is a sidebar with a 'View By' dropdown set to 'Type'. Below it are two filter options: 'All' (5 items) and 'Exam Access Arrangement' (5 items). The main content area displays a table of 5 rows of pending requests. Each row includes a bold title, a description, the requester's name and affiliation, the date, and the status 'Routed' with a right-pointing arrow.

		5 rows	
Request EAA	From Oliver Hardy at Churchill College	Routed	>
Exam Access Arrangement	For Deborah Smith (303340647) - Lent Term 2018	28/09/2018	
Request EAA	From Oliver Hardy at Churchill College	Routed	>
Exam Access Arrangement	For Tahir Wijeyekoon (301667401) - Lent Term 2018	01/10/2018	
Correction to EAA Request	From Oliver Hardy at Churchill College	Routed	>
Exam Access Arrangement	For Tahir Wijeyekoon (301667401) - Easter Term 2019	01/10/2018	
Cancel EAA Request	From Oliver Hardy at Churchill College	Routed	>
Exam Access Arrangement	For Maciej Simons (303106205) - Easter Term 2018	01/10/2018	
Request EAA	From Oliver Hardy at Churchill College	Routed	>
Exam Access Arrangement	For Stan Laural (303979551) - Easter Term 2018	03/10/2018	

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

General Settings Transactions

Options

Display Attachments

Maximum Approvals Displayed

Maximum Lines Displayed

Age for Approvals History in Days

Actionable Approvals Only

Transaction Groups

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

STEP 01

>Enterprise Components > Approvals > Approvals > Mobile Approval Options

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

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 SQL Object Identifier 

Query

Application Class

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

▼ Notification Options

Enable Notifications Email Worklist

▶ Internal URL Definition

▶ External URL Definitions

▶ URL Appending Parameters

▼ Default Approval Component

*Menu Name EOA WMA_MAIN_FL
*Approval Component EOA WMA_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

The Fluid Approval page that can be configured is set here

Peoplecode to run once Approved/Denied

Some fields changed via peoplecode, not Page Composer

STEP 03

>Enterprise Components > Approvals > Approvals > Transaction Registry

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

The last section is where I added my core transaction table

STEP 04

>Enterprise Components > Approvals > Approvals > Transaction Configuration

Configure Transactions

Process ID UC_EAA_REQUEST

Ad Hoc Approver Options

*Approval User Info View PSOPRDEFN_WW

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"/>

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 Functional
*Status Active
Priority 1

Default Process Definition
 User Auto Approval
 Route to Requester
 Include Requester

Stages

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

*Stage Number 10 Description Request EAA Level Header

Paths

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

Description Request EAA *Source Static Details Criteria

Steps

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

Description	Approver User List	Details	Criteria	
1 Student Records	uc_eaa_list			↑ ↓

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	Edit	Page ▾	EOAWMA_RSLT_SBF 🔍	X-Large ▾	1	OBJ0000006 🔍
Summary pos2	Edit	Page ▾	EOAWMA_RSLT_SBF 🔍	X-Large ▾	2	OBJ0000058 🔍
Banner at Top	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	10	OBJ0000043 🔍
Details	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	11	OBJ0000001 🔍
Evidence Status	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	12	OBJ0000039 🔍
College Comments	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	13	OBJ0000041 🔍
Approval Action Buttons	Edit	Page ▾	EOAWMA_TXNHDTL_FL 🔍	X-Large ▾	14	OBJ0000300 🔍

STEP 07

>Enterprise Components > Page Composer > Page Composer

The screenshot displays the 'Page Composer' interface. On the left is a navigation sidebar with sections: 'My Homepage', 'Search', 'Pages' (containing 'Approval Summary' and 'Header Detail'), and 'Toolbox'. The main workspace is titled 'Page Composer' and contains a 'Definition' section with 'Fluid Approvals Component' and 'Multiple Compositions'. Below this is the 'Approval Summary' section, which includes two 'Summary pos' components. Each component has a 'Show Field Names' checkbox and a row of seven icons representing different field layouts. The first component is labeled 'SUMM Request Type' and the second is 'SUMM2 Text 80 Chars'. A 'Save' button is located in the top right corner of the workspace.

STEP 07

>Enterprise Components > Page Composer > Page Composer

The screenshot displays the Page Composer interface for a form titled "Fluid Approvals Component". The interface includes a navigation pane on the left with sections for Search, Pages (containing "Approval Summary" and "Header Detail"), and Toolbox. The main workspace is divided into three sections:

- Definition:** Shows the component name "Fluid Approvals Component" and the organization "GBI". A "Save" button is present.
- Header Detail:** Contains a "Banner at Top Extra Large Form" section with a toolbar of layout icons and a "Show Field Names" checkbox. The form contains four fields: "HDR1 Employee Photograph", "HDR1 Display Name", "HDR1 USN", and "HDR1 External System ID".
- Details Extra Large Form:** Contains a toolbar of layout icons and a "Show Field Names" checkbox. The form contains two "DETL Text 80 Chars" fields.
- Approval Action Buttons Extra Large Form:** Contains a toolbar of layout icons and a "Show Field Names" checkbox. The form contains five buttons: "APB1 Approve", "APB1 Deny", "APB1 Hold", "APB2 More", and "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

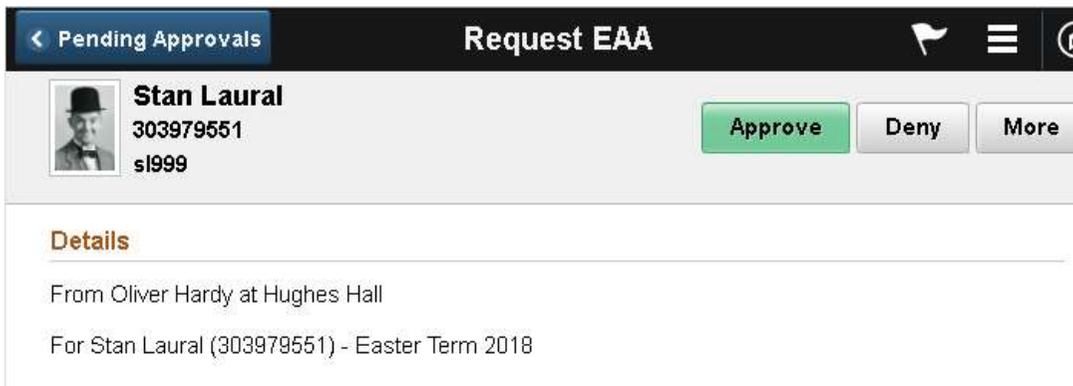
Subject	MPhil in Criminology
Catalogue Nbr	METH
Exam	Criminological research methods (ET)
Venue	Titan Computer Suite
Time	Extra Time: 10 mins
Additional Needs	n/a

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 Approvals Request EAA

 **Stan Laural**
303979551
s1999

Approve Deny More

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 !

The screenshot displays a web interface for managing exam access arrangements. On the left, a sidebar shows navigation options like 'My Homepage' and 'Exam Access Arrangements'. The main area is titled 'Pending Approvals' and contains a table of requests. One request is selected, opening a detailed view for 'Stan Laural'. This view includes a profile card, a 'Details' section with the request origin, a 'Conditions' section listing physical disabilities, an 'Evidence Status' section, a table of 'Exams for Consideration', and a 'College Comments' section.

Request Type	From	Date	Status
Request EAA	From Oliver Hardy at Churchill College	Routed	
Exam Access Arrangement	For Deborah Smith (303340647) - Lent Term 2018	28/09/2018	
Request EAA	From Oliver Hardy at Churchill College	Routed	
Exam Access Arrangement	For Tahir Wijeyekoon (301667401) - Lent Term 2018	01/10/2018	
Correction to EAA Request	From Oliver Hardy at Churchill College		
Exam Access Arrangement	For Tahir Wijeyekoon (301667401) - Easter Term 2019		
Cancel EAA Request	From Oliver Hardy at Churchill College		
Exam Access Arrangement	For Maciej Simons (303106205) - Easter Term 2018		
Request EAA	From Oliver Hardy at Churchill College		
Exam Access Arrangement	For Stan Laural (303979551) - Easter Term 2018		

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



LET'S GET TECHIE

Page Composer using the
HR system as an example.

PAGE COMPOSER

EOAWMA_RSLT_SBF

<
Pending Approvals 1

Absence Request 4 rows

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

EOAWMA_TXNHDTL_FL

< Pending Approvals
Absence Request 1

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 i Disclaimer	Check Eligibility View Eligibility Details

Requester Comments

There are no requester comments

Request History >

Approver Comments

Approval Chain >

PAGE COMPOSER

EOAWMA_RSLT_SBF

Pending Approvals

Absence Request 4 rows

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

EOAWMA_TXNHDTL_FL

Pending Approvals **Absence Request**

 **Christelle Stevenson**
Manager-Accounting

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	 Disclaimer

[View Eligibility Details](#)

Requester Comments

There are no requester comments

Request History >

Approver Comments

Approval Chain >

PAGE COMPOSER

EOAWMA_RSLT_SBF

Pending Approvals

OBJ0000305

Absence Request 4 rows

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

EOAWMA_TXNHDTL_FL

Pending Approvals **Absence Request**

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

Search Clear

Save

This has to match your COMPANY value in PS_INSTALLATION

PAGE COMPOSER

Pages and Sections

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

Composition Key Fields

Composition Key Fields

Cross-Reference Recname:

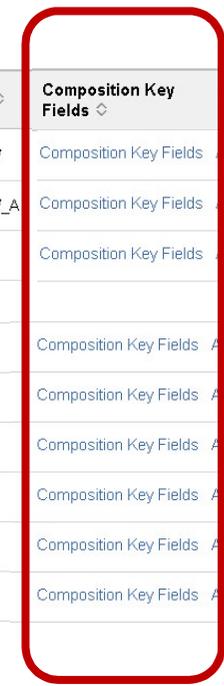
Primary Key Group:

1 row

Field Name	*EOPC Key Value
1 EOA/WPRCS_ID	<input type="text" value="AbsenceManagement"/> <input type="button" value="Q"/>

Pages and Sections

<input type="button" value="General"/> <input type="button" value="Reserved Field"/> <input type="button" value="Labels"/> <input type="button" value="Keys / Source Records / Field Events"/> <input type="button" value="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	<input type="text" value="EOA/WMA_RSLT_SBF"/> <input type="button" value="Q"/>	X-Large	1	<input type="text" value="OBJ0000006"/> <input type="button" value="Q"/>	EOPCOBJ_L2ROW	Composition Key Fields	Application Source Records	Field Events
Absence Management Summary Line 2	Edit	Page	<input type="text" value="EOA/WMA_RSLT_SBF"/> <input type="button" value="Q"/>	X-Large	2	<input type="text" value="OBJ0000058"/> <input type="button" value="Q"/>	EOPCOBJ_L2ROW_A	Composition Key Fields	Application Source Records	Field Events
Mass Approval Action Button	Edit	Page	<input type="text" value="EOA/WMA_RSLT_SBF"/> <input type="button" value="Q"/>	X-Large	3	<input type="text" value="OBJ0000305"/> <input type="button" value="Q"/>	EOPCOBJ_L1_E	Composition Key Fields	Application Source Records	Field Events
Absence Details	Edit	Page	<input type="text" value="EOA/WMA_TXNHDTL_FL"/> <input type="button" value="Q"/>	X-Large	1	<input type="text" value="OBJ0000001"/> <input type="button" value="Q"/>	EOPCOBJ_L0	Composition Key Fields	Application Source Records	Field Events
Additional Information	Edit	Page	<input type="text" value="EOA/WMA_TXNHDTL_FL"/> <input type="button" value="Q"/>	X-Large	2	<input type="text" value="OBJ0000039"/> <input type="button" value="Q"/>	EOPCOBJ_L0_A	Composition Key Fields	Application Source Records	Field Events
Requester Comments	Edit	Page	<input type="text" value="EOA/WMA_TXNHDTL_FL"/> <input type="button" value="Q"/>	X-Large	3	<input type="text" value="OBJ0000041"/> <input type="button" value="Q"/>	EOPCOBJ_L0_B	Composition Key Fields	Application Source Records	Field Events
Request History	Edit	Page	<input type="text" value="EOA/WMA_TXNHDTL_FL"/> <input type="button" value="Q"/>	X-Large	4	<input type="text" value="OBJ0000042"/> <input type="button" value="Q"/>	EOPCOBJ_L0_C	Composition Key Fields	Application Source Records	Field Events
Header Detail	Edit	Page	<input type="text" value="EOA/WMA_TXNHDTL_FL"/> <input type="button" value="Q"/>	X-Large	5	<input type="text" value="OBJ0000043"/> <input type="button" value="Q"/>	EOPCOBJ_L0_D	Composition Key Fields	Application Source Records	Field Events
Approval Action Button	Edit	Page	<input type="text" value="EOA/WMA_TXNHDTL_FL"/> <input type="button" value="Q"/>	X-Large	7	<input type="text" value="OBJ0000300"/> <input type="button" value="Q"/>	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 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 14408 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

The screenshot displays the 'Page Composer' interface for a page titled 'Ptaf Txn Notify'. The interface is divided into several sections:

- Navigation Bar:** Located at the top, it includes a back arrow, the page title 'Ptaf Txn Notify', the 'Page Composer' title, and icons for home, settings, and refresh.
- Search:** A search input field with a dropdown arrow.
- Pages:** A list of page components: 'Approval Summary' (highlighted in green), 'Header Detail', and 'Line Detail'. Each item has a dropdown arrow.
- Toolbox:** A section for selecting components, currently empty.
- Definition:** A section showing the current page's configuration, including 'Fluid Approvals Component' and 'Multiple Compositions'. A 'Save' button is present in the top right of this section.
- Approval Summary:** A section containing two main components:
 - Absence Management Summary Extra Large Form:** Features a toolbar with a green selection button, six layout icons, and a trash icon. Below the toolbar is a 'Show Field Names' checkbox and a dashed box containing the text 'HDR1 Display Name' with an edit icon.
 - Absence Management Summary Line 2 Extra Large Form:** Features a toolbar with a blue selection button, six layout icons, and a trash icon. Below the toolbar is a 'Show Field Names' checkbox and a dashed box containing the text 'HDR1 Start Date' with an edit icon.

PAGE COMPOSER

Manager Self Service Page Composer

Search

Pages

Toolbox

- Change Form Factor
- Change Composition
- Approval Action buttons - Prim APB1
 - Show Field Names
- Approval Action buttons - Other APB2
 - Show Field Names
- Name HDR1**
 - Show Field Names
- HDR1: Begin Date
- HDR1: Empl ID
- HDR1: Empl Record
- HDR1: End Date
- HDR1: Start Date
- HDR1: Display Name

Definition

Fluid Approvals Component
Multiple Compositions

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

Manager Self Service Pending Approvals

View By Type

All 10

Absence Request				4 rows
Absence Request	Christelle Stevenson	Vacation, 8 Hours - NA 12/28/2017	Routed	12/06/2017
Absence Request	Christelle Stevenson	Vacation, 8 Hours - NA 12/12/2017	Routed	12/06/2017
Absence Request	Christelle Stevenson	Vacation, 8 Hours - NA 03/01/2018	Routed	12/06/2017
Absence Request	Christelle Stevenson	Vacation, 8 Hours - NA 01/12/2018	Routed	12/06/2017

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 Arrangemen 5

All 5 rows		
Request EAA Exam Access Arrangement	From Oliver Hardy at Churchill College For Deborah Smith (303340647) - 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	Routed 01/10/2018 >
Cancel EAA Request Exam Access Arrangement	From Oliver Hardy at Churchill College For Maciej Simons (303106205) - Easter Term 2018	Routed 01/10/2018 >
Request EAA 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