Lab on approvals

Week 10

School of Software

Faculty of Engineering and Information Technology

University of Technology Sydney



SCHOOL OF SOFTWARE

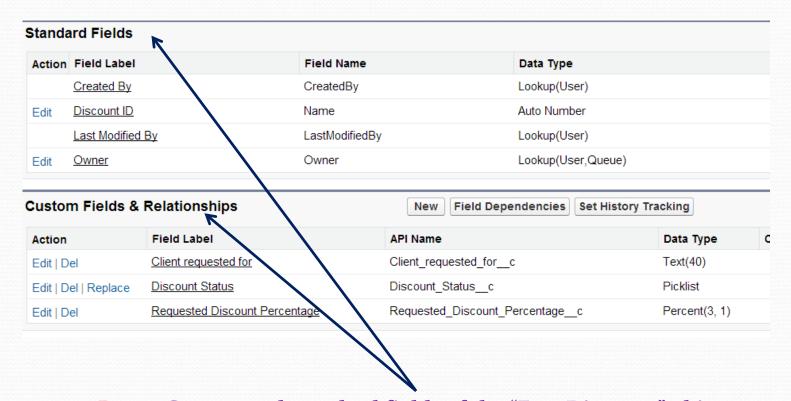
Overview of Lab tasks

- Part 1: Create a new custom object (Fees Discount) and a Tab in the Force.com PaaS.
- Part 2: Define the initial submission actions
- Part 3: Define the approval steps and associated actions for each step
- Part 4: Define the actions with the final approval, final rejection, and recall actions

Part 1 - Creating "Fees Discount" object

- <u>1</u>: Create a new custom object (Fees Discount) in the Force.com PaaS.
- <u>2</u>: The object should have the following custom attributes.
 - Discount ID (AutoID);
 - Discount Status (Picklist);
 - Requested Discount Percentage (Percentage); and
 - Client Requested For (Text).
- 3: In the page layout of the fees discount object add the button "Submit for Approval" and save the page layout
- 4: Define and associate a tab for the fees discount object.

Part 1 – Creating "Fees Discount" object



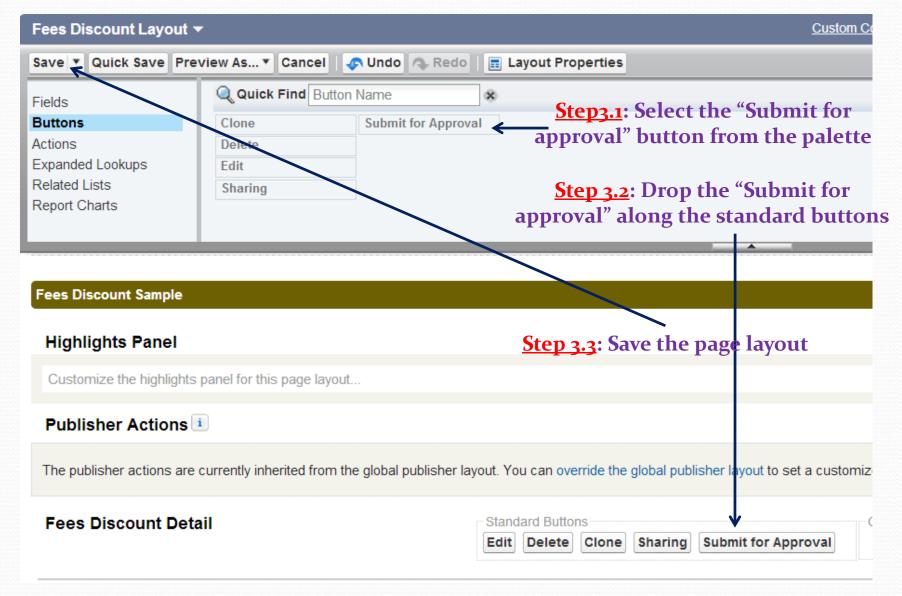
<u>Part 1</u>: Custom and standard fields of the "Fees Discount" object

Part 1 – Creating "Fees Discount" object

Picklist \	Values	New Reorder	Replace	table View Chart Colors 🔻	
Action	Values		Default	Chart Colors	Modified By
Edit Del	Approved			Assigned dynamically	Farookh Hussain, 8/2/2014 2:03 AM
Edit Del	Declined			Assigned dynamically	Farookh Hussain, 8/2/2014 2:03 AM
Edit Del	Requested			Assigned dynamically	Farookh Hussain, 8/2/2014 2:03 AM
Edit Del	Approved by the Dean			Assigned dynamically	Farookh Hussain, 8/2/2014 2:29 AM
Edit Del	Approved by the Head of Department			Assigned dynamically	Farookh Hussain, 8/2/2014 2:30 AM
Edit Del	Declined by the Head of Department			Assigned dynamically	Farookh Hussain, 8/2/2014 2:30 AM
Edit Del	Declined by the Dean			Assigned dynamically	Farookh Hussain, 8/2/2014 2:30 AM

Part 1: Picklist values for the field "Discount Status"

Part 1 - Creating "Fees Discount" object



Part 1: Adding the "Submit for Approval" button on the page layout

Part 2 – Initial Submission Actions

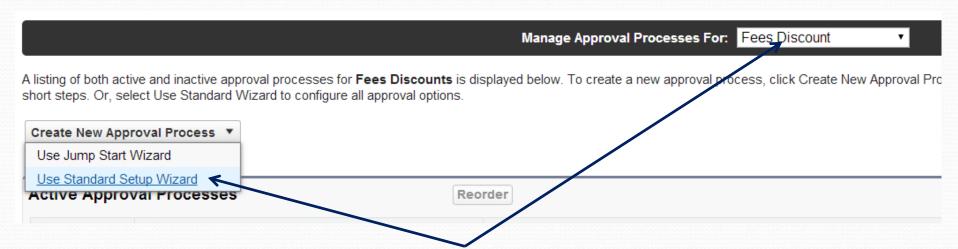
- The initial submission actions for this approval are as follows:
 - Field Update Update the value of Discount Status to "Requested"
 - Email Alert Send an automated acknowledge email to the person submitting for approval

Solution steps for Part 2

- 1: Define an approval process on the "Fees Discount" object
- <u>2</u>: Enter the details for the approvals process
 - Approval process name; Approval process description, Approval process entry criteria; edit ability of record, automated approvers (if any); email to be sent to approvers; approval page layout, approval history; security settings; set of permitted initial submitters; and record recall actions.
- 3: Define an field update action on "Discount Approval Status" pick list to update it to "Requested"

Solution steps for Part 2

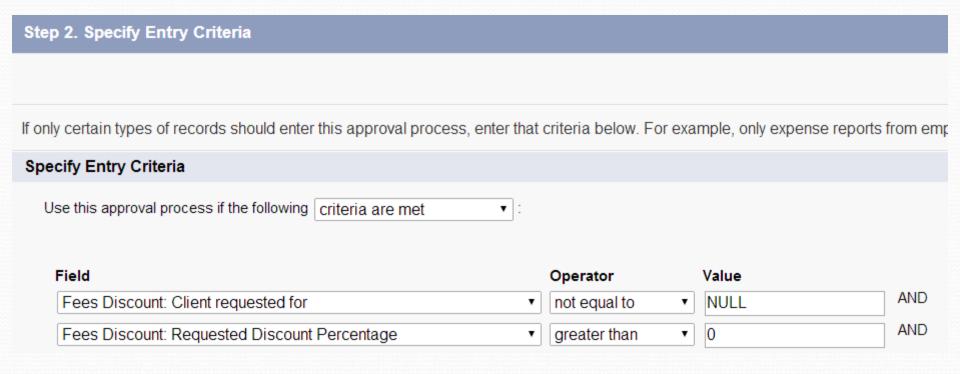
- Define an approval process on the "Fees Discount" object
 - Go to Setup → Build → Create → Workflows and Approvals → Approval Processes
 - Select "Fees Discount" against the "Manage Approval Processes for" and Select "Use Standard Setup Wizard"



Part 2: Select "Fees Discount" and "Use Standard Setup Wizard"

Step 1. Enter Name and Description	
Enter a name and description for your new	w approval process.
Enter Name and Description	
Process Name	Discount Approval Automation
Unique Name	Discount_Approval_Automation
Description	This discount approval process automates the process of fee discount at the University of Darwin

Part 2: Enter the name and description of the approval process



<u>Part 2</u>: Specify the entry criteria for the approval process

Step 3. Specify Approver Field and Record Editability Properties

When you define approval steps, you can assign approval requests to different users. One of your options is to use a user field to select a field from the picklist below. Also, when a record is in the approval process, it will always be locked-- only an administrate edit the record.

v i

Select Field Used for Automated Approval Routing

Next Automated Approver Determined By --None--

Use Approver Field of Fees Discount Owner

Record Editability Properties

- Administrators ONLY can edit records during the approval process.
- Administrators OR the currently assigned approver can edit records during the approval process.

<u>Part 2</u>: Specify settings of the edit ability of the record whilst in approval process and the automated approvers (if any)

Step 4. Select Notification Templates

Select the email template that will be used to notify approvers that an approval request has been assigned to them. Note that this template will be used for all steps for this process.

Email Template

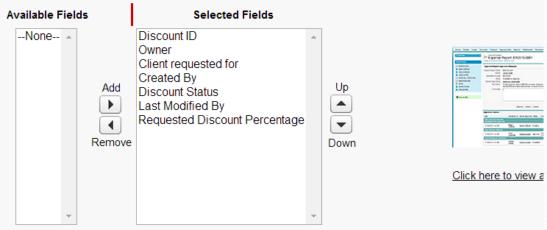
Approval Assignment Email Template

New Discount Request St 🕙

<u>Part 2</u>: Specify the email template to be sent to approvers on successful submission of records

Step 5. Select Fields to Display on Approval Page Layout

The approval page is where an approver will actually approve or reject a request. Using the options below, choose.



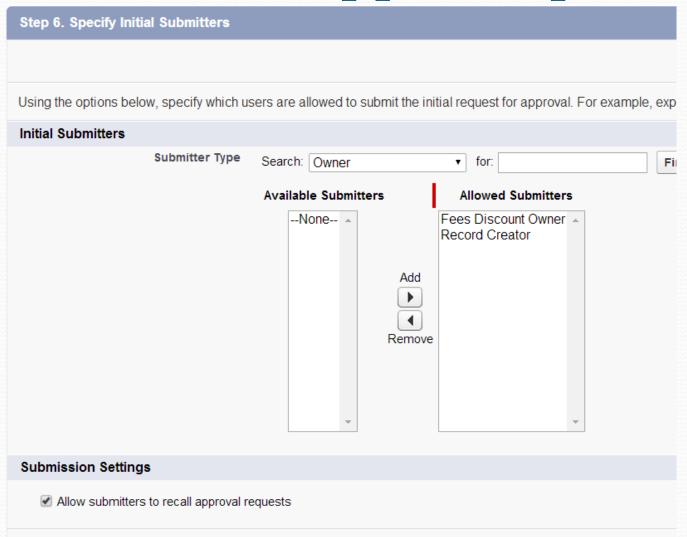
Approval Page Fields

Display approval history information in addition to the fields selected above.

Security Settings

- Allow approvers to access the approval page only from within the salesforce.com application. (Recommended)
- Allow approvers to access the approval page from within the salesforce.com application, or externally from a w

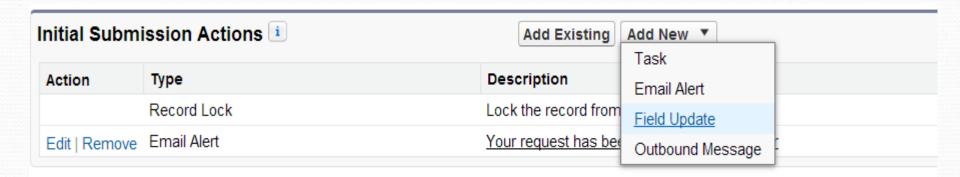
Part 2: Specify the fields to be displayed on the approval page layout, approval history, and external security settings



<u>Part 2</u>: Specify the permitted initial submitters and whether they can allow the records to be recalled once submitted

Initial submission actions

- Add a field update action after the initial submission action
- This action will update the value of the Picklist "Discount Approval Status" to "Requested"



<u>Part 2</u>: Select "Field Update" to add an action to the set of initial submission actions

Initial submission action - Field update

Field Update Edit	Save & New Cancel
Identification	
Name Unique Name	Update discount status to Update_discount_status_i
Description	
Object	Fees Discount
Field to Update	Discount Status ▼
Field Data Type	Picklist
Re-evaluate Workflow Rules after Field Change	i
Specify New Field Value	
	Picklist Options
	The value above the current one The value below the current one
	■ A specific value Requested ▼
	None Approved
	Declined
	s Requested
	Approved by the Dean Approved by the Head of Department
	Declined by the Head of Department Declined by the Dean

Part 2: Update the Discount Status field to "Requested"

Part 3 – Approval Steps

- There are **two** approval steps
 - Approval Step 1 To be handled by the Head of Department
 - Approval Actions (<u>Step 1.1</u>)
 - Approval Action 1 → Update Discount Status on the record to Approved by the Head of Department;
 - Approval Action 2 → The submitter should be informed of that the approval request has been accepted by the Head of Department.
 - Rejection Actions (<u>Step 1.2</u>)
 - Rejection Action 1 → Update Discount Status on the record to Declined by the Head of Department;
 - Rejection Action 2 → The submitter should be informed of that the approval request has been declined by the Head of the Department.

Part 3 – Approval Steps

- Approval Step 2 To be handled by the Dean
 - Approval Actions (<u>Step 2.1</u>)
 - Approval Action 1 → Update the Discount Status on the record to Approved by the Dean;
 - Approval Action 2 → The submitter should be informed of that the approval request has been accepted by the Dean.
 - Rejection Actions (Step 2.2)
 - Rejection Action 1→ Update the Discount Status on the record to Declined by the Dean
 - Rejection Action 2→ The submitter should be informed of that the approval request has been declined by the Dean
- Assign yourself as the Dean, and one of your friends as the Head of Department.

Defining approval Step 1

Step 1. Enter Name and Description	1
Enter a name, description, and step num	ber for your new approval step.
Enter Name and Description	
Approval Process Name	Discount Approval Automation
Name	Approval by the Head of School
Unique Name	Approval_by_the_Head_of_School
Description	This stage automates the approval on fee discount requests by the Head of School

Step 1: Name and description of the step 1 approval process

Defining Approval Step 1

Records which do not meet the specified criteria <u>and</u> are in the approval process should get approved automatically

Step 2. Specify Step Criteria		
Specify whether a record must meet certain criteria before entering	ng this approval step. If these criteria are not met, the a	pproval process
Specify Step Criteria		
All records should enter this step.	√	
 ● Enter this step if the following criteria are met ▼	else approve record ▼ :	
Field	Operator Value	
Fees Discount: Requested Discount Percentage	▼ greater or equal ▼ 5	AND
Nono	▼ Nono ▼	AND

Step 1: Defining the criteria which records should enter this approval step

Defining Approval Step 1

Step 3. Select Assigned Approver

Specify the user who should approve records that enter this step. Optionally, choose whether the appro-Select Approver Let the submitter choose the approver manually. Automatically assign to queue. Automatically assign to approver(s). User Q. Gloria Alice Add Row Remove Row When multiple approvers are selected: Approve or reject based on the FIRST response. Require **UNANIMOUS** approval from all selected approvers.

Step 1: Defining approvers for Step 1 approval

The approver's delegate may also approve this request.

Actions with Approval Step 1

- **Step 1.1**: Actions on accepting:
 - Field Update (Update the Discount Status to "Approved by the Head of Department")
 - Email Alert (Send email to the submitter of the approval)

Field update action

Field Update Edit	Save & New Cancel
Identification	
Name	Status Update
Unique Name	Status_Update i
Description	
Object	Fees Discount
Field to Update	Fees Discount: Discount Status
Field Data Type	Picklist
Re-evaluate Workflow Rules after Field Change	i
Specify New Field Value	
	Picklist Options
	 The value above the current one The value below the current one A specific value Approved by the Head of Department None Approved Declined
	s Requested
	Approved by the Dean Approved by the Head of Department
	Declined by the Head of Department Declined by the Dean

Step 1.1: Automatically updating the "Discount Status" field in case the request is accepted by the Head of the Department

Email Alert action

Email Alert Edit		Save	Save & New	Cancel	
Edit Email Alert					
Description	Approved by Head of Depar	tment			
Unique Name	Approved_by_Head_of_[i				C
Object	Fees Discount				Create and supply a
Email Template	Approval procured from H	■			customized email template
Protected Component					for this action
Recipient Type	Search: User		▼ for:		Find
Recipients	Available Recipients	9	Selected Recip	ients	
You can enter up to five (5) email addre		Add Add Remove	Record Creato		elect the recipient of the email as the record creator only
Additional Emails	esses to be flouried.				

Step 1.1: Automatically send email to the submitter, in case the request is accepted by the Head of the Department

Actions with Approval Stage 1

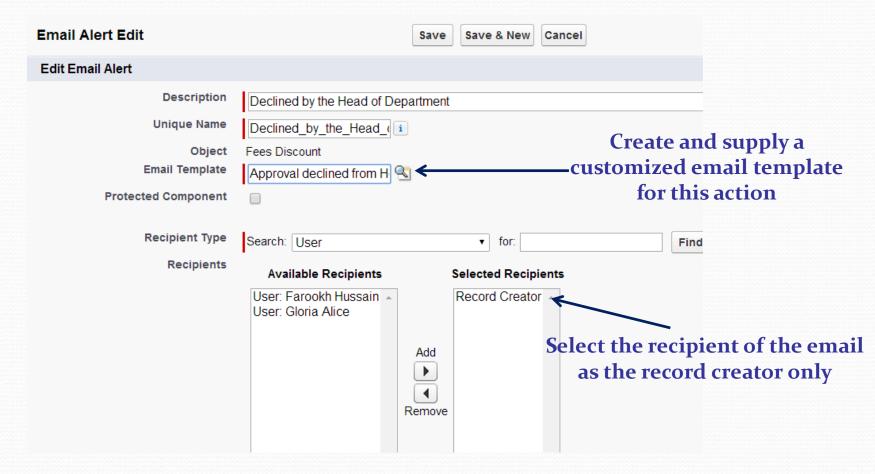
- **Step 1.2**: Actions on rejection:
 - Field Update (Update the Discount Status to "Declined by the Head of Department")
 - Email Alert (Send email to the submitter of the approval)

Field update action

Field Update Edit	Save & New Cancel
Identification	
Name Unique Name Description	Field Update - Rejected b Field_Update_Rejected_ i
Object Field to Update Field Data Type Re-evaluate Workflow Rules after Field Change	Fees Discount Fees Discount: Discount Status Picklist
Specify New Field Value	
	Picklist Options The value above the current one The value below the current one ■ A specific value Declined by the Head of Department None Approved Declined Requested Approved by the Dean Approved by the Head of Department Declined by the Head of Department Declined by the Dean

Step 1.2: Automatically updating the "Discount Status" field in case the request is declined by the Head of the Department

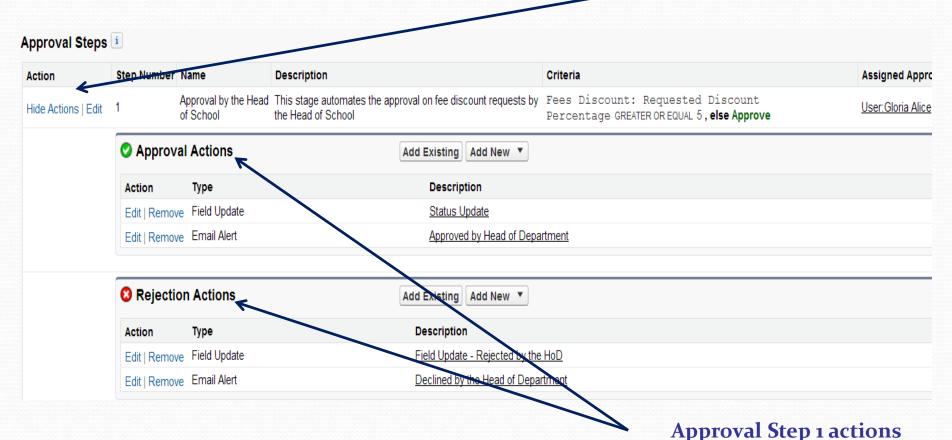
Email Alert action



Step 1.2: Automatically send email to the submitter in case the request is declined by the Head of the Department

Approval Step 1 with actions

Approval Step 1 definition



representations

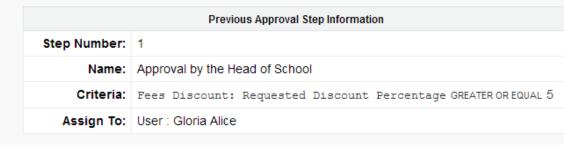
Figure: Approval Step 1 with actions on acceptance and rejection

Approval Step 2

Defining step 2 approval

Step 1. Enter Name and Description

Enter a name, description, and step number for your new approval step.



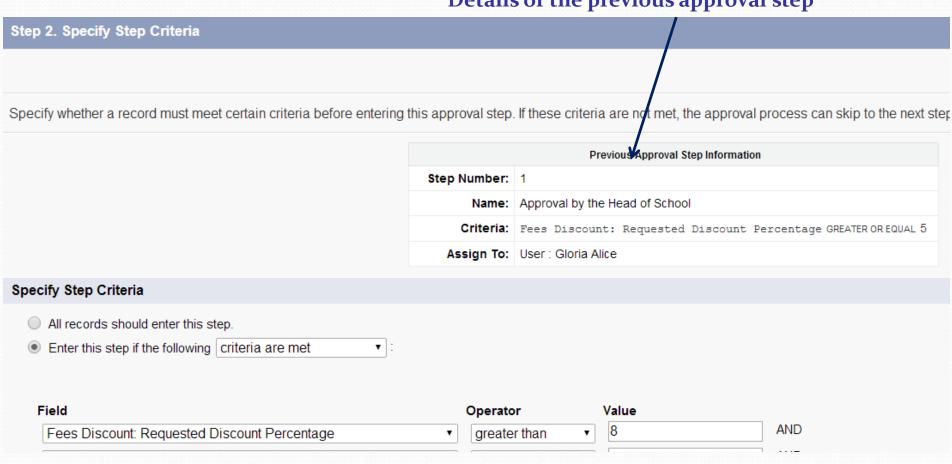
Enter Name and Description

Approval Process Name	Discount Approval Automation	
Name	Approval by the Dean	
Unique Name	Approval_by_the_Dean	i
Description	This email alert sends an email to the submitter that the Dean's approval has been procured.	

Step 2: Name and description of the step 2 approval process

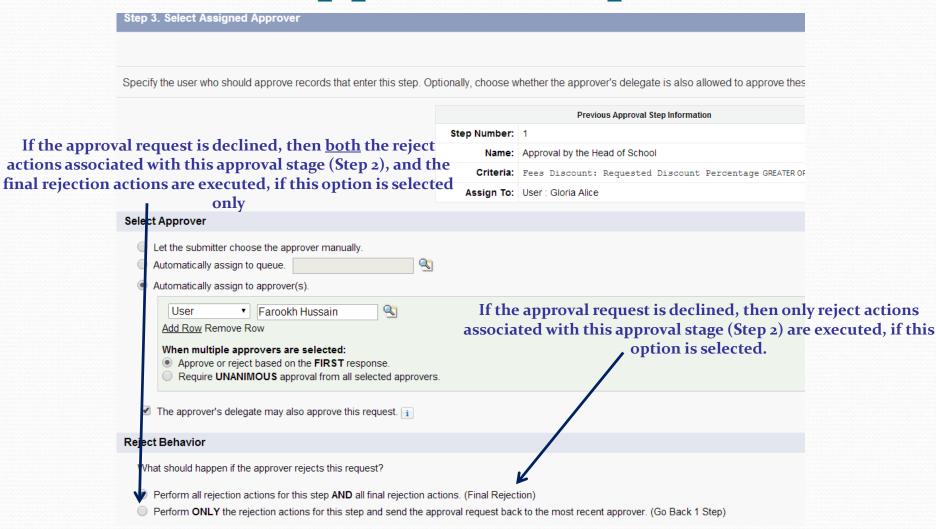
Approval Step 2

Details of the previous approval step



Step 2: Defining the criteria which records should enter this approval stage

Approval Step 2



Step 2: Defining the approver for Approval step 2 and the reject behavior

Actions with Approval Step 2

- **Step 2.1**: Actions on accepting:
 - Field Update (Update the Discount Status to "Approved by the Dean")
 - Email Alert (Send email to the submitter of the approval)

Approval Step 2 - Field update action

Field Update Edit	Save & New Cancel
Identification	
Name Unique Name	Status Update approved i
Description	Ciatas_opaate_approved_E
Object Field to Update	Fees Discount Fees Discount: Discount Status
Field Data Type	Picklist
Re-evaluate Workflow Rules after Field Change	i
Specify New Field Value	
	Picklist Options
	 The value above the current one The value below the current one A specific value Approved by the Dean
	Save Save & New Cancel

<u>Step 2.1</u>: Second Step Approval Field Update - Automatically updating the "Discount Status" field in case the request is accepted by the Dean

Approval Step 2 - Email alert action

Email Alert Edit	Save & New Cancel
Edit Email Alert	
Description	Approved by Dean
Unique Name	Approved_by_Dean i
Object	Fees Discount
Email Template	Approval by the Dean
Protected Component	
Recipient Type	Search: User ▼ for: Find
Recipients	Available Recipients Selected Recipients
	User: Farookh Hussain Auguser: Gloria Alice Add Remove

<u>Step 2.1</u>: Second Step Approval Email Alert- Automatically notifying the submitter in case the request is accepted by the Dean

Actions with Approval Step 2

- **Step 2.2**: Actions on rejection:
 - Field Update (Update the Discount Status to "Declined by the Dean")
 - Email Alert (Send email to the submitter of the approval)

Approval Step 2 - Field update action

	Status Update declined b Status_Update_declined_ Fees Discount
Unique Name	Status_Update_declined_i
	Fees Discount
Field to Update F	Fees Discount: Discount Status Picklist
Specify New Field Value	
F	Picklist Options
	The value above the current one The value below the current one A specific value Declined by the Dean

<u>Step 2.2</u>: Second Step Approval Field Update - Automatically updating the "Discount Status" field in case the request is declined by the Dean

Approval Step 2 - Email alert action

Create an email alert to associate with one or more workflow rules, approval processes, or entitlement processes. When changing an em

Email Alert Edit	[Save & New Cancel	
Edit Email Alert			
Description	Declined by the Dean		
Unique Name	Declined_by_the_Dean i		
Object	Fees Discount		
Email Template	Your approval request has		
Protected Component			
Recipient Type	Sograh: Hear	- for	Find
Recipients	Search: User	▼ for:	Find
·	Available Recipients	Selected Recipients	
	User: Farookh Hussain A User: Gloria Alice	Record Creator	
		Add	
	Re	emove	

<u>Step 2.2</u>: Second Step Approval Email Alert- Automatically notifying the submitter in case the request is declined by the Dean

Part 4 – Final approval and final rejection actions

- Final approval actions:
 - Action 1 (Field update): Automatically update the discount status field on the record to "Approved";
 - Action 2 (Task): Assign a task to the submitter, requesting him to inform the student that thee request has been accepted.
- To define final approval actions, go the section "Final Approval Actions" in the Approval Definition



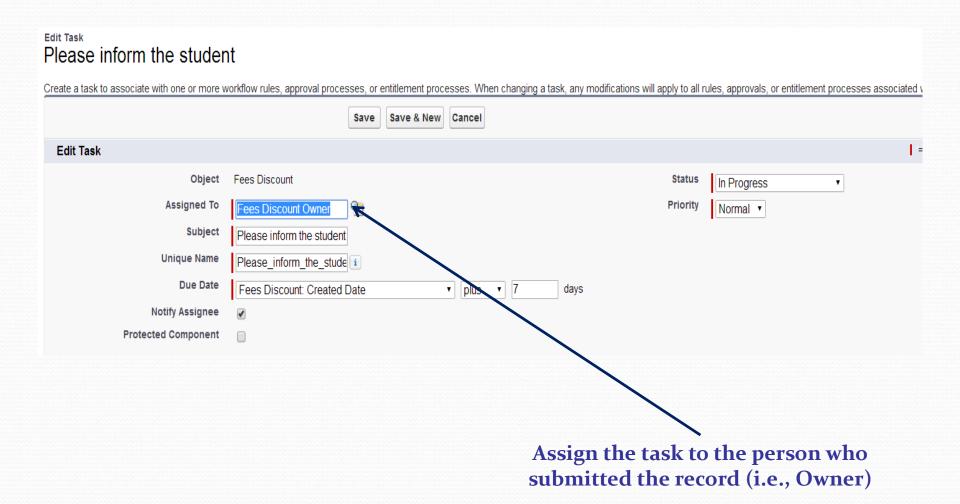
<u>Figure</u>: Select "Add New" in the final approval actions section to define new actions

Field update as a Final Approval Action

Field Update Edit	Save Save & New Cancel
Identification	
Name Unique Name	Field Update - Finally app Field_Update_Finally_ap
Description	This field update updates the discount status picklist to "Approved"
Object Field to Update Field Data Type Re-evaluate Workflow Rules after Field Change	Fees Discount Fees Discount: Discount Status Picklist
Specify New Field Value	
	Picklist Options
	The value above the current one The value below the current one A specific value Approved None Approved Declined Requested Approved by the Dean Approved by the Head of Department Declined by the Dean Declined by the Dean

<u>Figure</u>: Defining a field update to set the value of Discount Status to "Approved" on final acceptance

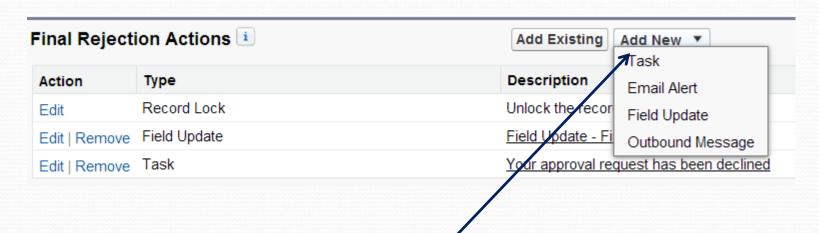
Task as a Final Approval Action



<u>Figure</u>: Defining a task to be assigned to the record submitter on final acceptance

Part 4 – Final approval and final rejection actions

- Final rejection actions:
 - Action 1 (Field update): Automatically update the discount status field on the record to "Rejected";
 - Action 2 (Task): Assign a task to the submitter, requesting him to inform the student that the request has been declined.
- To define final rejection actions, go the section "Final Rejection Actions" in the Approval Definition



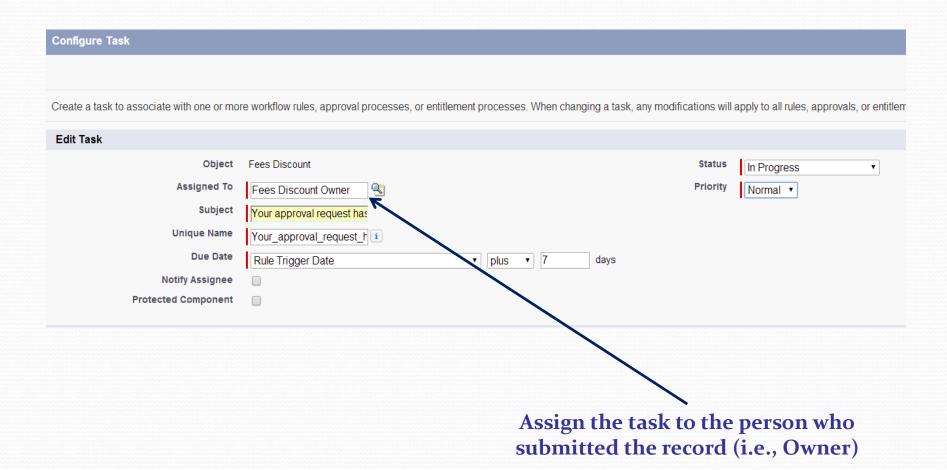
<u>Figure</u>: Select "Add New" in the final rejection actions section to add new actions

Field update as a Final Rejection Action

Field Update Edit	Save & New Cancel
Identification	
Name Unique Name	Fleid Opdate - Filial Tejec
Description	
Object	Fees Discount
Field to Update	Fees Discount: Discount Status
Field Data Type	Picklist
Re-evaluate Workflow Rules after Field Change	i
Specify New Field Value	
	Picklist Options
	 The value above the current one The value below the current one A specific value Declined -None Approved Declined
	s Requested
	Approved by the Dean Approved by the Head of Department Declined by the Head of Department Declined by the Dean

Figure: Defining a field update action to set Discount Status to "Declined", as a final rejection action

Task as a Final Rejection Action



<u>Figure</u>: Defining a task to be assigned to the record submitter on final rejection