AccelaEngage 2014

HOTS: Scripting 101 Exercises

#AccelaEngage

Logistics

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Agency: Script2 – Script35

Username: class1

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Exercise Materials

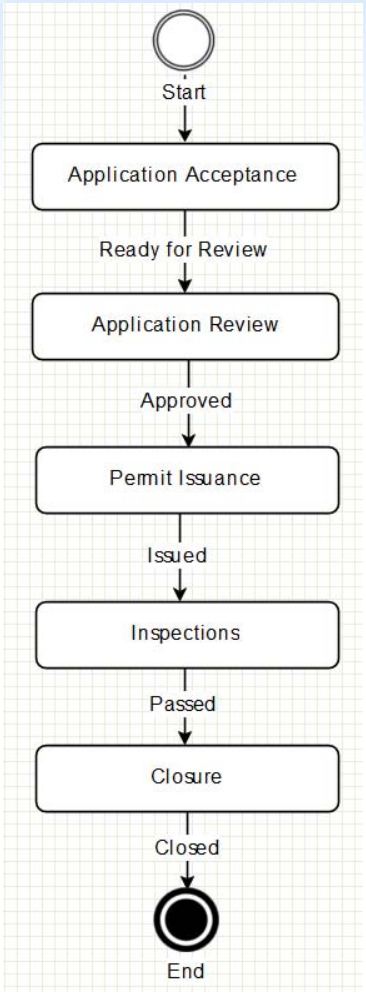
?:\Scripting 101 Materials

Exercise Summary

For the following exercises, we will walk through the life-cycle of a simple building permit application record and add some common scripts along the way.

Record Type: Building/Script1/NA/NA

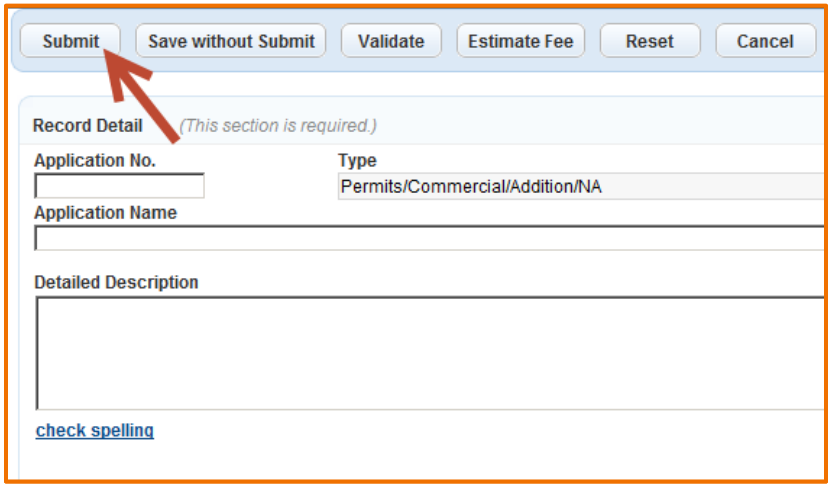
Manual Task	Automation (Scripts)
An application is submitted in Automation or ACA	• Send email notification to applicant • Calculate Square footage in ASI
Agency staff updates the application workflow to “Ready for Review”	• Assess an application fee
Agency staff reviews the application and updates workflow to “Approved”	• Validate all fees have been paid
Customer makes a payment	• Update workflow to Application Review > Fees Paid
Agency staff updates workflow to “Approved”	• Update workflow to Permit Issuance > Issued • Schedule Inspection • Update Expiration Date • Send an email to the applicant
Inspector results inspection as Passed	• Update workflow to Inspections > Passed • Close the workflow Closure > Closed

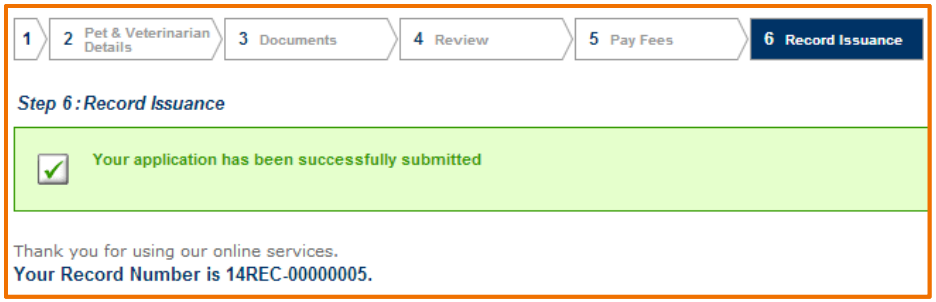


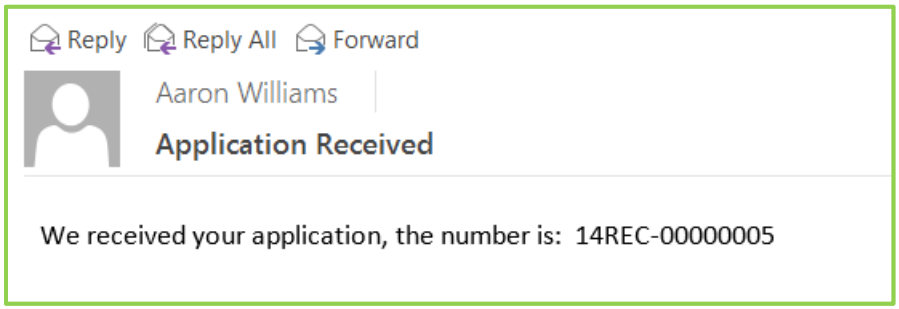
Exercise 1: ApplicationSubmitAfter

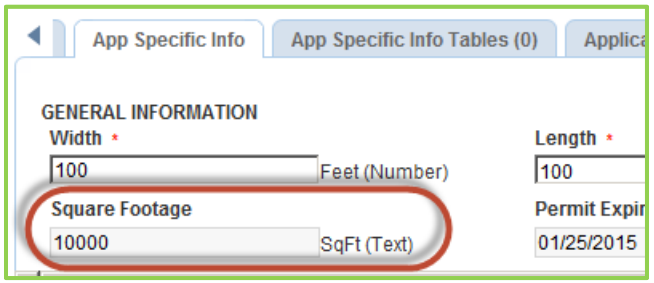
When an application is submitted:

- Send an email to notify the applicant that their application has been received.
- Calculate the ASI Square Footage using the Width & Height ASI values









Exercise 1: ApplicationSubmitAfter

Master Scripts 2.0 Solution

Standard Choice: ASA:Building/Script1/NA/NA

Script Code:

10	`true ^ email("saxthelm@accela.com","noreply@email.com","Application Received","We received your application, the number is: " + capIDString);`
20	`true ^ editAppSpecific("Square Footage",parseInt(AInfo["Width"]) * parseInt(AInfo["Length"]));`

Exercise 1: ApplicationSubmitAfter

Master Scripts 3.0 Solution

Script Name: ASA:BUILDING/SCRIPT1/NA/NA

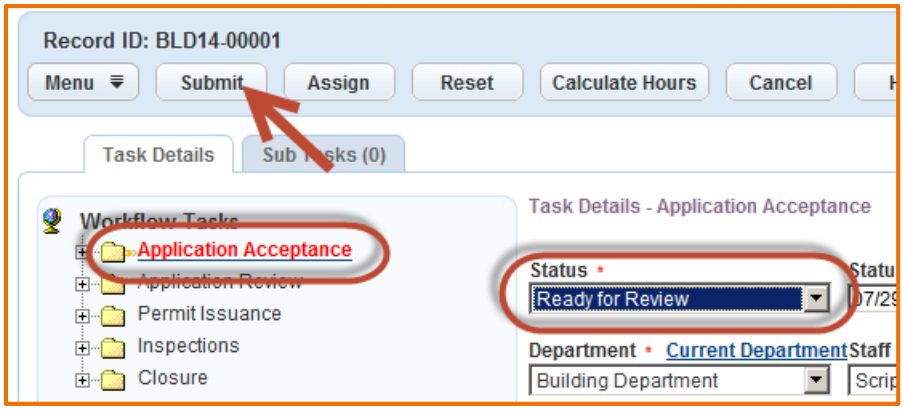
Script Code:

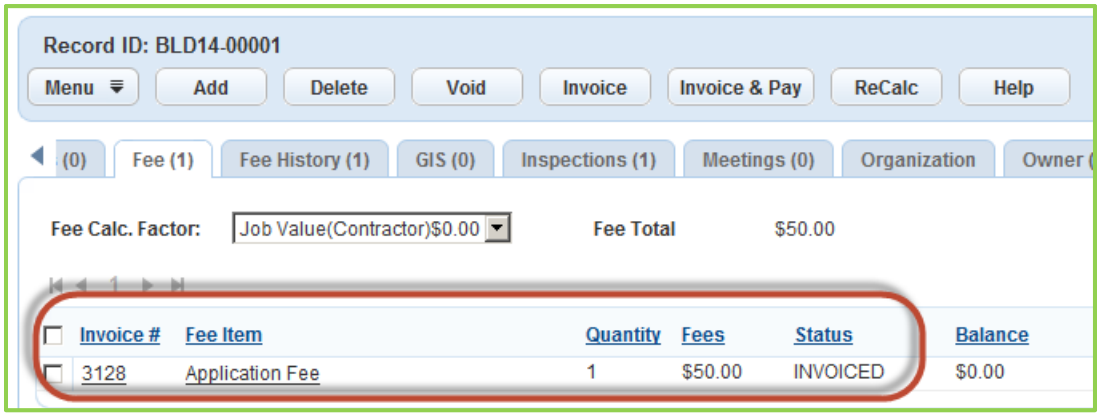
```
email("saxthelm@accela.com","noreply@email.com","Application Received","We received your
application, the number is: " + capIDString);

editAppSpecific("Square Footage",parseInt(AInfo["Width"]) * parseInt(AInfo["Length"]));
```

Exercise 2: WorkflowTaskUpdateAfter

When the workflow task “Application Acceptance” is updated with the status of “Ready for Review”:

- Add an application fee to the record





Exercise 2: WorkflowTaskUpdateAfter

Master Scripts 3.0 Solution

Script Name: WTUA:BUILDING/SCRIPT1/NA/NA

Script Code:

```
if (wfTask == "Application Acceptance" && wfStatus == "Ready for Review") {
     addFee("APPLFEE","SCRIPT_TRAINING","FINAL",1,"Y")
}

if (wfTask == "Application Review" && wfStatus == "Approved") {

     closeTask("Permit Issuance","Issued","Auto Issued via Script","");

     email("saxthelm@accela.com","noreply@email.com","Permit Issued","Your permit
     application has been approved, your permit number is: " + capIDString);

     editAppSpecific("Permit Expiration Date",dateAdd(null,180));

     scheduleInspection("Building Inspection",30);
}
```

Exercise 2: WorkflowTaskUpdateAfter

Master Scripts 2.0 Solution

Standard Choice: WTUA:Building/Script1/NA/NA

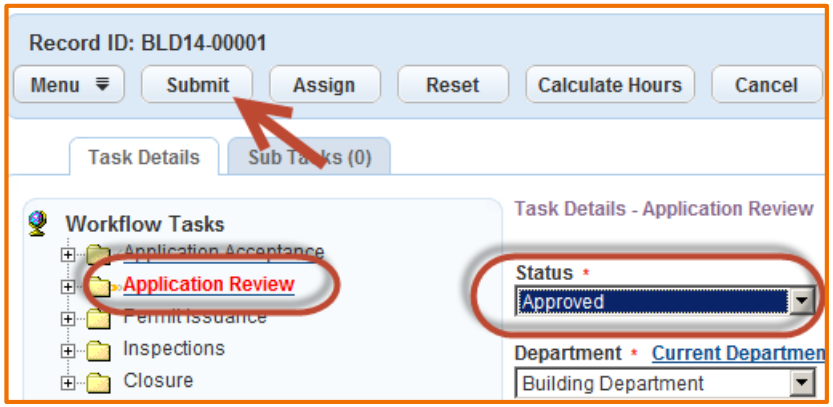
Script Code:

10	wfTask == "Application Acceptance" && wfStatus == "Ready for Review" ^ addFee("APPLFEE","SCRIPT_TRAINING","FINAL",1,"Y");
20	wfTask == "Application Review" && wfStatus == "Approved" ^ closeTask("Permit Issuance","Issued","Auto Issued via Script","");
30	^ email("saxthelm@accela.com","noreply@email.com","Permit Issued","Your permit application has been approved, your permit number is: " + capIDString);
40	^ editAppSpecific("Permit Expiration Date",dateAdd(null,180));
50	^ scheduleInspection("Building Inspection",30);

Exercise 3: WorkflowTaskUpdateBefore

When the workflow task “Application Review” is updated with the status of “Approved”, if the record has unpaid fees (balance due > 0):

- Stop the workflow from updating
- Display a message to the user: “"Balance must be paid in **FULL** before moving forward."



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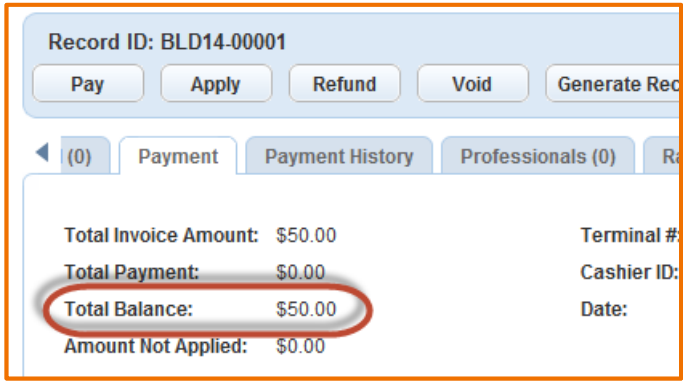
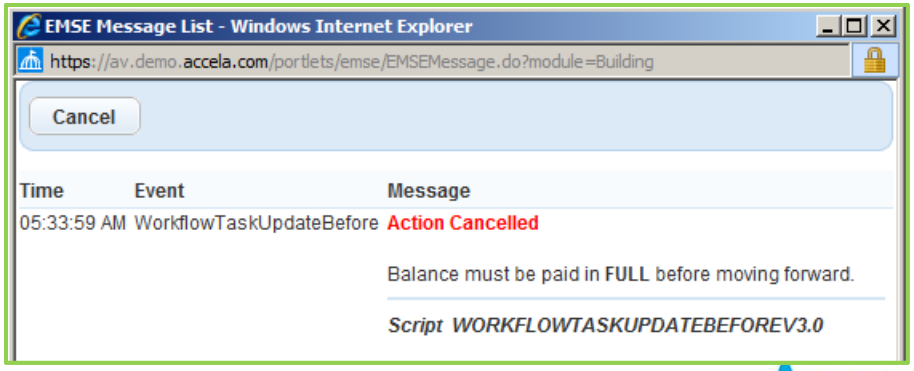




Exercise 3: WorkflowTaskUpdateBefore

Master Scripts 2.0 Solution

Standard Choice: WTUB:Building/Script1/NA/NA

10	wfTask == "Application Review" && wfStatus == "Approved" && balanceDue > 0 ^ cancel = true; showMessage = true; comment("Balance must be paid in FULL before moving forward.");

Master Scripts 3.0 Solution

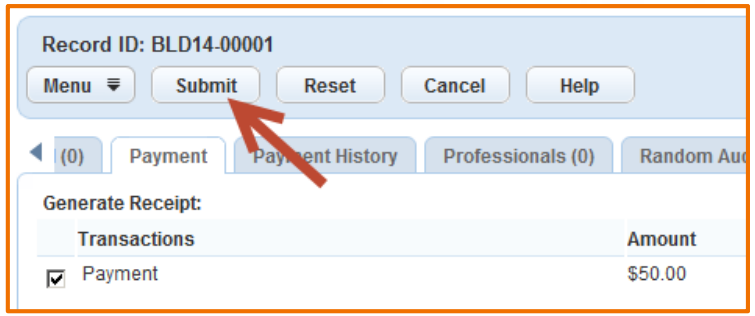
Script Name: WTUB:BUILDING/SCRIPT1/NA/NA

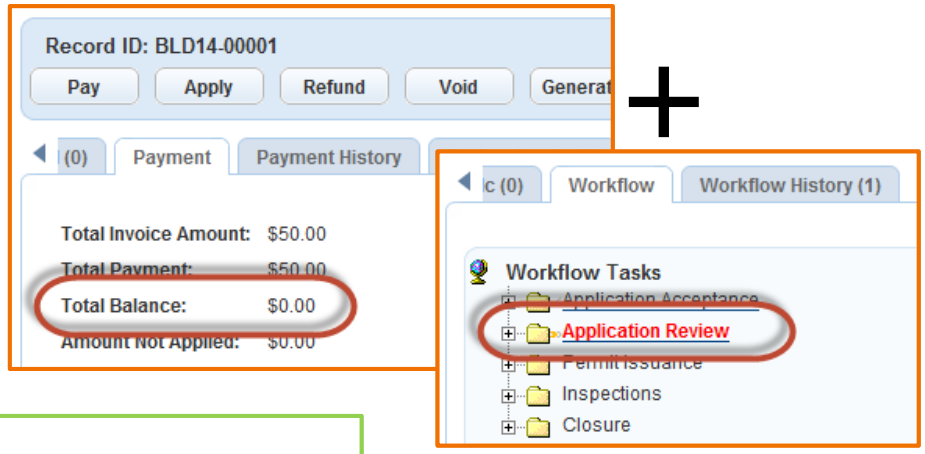
```
if (wfTask == "Application Review" && wfStatus == "Approved" && balanceDue > 0) {
     cancel = true;
     showMessage = true;
     comment("Balance must be paid in <strong>FULL</strong> before moving forward.")
}
```

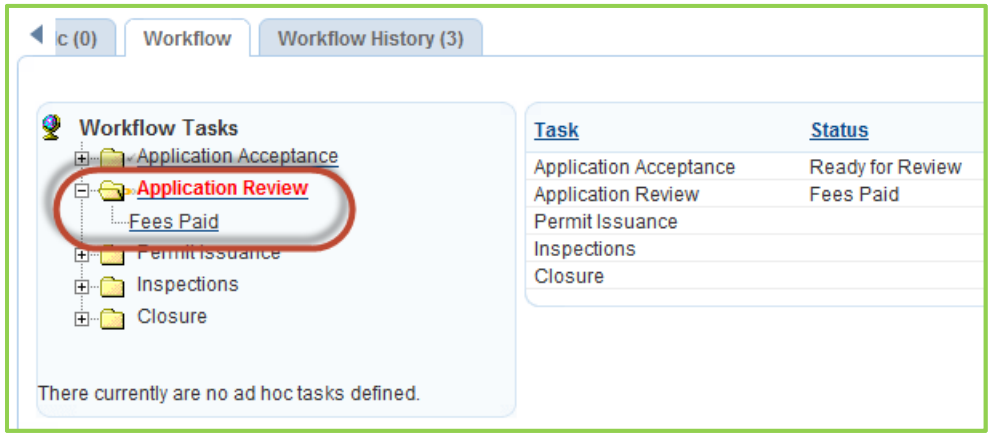
Exercise 4: PaymentReceiveAfter

After a payment is made, if the “Application Review” workflow task is active and all fees are paid in full (balance due = 0):

- Update the “Application Review” task with a status of “Fees Paid”.







Exercise 4: PaymentRecieveAfter

Master Scripts 2.0 Solution

Standard Choice: PRA:Building/Script1/NA/NA

10	balanceDue <= 0 && isTaskActive("Application Review") ^ updateTask("Application Review","Fees Paid","Fees paid in full on sysDateMMDDYYYY","");

Master Scripts 3.0 Solution

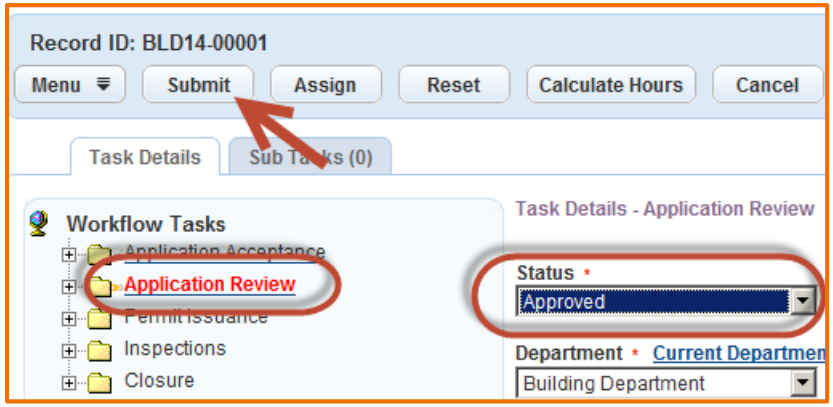
Script Name: PRA:BUILDING/SCRIPT1/NA/NA

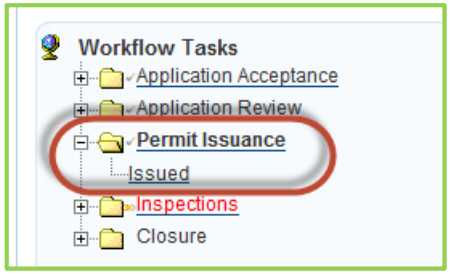
```
if (balanceDue <= 0 && isTaskActive("Application Review")) {
     updateTask("Application Review","Fees Paid","Fees paid in full on
     sysDateMMDDYYYY","");
}
```

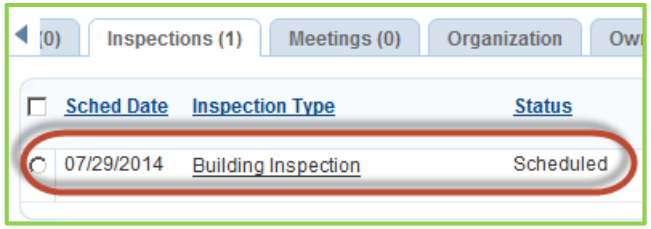
Exercise 5: WorkflowTaskUpdateAfter

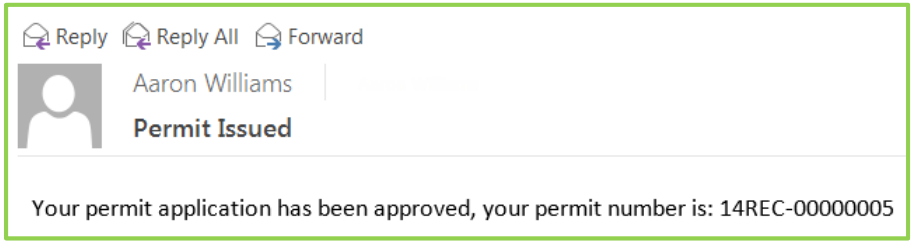
When the workflow task “Application Review” is updated with the status of “Approved”:

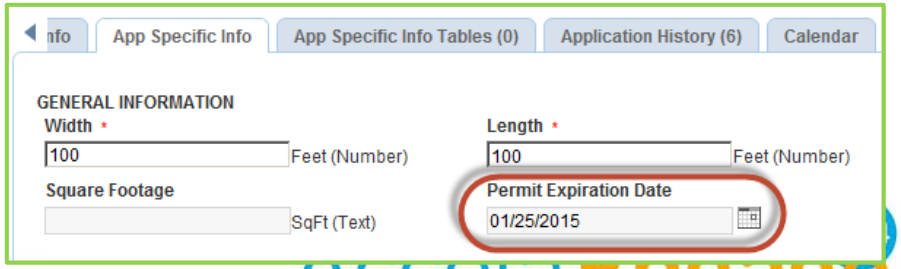
- Close the workflow task “Permit Issuance” with a status of “Issued”
- Schedule a “Building Inspection”
- Update the Permit Expiration Date ASI field to 180 days from the issue date
- Send an email notification to the applicant











Exercise 5: WorkflowTaskUpdateAfter

Master Scripts 2.0 Solution

Standard Choice: WTUA:Building/Script1/NA/NA

10	wfTask == "Application Acceptance" && wfStatus == "Ready for Review" ^ addFee("APPLFEE","SCRIPT_TRAINING","FINAL",1,"Y");
20	wfTask == "Application Review" && wfStatus == "Approved" ^ closeTask("Permit Issuance","Issued","Auto Issued via Script","");
30	^ email("saxthelm@accela.com","noreply@email.com","Permit Issued","Your permit application has been approved, your permit number is: " + capIDString);
40	^ editAppSpecific("Permit Expiration Date",dateAdd(null,180));
50	^ scheduleInspection("Building Inspection",30);

Master Scripts 3.0 Solution

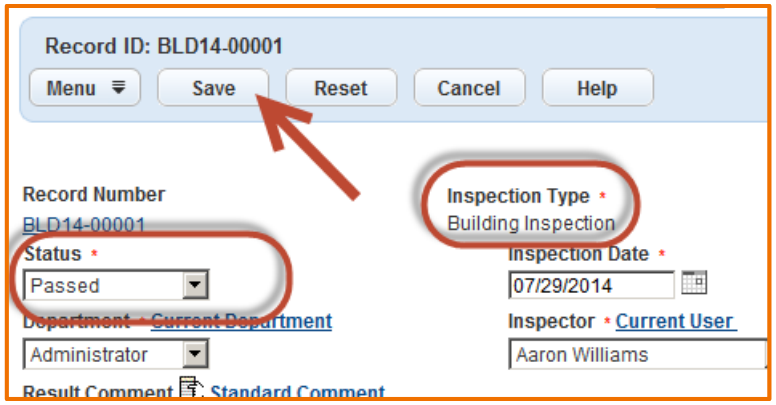
Script Name: WTUA:BUILDING/SCRIPT1/NA/NA

```
if (wfTask == "Application Acceptance" && wfStatus == "Ready for Review") {
     addFee("APPLFEE","SCRIPT_TRAINING","FINAL",1,"Y")
}

if (wfTask == "Application Review" && wfStatus == "Approved") {

     closeTask("Permit Issuance","Issued","Auto Issued via Script","");

     email("saxthelm@accela.com","noreply@email.com","Permit Issued","Your permit application has
     been approved, your permit number is: " + capIDString);

     editAppSpecific("Permit Expiration Date",dateAdd(null,180));

     scheduleInspection("Building Inspection",30);
}
```

Exercise 6: InspectionResultSubmitAfter

When a “Building Inspection” is resulted with a status of “Passed” and the “Inspections” workflow task is active:

- Close the “Inspections” workflow task with a status of “Passed”
- Close the “Closure” workflow task with a status of “Closed”



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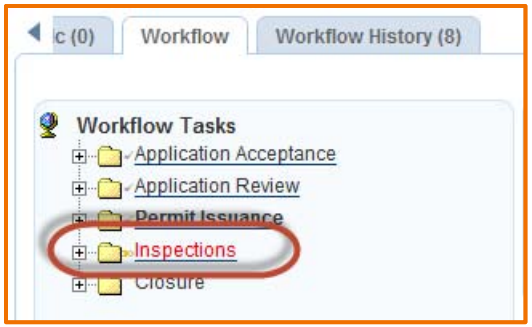

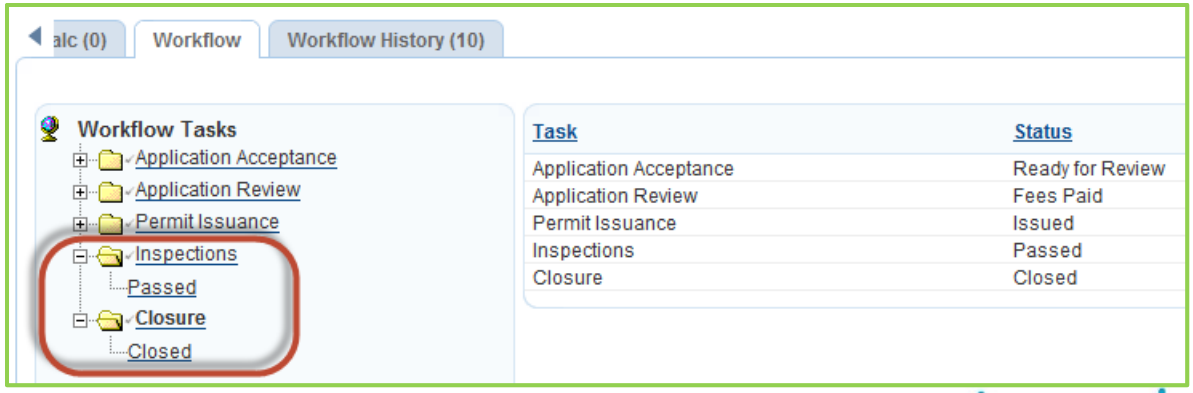

Exercise 6: InspectionResultSubmitAfter

Master Scripts 2.0 Solution

Standard Choice: IRSA:Building/Script1/NA/NA

10	inspType == "Building Inspection" && inspResult == "Passed" && isTaskActive("Inspections") ^ closeTask("Inspections",inspResult,inspComment,""); closeTask("Closure","Closed","Auto-closed via inspection result script","");

Master Scripts 3.0 Solution

Script Name: IRSA:BUILDING/SCRIPT1/NA/NA

```
if (inspType == "Building Inspection" && inspResult == "Passed" && isTaskActive("Inspections")) {
     closeTask("Inspections",inspResult,inspComment,"");
     closeTask("Closure","Closed","Auto-closed via inspection result script","");
}
```