

HCL Domino Volt Step by Step Tutorial

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Create the course catalog app from a spreadsheet

• Create a <u>New Application</u> / <u>From Spreadsheet</u> using *coursecatalog.xlsx*. Accept all the defaults.

	Choose your Excel	Choose fields,	Enter new	
	spreadsheet	names, and types	application details	
	Cho	ose your Excel spreadsh	eet	
		Spreadsheet (.xls or .xlsx):		
	Choose F	ile Course Catalog.xlsx		
	How 1	to structure your spreads	heet	
Data	needs to be in table format.		Use the first row as a header.	
	column will become a field cation.	in the	Use multiple sheets for more than one table.	

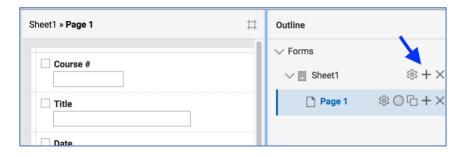
- From the Manage page, click on <u>View Responses</u> for viewing the imported spreadsheet data.
- Customize the view by showing the form in right hand panel. Scroll down and select <u>View form in the right panel in Application viewing options</u>.
- View records by clicking in them.

tesponses	Summary							
Customize	Create Filters	Refresh Data	Export Data	Import Data			Launch Previous Next	Sheet1 - Su Print Delete Recor
	Course #	Title	Date	Time	Cost	Location	Instructor	Course #
	1	Security Training	4/18/2020	9:00 AM	\$2,000.00	Chicago	Sylvia Woods	2
	2	New Hire Orientati	5/23/2020	8:30 AM	\$3,000.00	Boston	Mary Jones	Title
~₹1	3	Leadership	5/12/2020	8:30 AM	\$5,000.00	Boston	Ted Monson	New Hire Orientation
	4	Advanced Domino	4/26/2020	9:00 AM	\$1,000.00	New York	Marty Lechleider	Date
	5	Intro to Domino	5/26/2020	8:30 AM	\$3,000.00	Chicago	Mary Jones	5/23/2020
	6	JavaScript Basics	7/14/2020	9:00 AM	\$2,000.00	New York	Ted Monson	Time
	7	JavaScript Advanc	8/1/2020	9:00 AM	\$1,500.00	Boston	Marty Lechleider	8:30 AM
	8	Node.JS	8/15/2020	9:00 AM	\$1,000.00	Miami	Sylvia Woods	Cost
	9	Styling with CSS	9/14/2020	8:30 AM	\$2,000.00	Raleigh	Marty Lechleider	\$3,000.00
10 y 5 10 2	0 I 25 liama					•	Previous I Next	New York

Create the Request application

• Switch back to Manage page and edit the new Course Catalog app.

• Add a new Form by clicking on the + in the application outline.



- Name the new form 'Request' and accept Default Layout.
- Rename Sheet1 to 'Catalog' by clicking <u>Sheet1</u> text.
- Drag and drop Request so it is before Catalog.

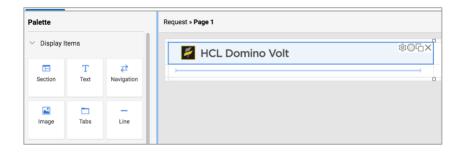
Request » Page 1	Outline	
	✓ Forms	
	V 🗏 Request	© + ×
	🗋 Page 1	⊘ဌ+×
	🗸 🗐 Catalog	© + ×
	🗋 Page 1	©℃+×

- Under Request / Page 1 click on the properties icon [®] select the Advanced tab.
- You will see that the width has been set to a dynamic range of 400 to 800 by default with a breakpoint of 700 to collapse the form to a single column.

	T
Edit Page Properties	Outline
Basic Advanced Events	V Forms
ID: ①	V 🗏 Request
P_NewPage1	🗋 Page 1
Width:	> 🖹 Catalog
◯ Narrow (400 pixels) ①	
◯ Medium (700 pixels) ①	
Wide (1000 pixels) ()	
O Specific Value: pixels	
O Dynamic Value:	
Minimum width: 400 pixels	
Maximum width: 800 pixels	
Enable dynamic layout	
When the width of the window is less than 700 pixels:	
Change to single column mode	
Change to carousel mode	
Display stage action buttons on this page.	

Add image and title to the page

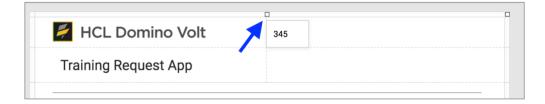
- Add an Image from the <u>Display Items</u> palette to the top of Page 1 in the Request form.
- In the Image properties select <u>Add file</u> and use this URL: https://leapsandbox.hclpnp.com/VoltFIles/HCL_Domino_Volt.svg
- Size the height to 30.



- Add <u>Text</u> from the palette below the Image.
- Enter 'Training Request App'.
- Highlight the text entered and set the style to Heading 1

Forms	Access	Stages	St Edit Text Properties
Palette	Items		Basic Advanced Events
Section	T Text	₹ Navigation	Insert Item $\sim \Leftrightarrow \rangle$ $ = := = = E = = = = F T = = = = F T = = = = F = = = = F = = = = F = = = F = = = F = = = F = = F = = F = = F = = F = F$
I mage	Tabs	 Line	Normal St App Heading 1
✓ Fields			Heading 2

- Add a <u>Line</u> from the <u>Display Items</u> palette and place it below the Text.
- Drag the lower right-hand corner across columns so that it spans the width of the page.
- Grab the column handle at the top of the page and set the columns to a similar width of roughly 350 pixels.



Add fields for Name and Email

- Add <u>Single Line Entry</u> field from the <u>Fields</u> palette and name it 'Name'.
- Edit the properties ^(a) for Name and set the width to full.
- Click the Duplicate icon 🗅 on Name.
- Rename the new field to 'Manager Name'.
- Add <u>Email</u> field from the <u>Fields</u> palette to the right of Name.
- Edit the properties @ for Email and set the width to full.
- Click the Duplicate icon 🗅 on Email.
- Rename the new field to 'Manager Email'.

Palette			Request » Page 1		
✓ Display Items			HCL Domino Volt		
Section	T Text	₹ Navigation	Training Request App		
Image	Tabs	 Line	Name		Email
✓ Fields			Manager Name		Manager Email
Γ		#		-	

Add dropdown to select a course

• Add a <u>Drop Down</u> field from the palette. Name it 'Select a Course'.

Populate the dropdown with a service call to the course catalog

- Edit the dropdown properties ^(a) and under Options click on Edit.
- Select Use a Service.
- Click Add/Edit Service Configuration.
- Select Or, Select a Service
- Click on <u>Course Catalog / Sheet1 / Search</u> service under Current Application.

Service Confi	guration			;
1. Service	2. Inputs	3. Outputs	4. Details	
Creating a Servic nove data betwe	0		rou provide a URL or select a service, then cr vice.	eate input and output maps to
Enter a URL				
🖸 Or, select a se	ervice			
Selected Servio	g: Current App	lication	Clear Clear In the search	
 Current ap saved. 	plication and o	locument servio	ces will not appear until the application is	Display:
course catalog	·			
course catalog	g / Sheet1 / Se	arch		
course catalog	g / Sheet1 / Su	bmit (S_Submit	t) / Create	
course catalog	g / Sheet1 / Su	bmitted / Updat	te (S_Update) / Update	

- Click on <u>3. Outputs</u>.
- Map <u>Searched Records / Record Unique Identifier</u> to the <u>Select a Course / Options /</u> <u>Saved Value</u>. Do this by highlighting the two fields and clicking on the connector icon
 in the middle.
- Map <u>Searched Records / Title</u> to the <u>Select a Course / Options / Displayed Value</u>.
- Click <u>OK</u> when finished.

ervice Configuration	
1. Service 2. Inputs 3. Outputs 4. Details	
reate Output Assignments	
course catalog / Sheet1 / Search	Request
Select source:	Select target:
 Found Matches Found No Matches Found No Matches Searched Records Becord Unique Identifier Line ID Stage ID Stage ID 	Manager Email ① ✓ I Select a Course ② ✓ I Options ③ I Options ④ I Options ④ I Options ④ I Optione ✓ ③ I Displayed Value ✓ ④ View: Basic ✓
≜© Last Updated 0	View. Dusie
ssigned Outputs	
Source	Target
Searched Records > Record Unique Identifier	Page 1 > Select a Course > Options > Saved Value
Searched Records > Result (F_Title1) "Title"	Page 1 > Select a Course > Options > Displayed State S

- Click on the Preview icon in the upper right to test the service call.
- Allow pop-ups in your browser.
- Close the preview window.

Style	Events	Settings	Validation						\Box Preview \sim	🔡 Save	Close
R	equest » Request	Form						□	outline		
	🗾 HCI	_ Domin	o Volt	C]			1	✓ Forms ✓	st	© + >
	Training	g Request	Form			E	mail		🗋 Requ	uest Form	©℃+>
	Manager Nar	ne					Manager Email		- Mgr	Summary	◎◎곱+>
	Select a Cou			② 〇 石 ×					> 🗏 Catalo	g	◎ + >
-		uest / Catalog	y ~	A							

Style your app

- Download the font file from https://leapsandbox.hclpnp.com/VoltFiles/Gotham-Book.woff2.
- Click on the <u>Settings</u> tab on top.
- Select Files on left side and add the font file you downloaded Gotham-Book.woff2
- Click on the <u>Style</u> tab on the top.

- Under Theme click <u>Customize</u>.
- Under <u>General / Fonts / General</u> select Gotham-Book in <u>Family</u> dropdown.

Theme name:	
MyTheme	Sample
Theme:	* Name * Address
Flat Blue 🗸	Name Hint
✓ General	Address
✓ Page Layout	Hint
Box >	
Centered 🗸	* Date of Birth Button
Background color	
Background image	Hint
→ Add file	
✓ Fonts	Tab 1 Tab 2
General >	* Employment
Label Font	Full Time Part Time Contract
Error Mess Hints > Size 14 px	
Input Text	
> Required Inc Color	Submit Cancel Back Nex
> Buttons Family ✓ Default + Times New Roman	

- Click on the <u>Forms</u> tab to go back to the design canvas.
- Add an<u>Specialized / HTML</u> Fragment from the palette to the bottom of page.
- Add the following in-line CSS to the HTML Fragment. This will hide the top banner.

<style></th></tr><tr><td>.lotusBanner</td></tr><tr><td>{</td></tr><tr><td>display: none;</td></tr><tr><td>}</td></tr><tr><td></style>

- Enter the above HTML directly into the HTML Fragment.
- Preview again to see the style changes.

Add a Section and fields for selected course information

- Add a <u>Section</u> item from the palette to the bottom of the page.
- Drag the lower right-hand corner of the Section item across columns so that it spans the width of the page.
- Under Section properties ^(a) name it 'Course Information'.
- On the <u>Advanced</u> tab of Section properties Enable dynamic layout and set the breakpoint to 550.

- Add a <u>Single Line Entry</u> field for 'Course Title', <u>Currency</u> field for 'Cost' and then <u>Date</u> and <u>Time</u> fields to the Section.
- Add a <u>Multi-Line Entry</u> field for 'Description' and drag it across columns. Under Properties [®] set the <u>Width</u> to 'Full Width'
- Add a <u>Single Line Entry</u> field for 'Instructor'.
- Add an Image to the right of Instructor and set its height to 60.

course catalog / Sheet1 / S 🗸	
Course Title	Cost
Date	□ Time □℃
Description	
Instructor	©⊡× Click "Edit Properties" to add an image
	file

- Add <u>Single Line Entry</u> field for 'Location'.
- Add <u>Select One</u> field for 'Is Travel Required'. Set the choices to 'Yes' and 'No' in properties [®]. On the <u>Advanced</u> tab set the Choice Layout to horizontal.
- Add a <u>Single Line Entry</u> field for 'Travel Authorization Number'.

Click "Edit Properties" to add an image file	Course Title	Cost
Instructor Click "Edit Properties" to add an image file Location Is travel required		
Click "Edit Properties" to add an image file Location Is travel required	Description	
	Instructor	-
	Location	

Add a Rule to show Travel Authorization Number field

- Click the Rules icon O on <u>Travel Authorization Number</u>.
- Add a Rule to *show* Travel Authorization Number and make it *required* when Is Travel Required *equals* Yes.

Rules		×
Show rules related to: ① Travel Authorization Number	Rule Name: Rule 4	
Rule 1	Travel Authorization Number	+×⊘
	Travel Authorization Number	+×⊘
	When the following condition is true: ①	
	Travel Required V Equals V	+×⊘
	A fixed value V Select item	
	● Yes ○ No	
	Clear selection	

Add service to retrieve selected course information

- Edit the <u>Select a Course</u> properties ^(a).
- On the <u>Events</u> tab click on <u>onItemChange</u>.
- Click <u>Call a Service</u> and then <u>Add/Edit Service Configuration</u>. Hint: be sure to create a new service configuration. Do not edit the one you created to populate the dropdown.
- Select <u>Course Catalog / Catalog / Retrieve</u> from the list of services under <u>Current</u> <u>Application</u>.
- Click on <u>2. Inputs</u> and map the <u>Page1 / Select a Course</u> dropdown to <u>Retrieve by Unique</u> <u>Identifier</u>.

Service Configuration	
1. Service 2. Inputs 3. Outputs	4. Details
Request	course catalog / Catalog / Retrieve
Select source:	Select target:
⊡ Email ① ∏ Manager Name ①	ab Retrieve by Unique Identifier ✓ ① # Retrieve by (F_Number1) "Course #" ①
🖂 Manager Email 🕕	ab Retrieve by (F_Title1) "Title"
📑 Select a Course 🗸 🕕	Retrieve by (F_Date1) "Date"
> 🗖 Section 🕕	Retrieve by (F_Time1) "Time"
View: Basic	View: Basic 🗸
ssigned Inputs	
Source	Target
Page 1 > Select a Course	Retrieve by Unique Identifier 🕸 🗙

- Click <u>3. Outputs</u> and map: <u>Title</u>, <u>Cost</u>, <u>Date</u>, <u>Time</u>, <u>Location</u>, <u>Description</u> and <u>Instructor</u> to their corresponding fields in the form.
- Map <u>Picture</u> to the <u>F_Image2</u> item in the form section.
- Click OK.

ervice Configuration	
1. Service 2. Inputs 3. Outputs 4. Deta	tails
reate Output Assignments	
course catalog / Catalog / Retrieve	Request
Select source:	Select target:
Result (F_Date1) "Date" C Result (F_Time1) "Time" Result (F_Cost1) "Cost" Result (F_Cost1) "Cost" Result (F_Location1) "Location" Result (F_Instructor1) "Instructor" Result (F_Picture1) "Picture"	Image Image Image Image View: Basic
ssigned Outputs Source	Target
Result (F_Title1) "Title"	Page 1 > Section > Course Title > Value 🕸 🗙
Result (F_Description1) "Description"	Page 1 > Section > Description > Value 🚳 🗙
Result (F_Time1) "Time"	Page 1 > Section > Time > Value 🚳 🗙
Result (F_Date1) "Date"	Page 1 > Section > Date > Value 🕸 🗙
Result (F_Instructor1) "Instructor"	Page 1 > Section > Instructor > Value 🛛 🕸 🗙
Result (F. Location1) "Location"	Page 1 > Section > Location > Value 🔗 🗙

• Save and preview to test the service configuration settings

Add manager summary page

- Click on the + icon next to <u>Page 1</u> in the outline.
- Call the new page Manager Summary.

Request » Manager Summary	₩	Outline	
		✓ Forms	
		✓	l‡ + ×
		Page 1	◎ဌ+×
		🗋 Manager S	\$um \$©℃+×
		> 🗏 Catalog	

- Add the image, title and line that are on the top of Page 1 to the top of this new page OR go to Page 1 and duplicate them and drag them over. If you take the second approach remember to delete the newly created rows which will be blank.
- Add <u>Text</u> from the palette and place it below the line.
- Enter the following text:

Your employee: Has requested to take: The cost: Date: Location:

• Use the <u>Insert Item</u> dropdown to add the value from the form to the end of each line. When you are done it should look like this.

Edit Text Properties
Basic Advanced Events
Content:
Insert Item - ← → ≔ ≔ = = = = = = = = = → ¶ ¶ + ∞ ⊑
Normal , Font , 16 , B <i>I</i> <u>U</u> S <u>A</u> <u>A</u> <u>O</u> Source
Your employee: {Name}
Has request to take: {Course Title}
The cost: {Cost}
Date: {Date}
Location: {Location}

- Drag the Text across columns so it spans the width of the page.
- Add <u>Text</u> from the palette and place it below this and enter 'Travel is not required'.
- Add a Rule to this Text so that it *shows* when <u>Is Travel Required?</u> *equals* No.
- •

Hint: You need to click Show items on all pages Show items on all pages to be able to select <u>Is</u> <u>Travel Required?</u>

Show rules related to: (1)	Rule Name: Rule 5
F_Text6	Perform this action: ()
Rule 5	× F_Text6 ✓ Show ✓ +×⊘
	When the following condition is true: ()
	Travel Required \checkmark Equals \checkmark + \times \oslash
	A fixed value Select item
	○ No
	Clear selection

- Add <u>Text</u> from the palette and place it below this and enter 'Travel is required and the authorization # is:'.
- Use the <u>Insert Item</u> dropdown to complete it so it says: 'Travel is required and the authorization # is: {Travel Authorization Number}'.
- Add a rule to this Text so that it *shows* when Is Travel Required *equals* Yes.
- Add a <u>Multi-Line Entry</u> field from the palette and place it below this.
- Set the properties so that it displays full width.
- Drag it across columns it so it spans the width of the page.
- Name it 'Managers Comments'.
- When you are done the Manager the Summary page should look like this.

✓ Fields			The cost: {Cost}	
I Single Line Entry	Multi-Line Entry	# Number	Date: {Date}	
Currency	🖼 Date	(L) Time	Travel is not required Travel is required and the authorization # is: {Travel Authorization Number}	
E mail	Drop Down	Check Box	Managers Comments Add hint	©℃×
Select One	Select Many	Survey		4

Add workflow to the app

- Click on the <u>Stages</u> tab.
- Select the <u>Submitted</u> Stage in the Stage outline on the left side of the screen.
- Click the + icon next to <u>Stages</u> and add a new Stage named 'Approved'.
- Click the + icon again and add a new Stage named 'Denied' after Approved.
- Select <u>Submitted</u> Stage and rename the button from Update to 'Approve'.
- Delete the <u>Cancel</u> button under <u>Submitted</u>. You can do this at the bottom.

	\$©[ЪΧ	愈(\$©×_			
1	Approve		Cancel		⊕ Add		

- Add a submit button and name it 'Deny'.
- Set the <u>Next Stage</u> option for <u>Approve</u> to the <u>Approved</u> Stage.
- Set the <u>Next Stage</u> option for <u>Deny</u> to the <u>Denied</u> Stage.

Forms	Access	Stages	Style	Events	Settings	Validation	
Stages			Ð	Request - Sub	mitted » Page 1		
> 🗟 Start							
v 👰 Subn	nitted	(j) (j)	r↑↓×	差 H	ICL Dom	ino Volt	
Mext St	e age: Approved	I ~	\$ <u>3</u>	Traii	ning Reque	est App	
Deny Next Sta	age: Denied	\sim	\$ <u>0</u>				
> 🗟 Appro	ved			Name			Email
> 💿 Denie	d			Manage	r Name		Manager Email
> \land End							
				Soloot a	Course		

Add notifications

- Select the <u>Start</u> Stage and click the properties icon ^(a) for <u>Submit</u>.
- Under <u>Activities</u> select <u>Send an Email</u>.
- Use the Insert Item dropdown to set the To: field to Manager Email.
- Use Insert Item to set the Cc: field to Email.
- Use Insert Item to add '{Name} is requesting to attend {Course Title}' to the subject line
- Enter the body of the email and use <u>Insert Item</u> to pull values from the form into your text and to add <u>Link to this Form</u>.

Edit Properties
Insert Item -
{Manager Email}
4
> Cc, Bcc, Reply To
Subject:
A value typed here:
Insert Item -
{Name} is requesting to attend {Course Title}
A
Contents of the Email:
A value typed here:
Insert Item - ← / → ≔ ≔ = = = = = = = = = = = = = = = = =
Normal , Font , Size , B I U S A OSource
Dear {Manager Name}
Your employee {Name} is requesting to attend {Course Title}. Please approve this request by using this link {Link to this form}
OK Apply Cancel

• DO NOT SAVE – if messaging is not setup on your server.

Set access rights and privileges for workflow stages

- Click on the <u>Access</u> tab.
- Select <u>1. Define Roles</u> on the left.
- Click the + icon to add a new Role named 'Managers'.

Forms	Access	Stages	Style	Events	Settings	Validation
1. Define	e Roles					
2. Assigr		ъ.	Define Ro	oles		
Admi)	nistrator (Role		Define a list o	f roles for thi	s application	
Initia	tor (Role)		Add and Ma	anage Roles		
Reco Owne	rd er <i>(Role)</i>		1. Administ	rator	×	
Mana	agers (Role)		2. Initiator		×	
3. Stage	Settings		3. Record C	wner	×	
🗏 Re	equest		4. Manager	S	×	+
1000	Start 2					

- Select <u>Managers</u> under <u>2</u>. <u>Assign Users</u> and add <u>All Authenticated Users</u> to the Role.
- Select the <u>Submitted</u> stage under <u>3. Stage Settings / Request</u> and set the <u>Managers</u> role to allow updates.

3. Stage Settings					
Request	Request - Submitted				
🗐 Start	Roles	Create	Read	Update	Delete
Submitted	Administrator				
	Initiator				
Approved	Record Owner				
Denied	Managers				

Set Stage visibility rules

- Click on the <u>Stages</u> tab.
- Selected the <u>Submitted</u> Stage.
- Click on the eye icon <a>o next to <a>Page 1 in the outline.

Forms Access Stages Styl	e Events Settings Val	idation	E	□ × □ × Close
Stages	Training Request - Submitted » Page	1	6	Outline
> 💿 Start				✓ Forms
✓ ⑧ Submitted 戀↑↓×	💋 HCL Dom	nino Volt		🗸 🗐 Training Requ 🚽
Next Stage: Approved	Training Request			🎦 Page 1 💿 🔕
🔳 Deny 🧃				🎦 Manager Sum 💿 🔕
Next Stage: Denied > Approved	Name	Email		 [ʰcss @ ⊗
> @ Denied				> 🗏 Course Catalog
> @ End	Manager Name	Manager Email	- 11	/ bar of outdog
	Select a course		·····	

- Select the <u>Start</u> Stage and <u>Page 1</u>.
- Set all the fields in the <u>Course Information</u> section to locked. This is done with the lock icon sector to the field. Do this for all fields in this section except <u>Is Travel Required</u> and <u>Travel Authorization Number</u>.

Stages	Ð	Request - Start » Page 1	Outline			
√ இ Start	1 (3)	Select a course				✓ Forms
Submit Next Stage: Submitted	<u></u>	Course Catalog / Sheet1 / 5 🗸				V 🗏 Request
Cancel	ŝ			۲		🎦 Page 1 💿 💩
> 🔊 Submitted		Course Title	Cost			🎦 Manager Sum 💿 💿
> 🗟 Approved		Date	Time			
> 🕘 Denied			C			> 🔄 Course Catalog
> 🕘 End		Description				
					I.	

Save, deploy and test the app

• Save and go to the Manage page.

- Change the name of the app from course catalog to 'Training Request'. You can do this inline.
- Click Deploy.

✓ Training Request		Runni
Last update: 2/10/20, 3:47 PM		
Edit Deploy 🕛 View Responses Launch	∨ Duplicate <u>Delete</u> Export Upgrade	

- Launch the <u>Request</u> form, fill it out and submit it.
- Go to <u>View Responses</u> from the Manage page to see the newly created record. It should be in the Submitted stage.
- Click on the record to open it. It should show the Manager Summary page.
- Enter something for Manager Comments and click Approve

差 HCL Domino Volt
Training Request
Your employee: Marty Lechleider
Has request to take: JavaScript Advanced
The cost: \$1,500.00
Date: 8/1/2020
Location: Boston
Travel is not required
Managers Comments
I approve of this workflow!
Approve Deny

- Go back to View Responses from the Manage page and see that the record is now in the Approved stage.
- You will need to customize the view to Show Stage since meta data is hidden by default.



ID	Stage	Created By	Created On	Last Updated By	Last Updated On
1581	Approved	Marty Lechleider	2/10/20, 4:54 PM	Marty Lechleider	2/10/20, 4:56 PM

Update the app so that it keeps track of course registration levels

- Add a <u>Section</u> to the bottom of <u>Page 1</u>, name it 'Registration Info Hidden' and drag it across both columns.
- Add the following <u>Number</u> fields from the palette to the Section 'Capacity', 'Number Registered', 'Seats Left' and 'Update Registered'.

Travel Authorization Number		
Capacity	Number Registered	
Seats Left	Update Registered	
	ð	

Add formula to calculate Seats Left and Update Registration

 Under <u>Seats Left</u> properties [®] on the Formula tab specify a Minus operation so that <u>Capacity</u> – <u>Number Registered</u> = <u>Seats Left</u>

Edit Number	Properties					
Basic	Advanced	Formula	Events			
Choose the f	unction used to		l ue of this item: one value from another			
Input 1 Capacity		-	Input 2 Number Registered	=	Result Seats Left	
						Clear

 Under <u>Update Registered</u> properties [®] on the Formula tab specify an Add operation so that <u>Number Registered</u> + 1 = <u>Update Registered</u>.

Add Number Registered field to the Course Catalog

• Select <u>Page 1</u> in the <u>Catalog</u> form.

- Add a <u>Number</u> field from the palette and place it below <u>Capacity</u>.
- Name it 'Number Registered'.

Instructor	🗸 🗐 Catalog	
Marty Lechleider Sylvia Woods	🎦 Page 1	\$©℃+×
C Ted Monson		
Mary Jones		
Picture https://www.hcitech.com		
Capacity		
Number Registered		

Update the Retrieve Service to return Capacity and Number Registered

- Go to the <u>Select a Course</u> dropdown on <u>Page 1</u> in the <u>Request</u> form.
- Open properties ^(a) and go to the <u>Events</u> tab and select <u>onltemChange</u>.
- Click Add/Edit Service Configuration.
- Select <u>3. Outputs</u>.
- Map <u>Capacity</u> and <u>Number Registered</u> from the Catalog to the corresponding fields in the new section.

Service Configuration	,
1. Service 2. Inputs 3. Outputs 4. Details	
Create Output Assignments	
Training Request / Course Catalog / Retrieve	Training Request
Select source:	Select target:
ab Result (F_Location1) "Location" 🗸 🕔	Travel Authorization Number 3
ab Result (F_Instructor1) "Instructor" 🗸 🕚	∨ 🗖 Registration Info – Hidden 🕚
ab Result (F_Picture1) "Picture" 🗸 🕚	torso # Capacity ✓ ④
# Result (F_Capcity1) "Capacity" 🗸 🛈	# Registered ✓ ①
# Result (F_Number2) "Registered" ✓ ①	# Seats Left (1)
ab Result (F_Description1) "Description" 🗸 🕚	View: Basic
Assigned Outputs	
Source	Target
Result (F_Capcity1) "Capacity"	Request Form > Section > Registration Info – $_{rac{100}{100}}$ \times Hidden > Capacity > Value
Result (F_Number2) "Registered"	Request Form > Section > Registration Info - 🔅 🗙
Result (F_Cost1) "Cost"	Request Form > Section > Cost > Value 🕸 🗙
Result (F_Time1) "Time"	Request Form > Section > Time > Value 🕸 🗙

Add a Service to Update the Number Registered in the Catalog

- Click on the <u>Settings</u> tab and select the <u>Request</u> form under <u>Services</u>.
- Click on the button to Add Service Configuration.
- Under Current Application select the <u>Catalog / Submitted / Update</u> service.

Service Catalog:	Current Application	
	C Clear	
	Include service description in the search	
(i) Current app saved.	ication and document services will not appear until the application is	Display:
		Next
Training Reques	t / Catalog / Delete	1
Training Reques	t / Catalog / Retrieve	
Training Reques	t / Catalog / Search	
Training Reques	t / Catalog / Submit (S_Submit) / Create	
Training Reques	t / Catalog / Submitted / Update (S_Update) / Update	
Training Reques	t / Request / Approved / Submit (S_Submit1) / Update	

- Under <u>2. Inputs map Select a Course</u> to <u>Retrieve by Unique Identifier</u>.
- Map <u>Update Registered</u> to Update the <u>Number Registered</u> field in the catalog. Caution: select the 'Update' function and be careful not to select the 'Search by'.

ervice Configuration	
1. Service 2. Inputs 3. Outputs 4. Details	
reate Input Assignments	
Training Request	Training Request / Course Catalog / Submitted / Update (S_Update) / Update
Select source:	Select target:
I Manager Name (1)	ab Retrieve by Unique Identifier 🗸 🕚
🖂 Manager Email 🕚	# Search by (F_Number1) "Course #"
Select a course 🗸 🕚	ab Search by (F_Title1) "Title"
✓	🖼 Search by (F_Date1) "Date" ()
Course Title	() Search by (F_Time1) "Time"
View: Basic	View: Basic
ssigned Inputs	
Source	Target
Request Form > Select a course	Retrieve by Unique Identifier 🕸 🗙
Request Form > Section > Section > Registered Update	Update (F_Number2) "Registered"

- Click OK to Save the Service Configuration
- Go to the Forms tab to go back to the design canvas
- Open the <u>Request</u> form properties ^(a).
- Select the Events tab and click on the beforeSave event.
- Click <u>Call a Service</u> and select the Update service you just created.

Text and rules to let the users know how many seats are left and if the class is full

- Add 2 Text items from the palette to the top of the Course Information section. The first one should be 'Class is full'. The second one 'Seats Left: {Seats Left} ' where you use the <u>Insert Item</u> dropdown to complete it so that it shows the value of <u>Seats Left</u>.
- Make Class is full red and Seats Left blue.

Class is full	☯佔☓	
Seats Left: {Seats Left}		
Course Title		Cost

• Add a rule to the text 'Class is Full' so that it shows when Course Title has a value and Seats Left equal 0.

Rules		
Show rules related to: ① F_Text2	Rule Name: Rule 2	
• Rule 2 ×	F_Text2 Show > When the following condition is true: ①	+×⊘
	Course Title	+×⊘
	And Seats Left Equals A fixed value 0	+×⊘

• Add a rule to the text 'Seats Left: {Seats Left}' so that it shows when Seats Left is greater than 0.

Hide the Registration Info – Hidden section

On the <u>Stages</u> tab with the <u>Start</u> stage selected – click on the eye icon
 for the <u>Registration Info – Hidden</u> section so that it has a slash through it.

Capacity	Registered
Seats Left	Registered Update

• Note: It's often useful to save hiding things until last for debug purposes.

Save, Deploy and test the app

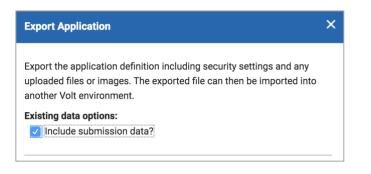
- Click <u>Save</u> and then from the <u>Manage</u> page click <u>Deploy</u>.
- Launch the <u>Request</u> form and submit it number of times for the same course.
- You should see the number of Seats declining and when it reaches 0 should display Class is Full.

vaScript Basics	
Seats Left: 21	
Course Title	Cost
JavaScript Basics	\$2,000.00
Date	Time
7/14/2020	9:00 AM
•	ipt is the programming language of HTML and the Web.
This course will teach you JavaScrip will be able to create a web applicat	ipt is the programming language of HTML and the Web. ot basic concepts and commands. When completed you ion that include JavaScript.
JavaScript is easy to learn. JavaScr This course will teach you JavaScri	pt basic concepts and commands. When completed you
JavaScript is easy to learn. JavaScr This course will teach you JavaScri will be able to create a web applicat	pt basic concepts and commands. When completed you

w Hire Orientation 🗸	
Class is full	
Course Title	Cost
New Hire Orientation	\$3,000.00
Date	Time
5/23/2020	8:30 AM
	to welcome new employees and help answer many of
The goal of New Hire Orientation is the questions employees have whe important policies and procedures	to welcome new employees and help answer many of in starting a new job. Employees will learn about as well as gain important information regarding the entation will also provide tools that employees can use to
The goal of New Hire Orientation is the questions employees have whe important policies and procedures	n starting a new job. Employees will learn about as well as gain important information regarding the
The goal of New Hire Orientation is the questions employees have whe important policies and procedures benefits offered at Greenwell. Orie	n starting a new job. Employees will learn about as well as gain important information regarding the
The goal of New Hire Orientation is the questions employees have whe important policies and procedures benefits offered at Greenwell. Orie	n starting a new job. Employees will learn about as well as gain important information regarding the

Use a Table for Course Selection

- From the <u>Manage</u> page select <u>Export</u> on the <u>Training Request</u> application you created.
- Export with data option Include submission data selected.



• Import the application with data and give it a new name – 'Training Request with Table'.



• Edit the new application.

- Delete the <u>Select a Course</u> dropdown. It will warn you that the dropdown is connected to a service but proceed anyway to delete it.
- Add a <u>Table</u> from the palette to the page in the same place. Name the Table 'Select a Course'.
- Add 4 fields to the Table <u>Single Line Entry</u> named 'Course', <u>Single Line Entry</u> named 'Location', <u>Date</u> and <u>Single Line Entry</u> named 'Unique ID'
- Switch back to <u>Page1</u>
- Under Table properties [®] on the <u>Advanced</u> tab set the column widths to 12 for <u>Course</u>, 8 for <u>Location</u> and 8 for <u>Date</u>. Do not display <u>Unique ID</u> by removing it from the <u>Options</u> list (click on ×)
- Also, under Table properties [®] on the <u>Advanced</u> tab set the <u>Table Style</u> to <u>No Buttons</u> and set the <u>Number of rows displayed</u> to 3 rows.
- Drag the Table across columns so it takes up the width of the page.

Select a Course			\$¢
Add hint			
able			
Course	Location	Date	
value	value	value	
value	value	value	

Populate the Table with a Service

- Under the <u>Settings</u> tab <u>click on Services / Request</u> and find the <u>Catalog / Search</u> service and edit its properties. This is the service that was set up for the dropdown in the first app.
- Click on <u>3. Output</u> and map the following fields to fields in the table: <u>Record Unique</u> <u>Identifier</u> to <u>Unique ID</u>, <u>Title</u> to <u>Course</u>, <u>Date</u> to <u>Date</u> and <u>Location</u> to <u>Location</u>.

ervice Configuration		
1. Service 2. Inputs 3. Outputs 4. Details		
reate Output Assignments		
Training Request / Catalog / Search	Request	
Select source:	Select target:	
Searched Records (1)	∽⊞ Select a Course 🕔	
ab Record Unique Identifier 🗸 🛈	I Course 🗸 🕔	
ab Line ID ()	I Location 🗸 🛈	
ab Stage ID 🕚	🖼 Date 🗸 🕚	
🖞 Last Updated 🕚	🗓 Unique ID 🗸 🕚	
ah Undater ID ()	View: Basic	
ssigned Outputs		
Source	Target	
Searched Records > Result (F_Date1) "Date"	Page 1 > Select a Course > Date	\$\$ ×
Searched Records > Result (F_Title1) "Title"	Page 1 > Select a Course > Course	愈 ×
Searched Records > Result (F_Location1) "Location"	Page 1 > Select a Course > Location	ŵ ×
Searched Records > Record Unique Identifier	Page 1 > Select a Course > Unique ID	\$ X

- Go to the Forms tab and edit the Table properties ^(a).
- On the Events tab click on the onShow event.
- Click on <u>Call a Service</u> and select the <u>Catalog / Search</u> service.
- Preview the form to see if the Table is populating.
- Note that you can click to column headings to sort. This provides the user with more information to decide which course to register for. For example select a course for a specific city or when a specific course is offered.

lanager Name		Manager Email	
Select a Course			
Course	Location	^ Date	
JavaScript Advanced	Boston	8/1/2020	1
Leadership	Boston	5/12/2020	
New Hire Orientation	Boston	5/23/2020	
Course Title		Cost	
Course Title		Cost	

Retrieving the selected course from the Table selection

- Add a <u>Single Line Entry</u> field to the <u>Registration Info Hidden</u> section. Name it 'Unique ID'.
- Edit the properties ^(a) for <u>Unique ID</u>. On the <u>Advanced</u> tab set the <u>ID</u> to 'F_UID'.
- Go to the Table properties ^(a) on the <u>Events</u> tab select <u>onClick</u>.
- Enter the following JavaScript:

var selected = item.getSelection(); if(selected === null) return;

BO.F_UID.setValue(selected..getValue());

- Put your cursor in between the two periods on the last line of JavaScript (after selected. and before .getValue()). Press Shift-Space and navigate to the <u>Unique ID</u> field in the Table and select it. This will pop its ID into the line of JavaScript where your cursor is.
- Note: this JavaScript gets the Unique ID for the Table selection and passes its value to the <u>Unique ID</u> field in the <u>Registration Info Hidden</u> section.
- Edit the properties of the <u>Unique ID</u> field in the <u>Registration Info Hidden</u> section.
- From the <u>Events</u> tab select the <u>onltemChange</u> event.
- Click <u>Call a Service</u> and choose the <u>Catalog / Retrieve</u> service.
- Click on Add/Edit Service Configuration.
- Under <u>2. Inputs</u> map the <u>Unique ID</u> field to the <u>Retrieve by Unique Identifier</u> in the catalog.
- Click <u>OK</u> and then Preview to test the app.

Save and Preview the App

- Click on <u>Save</u>.
- From the <u>Manage</u> page click on <u>Deploy</u>.
- Launch the Training Request with Table form to test it.

Course	Location	^	Date	
JavaScript Advanced	Boston		8/1/2020	
_eadership	Boston		5/12/2020	
New Hire Orientation	Boston		5/23/2020	
9 seats left out of 15				
Course Title			Cost	
JavaScript Advanced			\$1,50	0.00
Date			Time	
8/1/2020			9:00	AM L
Description				
				ass. The course will focus on integrate with different REST
Instructor				a
Marty Lechleider				
Location			Trave	el Required