

Using Flow Policy to Evaluate UI Changes

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1 Objective

One of the features of DaVinci is that you can leverage the policy flow in an application to perform some A/B testing on different approaches to user interactions. You can do this with weighted flows or by designating specific IPs to test specific flows. This can provide valuable insight into the best experience for your users to get the most out of the application. For example what flows lead to the best outcome during registration.

In this exercise you are going to define a flow that deals with age first during registration instead of name first. Potentially asking for name information first and then rejecting them at the next stage because they are not old enough, could lead to negative feedback. So maybe a better approach would be get the age question out of the way as quickly as possible.

Tip

All the number instruction steps in each section must be followed to successfully complete this exercise. Any bullet points or images are for example only unless called out in a numbered step.

Tip

You will be using Glitch for editing the code and testing with the your flow changes. Before you start a lab or need to access Glitch, ensure that you are logged into your Glitch account and accessing the current project.

2 Do the following task items

The first step in this exercise is to define a new flow that presents the age request as the first question. This is a relatively simple change by moving the name page and error handling earlier in the flow. You will need to move some nodes around and make some space, but everything you need is already in place.

Once this is out of the way you then need to build out a flow policy in the application to test your two flows.

Finally closing things out by changing the web application to invoke the new policy. This entire change in user experience leads to minimal changes in your application. You could even remove the application change by using the same policy, but you want the flexibility to revert back to the original policy.

2.1 Create a new age first registration flow

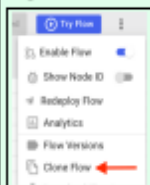
The existing registration flow contains all the functionality you need. The order of interaction with the user is what needs to be changed. You will make these changes in your flow by moving things around a bit. You will not deal with any UI changes to keep the focus on the flow changes.


1 In DaVinci in the **Flows** section.

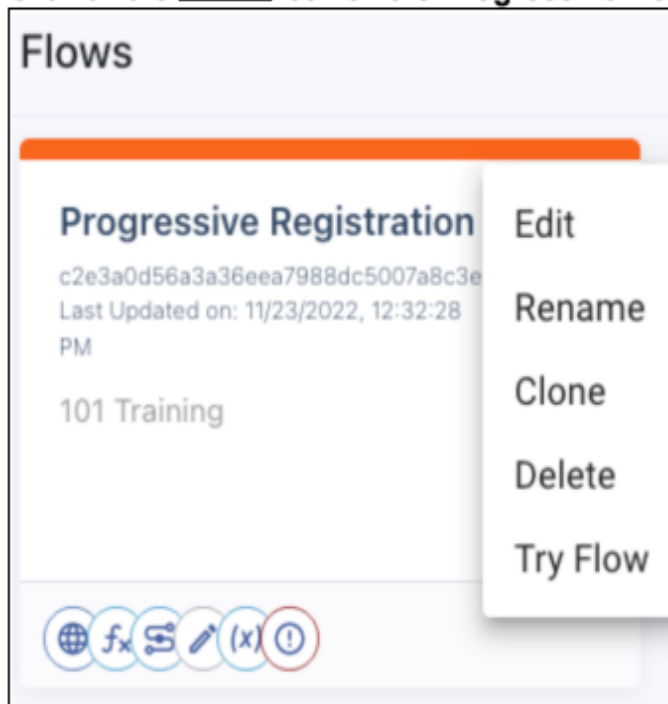
Tip

In order to get to see the ... icon (referenced in following step) in the flow you may need to scroll to the right in the flow itself. You can hover over it with your mouse and use the mouse to scroll right.

Alternatively you can go into the flow and use the *Clone Flow* option from the main menu in the flow.



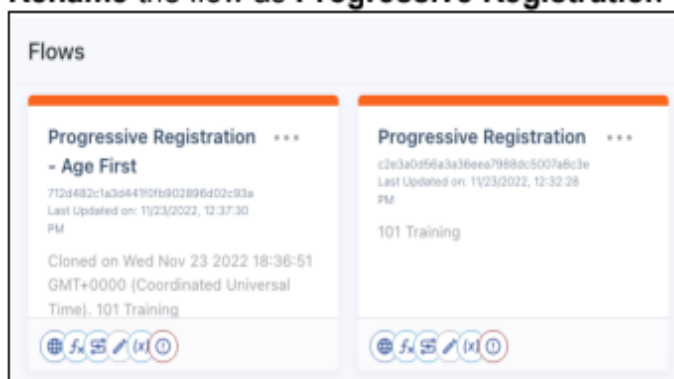
- 2 Click on the  icon on the **Progressive Registration** flow.



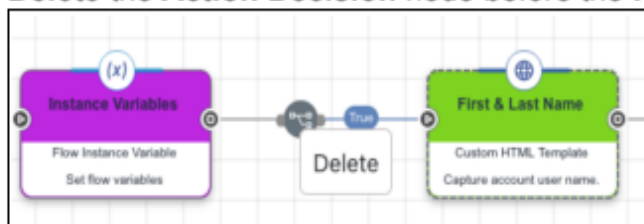
- 3 Click **Clone** menu item to make a copy of your flow.
- The cloned (copy) of the flow will be added to the left (first flow) with a stamp at the start of the name. Something like *[cloned] 1703196265822 - Progressive Registration*

- 4 Click on the  icon on the **cloned** flow

- 5 **Rename** the flow as **Progressive Registration - Age First**

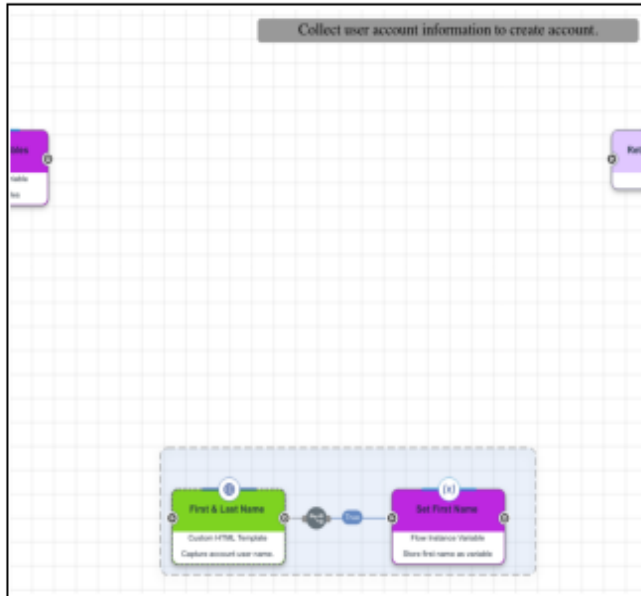


- 6 Click on the **Progressive Registration - Age First** flow to edit it.
- 7 You need to move the nodes **First & Last Name** and **Set First Name** later in your flow, start by:
- 7.1 **Delete** the **Action Decision** node before the **First & Last Name**



- 7.2 **Delete** the **Action Decision** node after the **Set First Name**

- 7.3 Select the **First & Last Name** and **Set First Name** and move them down a bit in the canvas.



- 8 Continue with the next section.

2.1.1 Move nodes to the left to make space for insertion

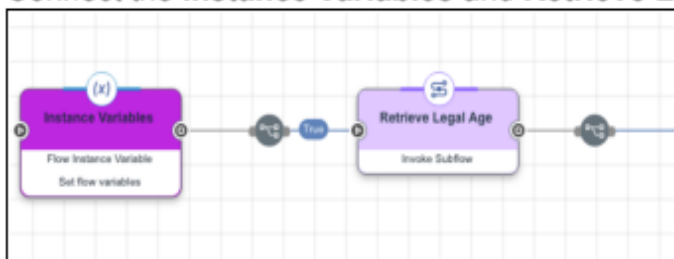
You now want to move the nodes to the left in the flow until you get to the Age Verification node where you will be inserting the two nodes you just moved aside.

The basic steps will be outlined to move the node and you will just repeat it until you have moved it all over. You can move one at a time or simply grab them all whatever you find easier. The author of this lab found it easier to move one at a time to keep them aligned.

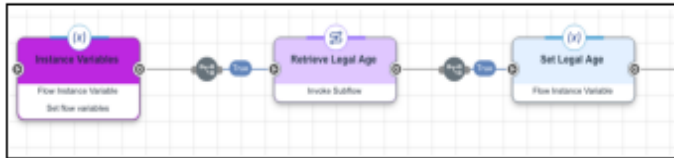
- 1 Select on the **Retrieve Legal Age** node but do not open to edit it, just drag it to the left closer to the **Instance Variables** node.



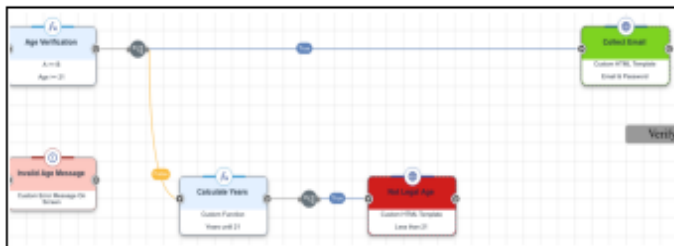
- 2 Select the **Action Decision** after **Retrieve Legal Age** and drag it closer to **Retrieve Legal Age**.
- 3 Connect the **Instance Variables** and **Retrieve Legal Age**



- 4 Select on the **Set Legal Age** node but do not open to edit it, just drag it to the left closer to the **Action Decision** node to the left.



- 5 Continue dragging over the nodes until you have moved over **Age Verification** and left a gap between it and **Collect Email** node.
 - Don't forget to drag over the nodes on the second line (the false paths) so that they stay aligned with the nodes on the first line.



- 6 **Delete** the **true** line before **Collect Email** node.
 - This is where you want to insert the two nodes you moved aside earlier.



- 7 Continue with the next section.

2.1.2 Complete by adding the name nodes into the flow

Now it is time to wrap up your edits to the flow by taking the two nodes you moved aside and placing them where they belong in the new flow experience you want to implement.

- 1 Select the two nodes **First & Last Name** and **Set First Name**, so you can move them together.



- To move these two nodes around it may be easier to resize the total flow diagram so it is smaller and you can see the entire area where you want to place the nodes.

- 2 **Drag** the two nodes over and place in the gap where you deleted the **true** line.

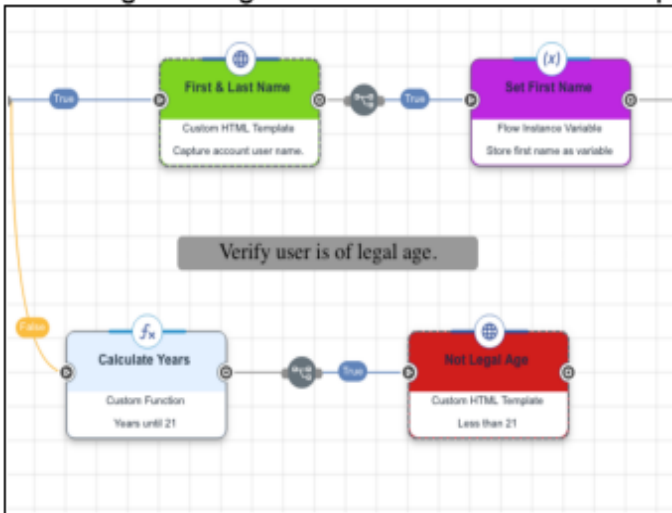


- 3 Connect the **First & Last Name** to the **Action Decision** to its left.

- 4 Connect the **Set First Name** node to the **Collect Email** node.



- 5 Don't forget to align the annotations to the new positions along with their nodes.



- 6 Click **Save** and **Deploy** buttons.

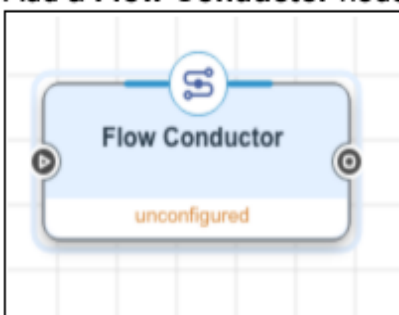
- 7 **Close** the flow by selecting the **Flows** left menu item.

- 8 Continue with the next section.

2.2 Create a test flow to test the new age flow

Because your registration flow requires a parameter be passed into it; you cannot simply just try the flow. In this exercise you will create a simple wrapper that can be used to test your new registration flow by invoking it as a subflow passing in the country value.

- 1 Click **Add Flow** button to create a new flow called **Age First Flow**
- 2 Click **+** button in bottom half of canvas.
- 3 Add a **Flow Conductor** node to the canvas.



- 4 Edit the **Flow Conductor** node as follows:

- 4.1 Click **Invoke UI Subflow** capability.

- This flow will invoke the the registration flow, which has user interaction, therefore why you need to select UI.

4.2 Select **Progressive Registration - Age First** as the **Flow Id** from the dropdown list.

4.3 Type **-1** as the **Flow Version Id** value.

4.4 Type **US** as the **countryCode** value.

Invoke UI Subflow

GENERAL SETTINGS >

* indicates required

Flow Id

Progressive Registration - Age First-1 x v

Flow Version Id ⓘ

-1

countryCode (string) *

US

5 Apply and close the dialog to save the configuration.

6 Deploy and try your flow.

7 In the browser tab you should see the age request page.

Beginner's Luck Online Gaming

Verify Age

Hi!

To ensure you're of legal age to wager online, please enter your age

Age

Next

◦ No style is applied because the CSS is not enabled.

8 Test your flow all the way through the various pages to verify that everything, including error handling is working as expected.

9 Continue with the next section.

2.3 Create a new flow policy in your DaVinci application

You could change the existing flow policy to execute the new flow along with the existing one; in doing this no changes would be required to your application. But we are going to create a new policy instead and leave the existing policy in place as is. Either approach is valid and which you take may depend more on final goals and plans for the application. The advantage with changing the existing flow is that this would require no changes to your application.

1 In the left menu click **Applications** to edit your existing application.

2 Click **Beginners Luck App** to edit the application.

3 Click **Flow Policy** tab.

- 4 Click **Add Flow Policy** button.
- 5 For the **Name** enter:
 - **Weighted Policy**
- 6 Click **Progressive Registration - Age First** flow.
 - 6.1 Select the **Latest Version** checkbox.
- 7 Click **Progressive Registration** flow.
 - 7.1 Select the **Latest Version** checkbox.

Company ID: 430494bc-5689-4c3b-a977-e3f3dbd39447

Name

Weighted Policy

☒ All Flow Policies ☐ PingOne Flow Policy

A PingOne Flow Policy can only contain PingOne Flows. The created.

Flows Added

Progressive Registration - Age First Latest Version

Progressive Registration Latest Version

- 8 Click **Create Flow Policy** button.
- 9 In the **Edit Your Weight Distribution** dialog enter **50** percent for each flow.

Edit Your Weight Distribution X

Your weight distribution with variations

FLOW NAMES AND VERSION	DISTRIBUTION
Progressive Registration - Age First Latest Version	50 % + Add IP whitelist
Progressive Registration Latest Version	50 % + Add IP whitelist

Analytics - Select Success Nodes

Select...

Analytics - Select Success Nodes

Select...

100 %

[Save Flow Policy](#)

- 10 Click **Save Flow Policy** button.
- 11 Copy the **Policy ID** for the policy you just created.
 - Save this away in a temporary editor until later for modifying your application.
- 12 Continue with the next section.