Consent Information

Table of Contents

Scenario

At this point of the course, your application should have the Registration Screen with a Form and several input fields in it, such as the patient's name, birth date, password and social security number.

In this tutorial, you will add some new sections to the Form with some important features for the registration process.

The first one is the information regarding the terms and conditions and consent to use the patient's personal information, that the user needs to accept when registering.

Registration

First Name *

Last Name *

Birth Date *
mm/dd/yyyy

Mobile Phone

Email

Password

Social Security Number *

Insurance Member *

Consent to treat

I hereby voluntarily consent to all healthcare services ordered/provided by MyHealthCompany providers at the MyHealthCompany service locations.
The health care service may include, without limitation, routine physical and mental assessment; diagnostic and monitoring tests and procedures; examinations and medical and/or dental treatment; routine laboratory procedures and tests; x-rays and other imaging studies; administration of medications; and procedures and treatments prescribed by the center's healthcare providers. The health care services also may include counseling necessary to receive appropriate services including family planning (as defined by laws and regulations).

I consent to examinations, treatments, procedures, and blood tests ordered by the healthcare provider, which may include blood tests for diseases such as hepatitis and HIV AIDS. I understand that I will be asked to sign a separate informed consent for each vaccine to be administered and that I will receive a "Vaccine Information Statement"(VIS) prior to the administration of each vaccine. I understand that there is a separate consent form that I may be asked to sign for testing for infectious conditions.

I understand that if this consent is being signed on behalf of a minor, I may be required to sign a separate paternal consent form in order for the minor to receive family planning services. I understand that if this consent is being signed on behalf of a minor, this consent is valid until the minor turns 18, at which time the minor must consent for services on his/her own behalf.
I understand that there are certain hazards and risks connected with all forms of treatment, and my consent is given knowing this.

I understand that this consent is valid and remains in effect until I withdraw my consent, which may be done in writing at any time or until the center changes its services and ask me to complete a new consent form.

Consent to bill insurance and collect payment

☐ I agree to the   Terms & Conditions (T&C)

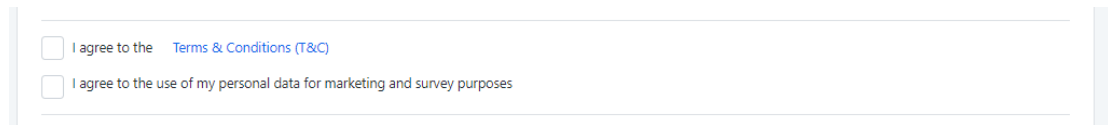☐ I agree to the use of my personal data for marketing and survey purposes

Clear

You will leverage two types of elements to create that:

- Accordion: Allows users to expand and hide content when clicked.

  Consent to treat

  Consent to bill insurance and collect payment

- Checkbox: Users must click on the checkboxes to confirm they agree with the terms.

This section also contains a Signature area where users should write their signature before proceeding with the registration. You won't need to build this from scratch because OutSystems allows reusing components and even provides a repository for that: the Forge.

At the end of this tutorial, you will have all the UI for the Screen done, but not the logic. That will be handled on the next one.

How-To

Let's expand the Registration Form step-by-step!

Adding the Consent Information to the Form

We all know that the texts about consent are kind of long. So, you will use an Accordion to make sure the text can be collapsed when not needed, to avoid overloading the Screen.
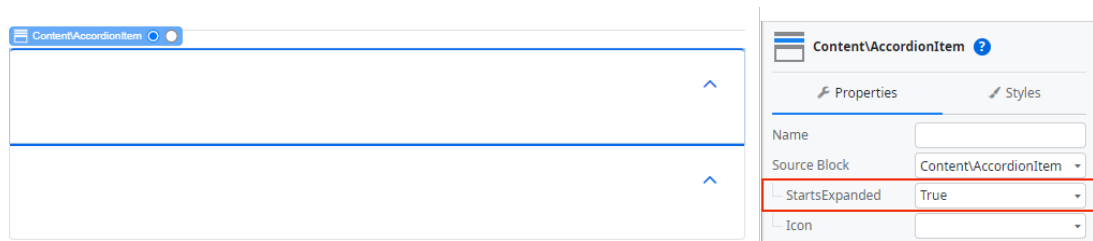
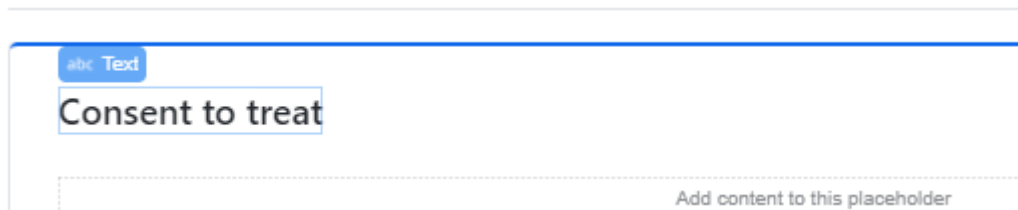1) Drag a **Separator** from the left sidebar after the Columns 2 element created in the previous tutorial.
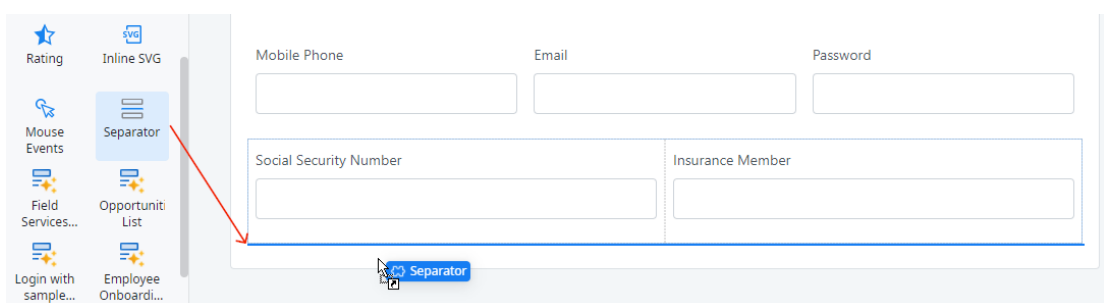
2) Drag and drop an **Accordion** after the Separator.
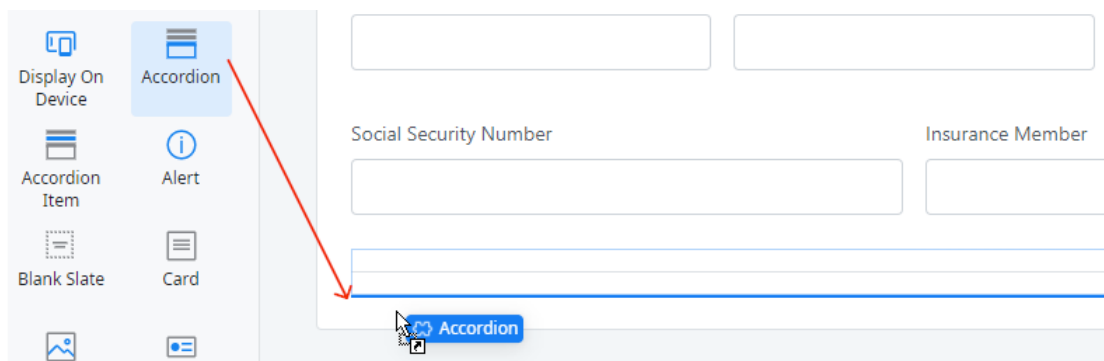
3) Click on the first **Accordion Item** inside the Accordion, then go to its properties on the right sidebar. Set the **StartsExpanded** property to **True**.

4) Type *Consent to treat* in the Title section of the Accordion Item.

5) Copy the text below and paste it to the content of the Accordion Item.

```
I hereby voluntarily consent to all healthcare services
ordered/provided by MyHealthCompany providers at the
MyHealthCompany service locations.

The health care service may include, without limitation, routine
physical and mental assessment; diagnostic and monitoring tests
and procedures; examinations and medical and/or dental treatment;
routine laboratory procedures and tests; x-rays and other imaging
studies; administration of medications; and procedures and
treatments prescribed by the center's healthcare providers. The
health care services also may include counseling necessary to
receive appropriate services including family planning (as
defined by laws and regulations).

I consent to examinations, treatments, procedures, and blood
tests ordered by the healthcare provider, which may include blood
tests for diseases such as hepatitis and HIV AIDS.
I understand that I will be asked to sign a separate informed
consent for each vaccine to be administered and that I will
receive a "Vaccine Information Statement"(VIS) prior to the
administration of each vaccine. I understand that there is a
separate consent form that I may be asked to sign for testing for
infectious conditions.

I understand that if this consent is being signed on behalf of a
minor, I may be required to sign a separate paternal consent form
in order for the minor to receive family planning services. I
understand that if this consent is being signed on behalf of a
minor, this consent is valid until the minor turns 18, at which
time the minor must consent for services on his/her own behalf.
I understand that there are certain hazards and risks connected
with all forms of treatment, and my consent is given knowing
this.

I understand that this consent is valid and remains in effect
until I withdraw my consent, which may be done in writing at any
time or until the center changes its services and ask me to
complete a new consent form.
```

Consent to treat ∧

abc Text

I hereby voluntarily consent to all healthcare services ordered/provided by MyHealthCompany providers at the MyHealthCompany service locations.
The health care service may include, without limitation, routine physical and mental assessment; diagnostic and monitoring tests and procedures; examinations and medical and/or dental treatment; routine laboratory procedures and tests; x-rays and other imaging studies; administration of medications; and procedures and treatments prescribed by the center's healthcare providers. The health care services also may include counseling necessary to receive appropriate services including family planning (as defined by laws and regulations).

I consent to examinations, treatments, procedures, and blood tests ordered by the healthcare provider, which may include blood tests for diseases such as hepatitis and HIV AIDS.
I understand that I will be asked to sign a separate informed consent for each vaccine to be administered and that I will receive a "Vaccine Information Statement"(VIS) prior to the administration of each vaccine. I understand that there is a separate consent form that I may be asked to sign for testing for infectious conditions.

I understand that if this consent is being signed on behalf of a minor, I may be required to sign a separate paternal consent form in order for the minor to receive family planning services. I understand that if this consent is being signed on behalf of a minor, this consent is valid until the minor turns 18, at which time the minor must consent for services on his/her own behalf.
I understand that there are certain hazards and risks connected with all forms of treatment, and my consent is given knowing this.

I understand that this consent is valid and remains in effect until I withdraw my consent, which may be done in writing at any time or until the center changes its services and ask me to complete a new consent form.

6) Click on the second Accordion Item and type *Consent to bill insurance and collect payment* in the title.

I understand that this consent is valid and remains in effect until I withdraw my consent, which may be done in writing at any time or until the center changes its services and ask me to complete a new consent form.

abc Text

Consent to bill insurance and collect payment ∧

∧

7) Copy the text below and paste it to the content of the second Accordion Item.

I understand and agree that health, dental or behavioral health
insurance coverage is an agreement between the insurance carrier
and myself.

I understand that MyHealthCompany will prepare any necessary
reports and forms to assist me in making collections from the
insurance company and that any amounts authorized will be paid
directly to MyHealthCompany. However, I clearly understand and
agree that all services provided to me are charged directly to me
and that I am personally responsible for payment. I authorized
MyHealthCompany to furnish information to insurance carriers
concerning my illness and treatments.

I acknowledge my responsibility to pay for that care according to
the fees established.
In the event that the patient is a minor, I am the parent and/ or
guardian of said patient and I agree that I am responsible for
all services provided to the patient herein.

8) Right-click on the last Accordion Item and select **Delete** to erase it.

Note: By default, the Accordion element contains 3 Accordion Items. You can add or delete Accordion Items as needed.

Checkboxes

Let's now create the checkboxes so users can confirm they agree with the terms presented in the Accordion.

Terms and Conditions

1) Drag another **Separator** from the left sidebar and drop it under the last Accordion Item.
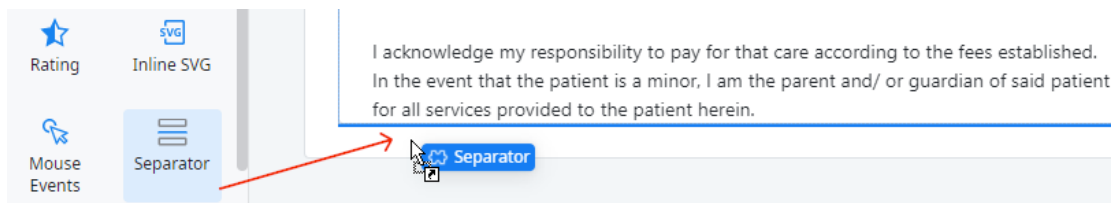
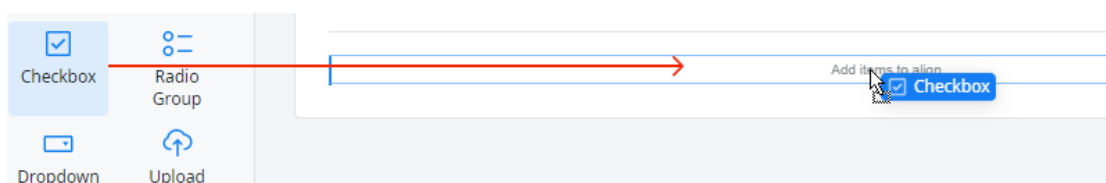2) Drag and drop a **Container** under the new Separator.
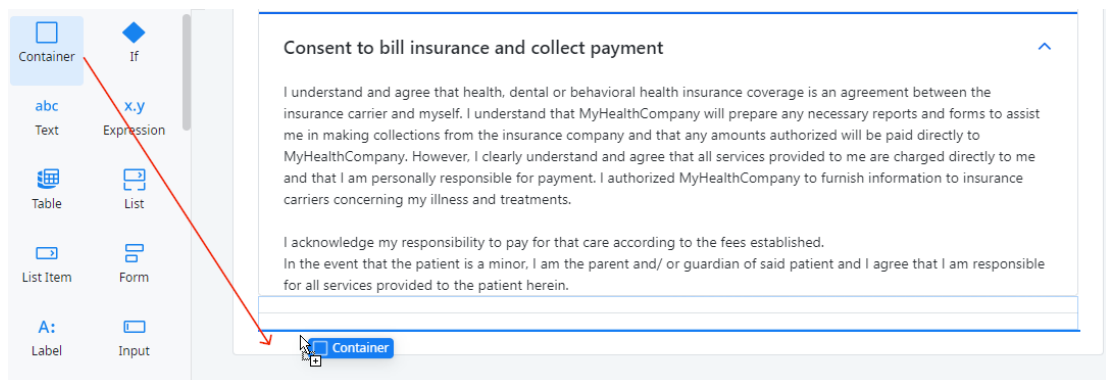
3) Search for the **Align Center** element in the left sidebar. Drag and drop it inside the Container.
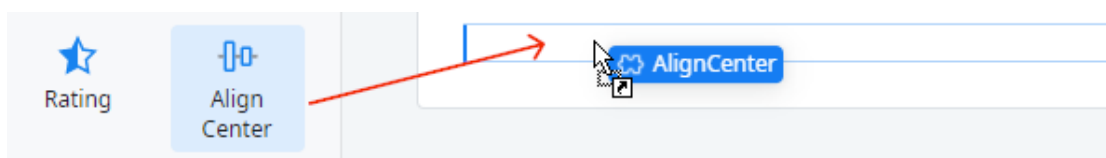

This element allows aligning a piece of content to the center automatically.

4) Drag and drop a **Checkbox** element inside the Align Center.

5) Set the **Variable** property to
PatientOnboarding.AgreedToTermsAndConditions to the user's choice in the
Local Variable that has all the patient onboarding information.
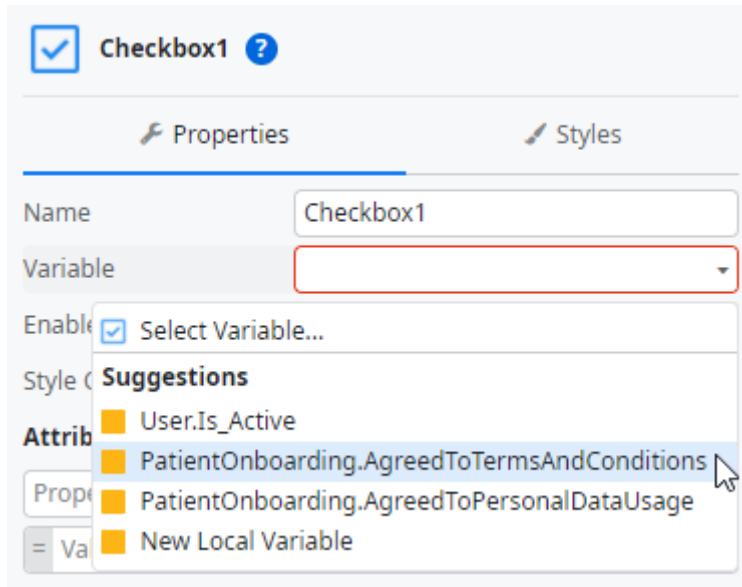
6) Set the Checkbox's **Name** to *Checkbox_TermsConditions* and the **Style Classes** to
`"checkbox margin-right-s"`.
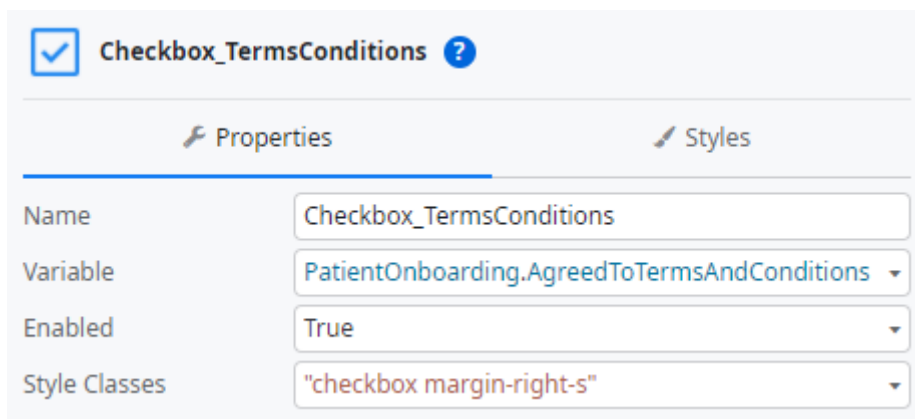
This style will create a small spacing between the checkbox and what will be
added next to it.

7) Click on the empty space on the right side of the Checkbox and type *I agree to
the*.
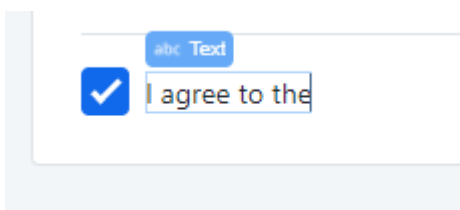
8) Drag a **Link** from the left sidebar and drop it next to the text.

9) Click on the Link and type *Terms & Conditions (T&C)*.
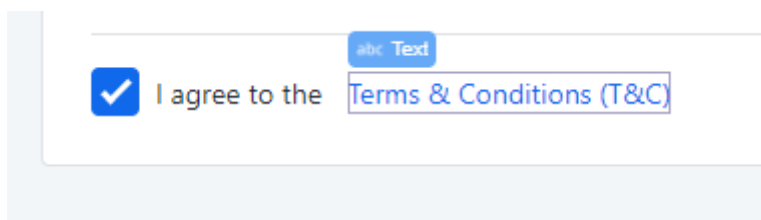
The link will still have an error because you haven't defined what happens when it is clicked yet. So let's do that!

10) Select the Link to see its properties, click on the **On Click** dropdown and select **New Client Action**.
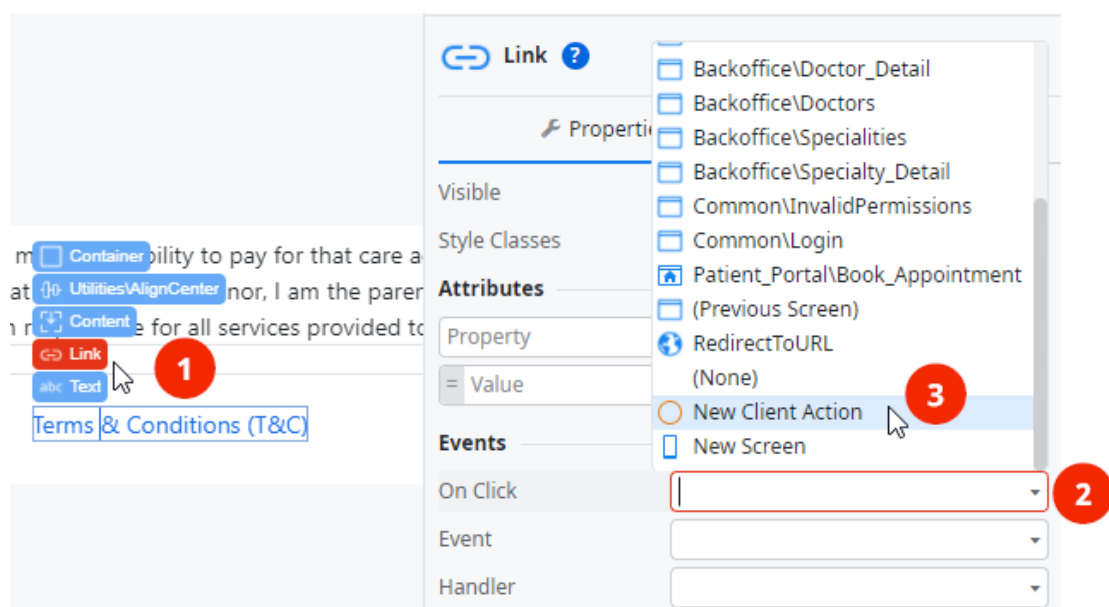
11) Name the new Client Action *OnClick_TermsConditions*.
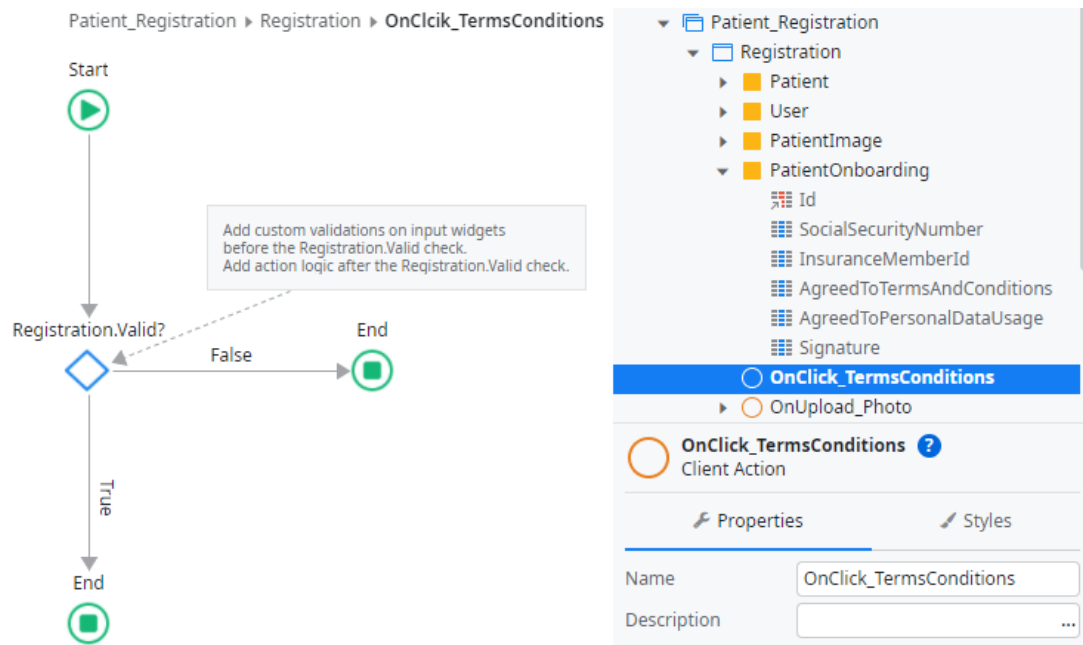
Let's leave this empty. Ideally, you would navigate to a page with all the information about the terms and conditions, but we will skip that functionality in this app. But, feel free to add it later if you want to.

Personal Data Usage

Now it's time to work on the agreement to use personal data.

1) Go back to the **Registration** Screen by double-clicking on it in the right sidebar.
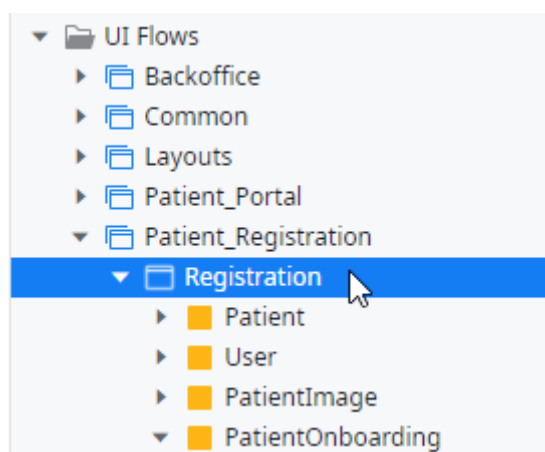
2) Drag and drop another **Container** under the previous one.
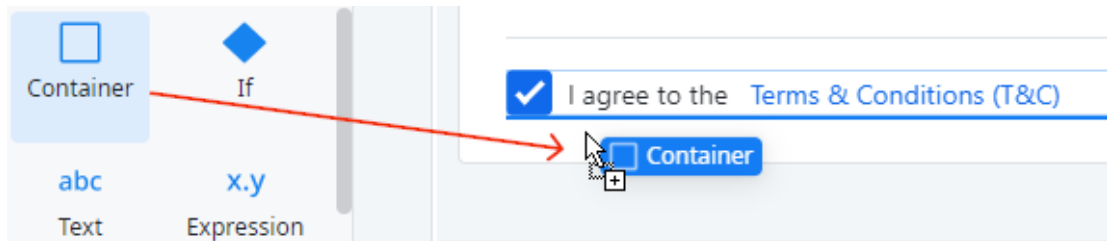
3) Go to the Container's properties and set the **Style Classes** to `"margin-top-s"`.
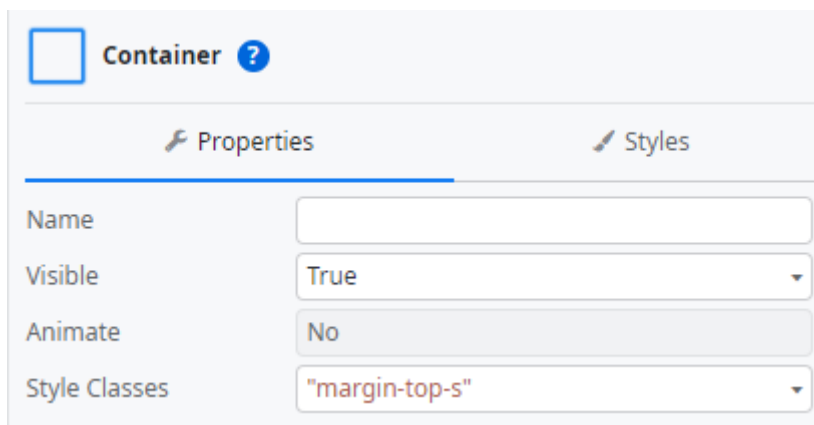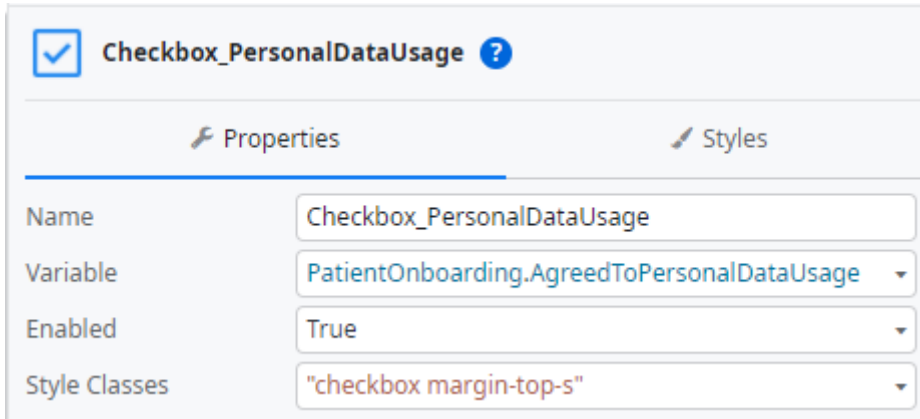
4) Drag and drop an **Align Center** inside the Container, just like you did for the terms & conditions.
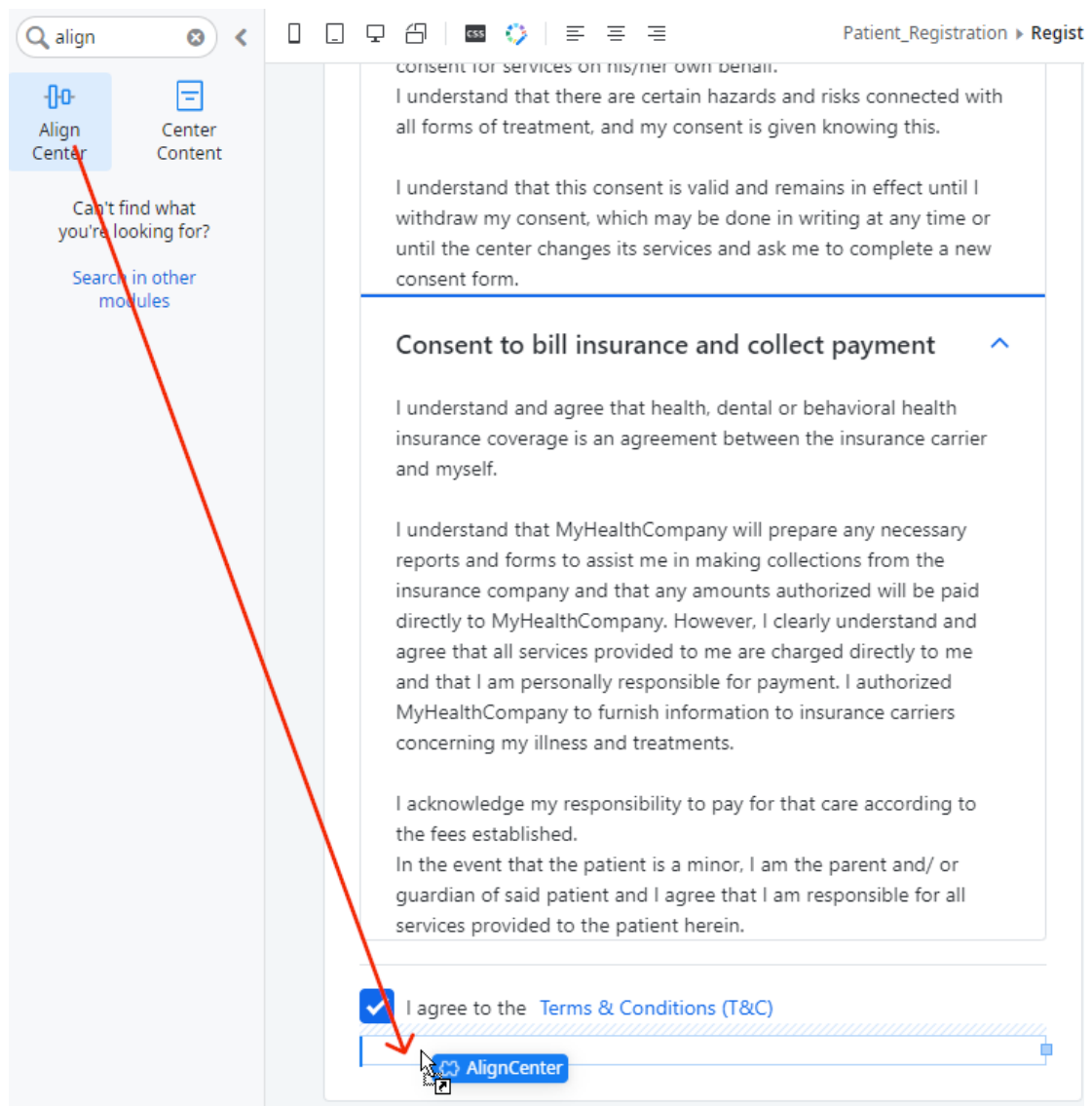
5) Drag and drop a **Checkbox** inside the Align Center.
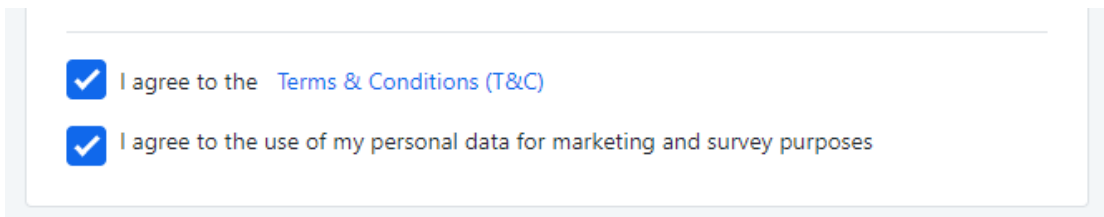
6) Rename the Checkbox as *Checkbox_PersonalDataUsage*, set the **Variable** property to the variable **PatientOnborading.AgreedToPersonalDataUsage** and the **Style Classes** property to `"checkbox margin-right-s"`.

7) Type *I agree to the use of my personal data for marketing and survey purposes.* right after the Checkbox.

And you're done with the agreement checkboxes. Let's finish the UI with a signature.

Signature

The new user should be able to digitally sign the form. Let's use a Forge component to help us. The OutSystems Forge is a repository of reusable, open code modules, connectors, UI components, and business solutions to help speed up the app delivery time. Reusability is key!
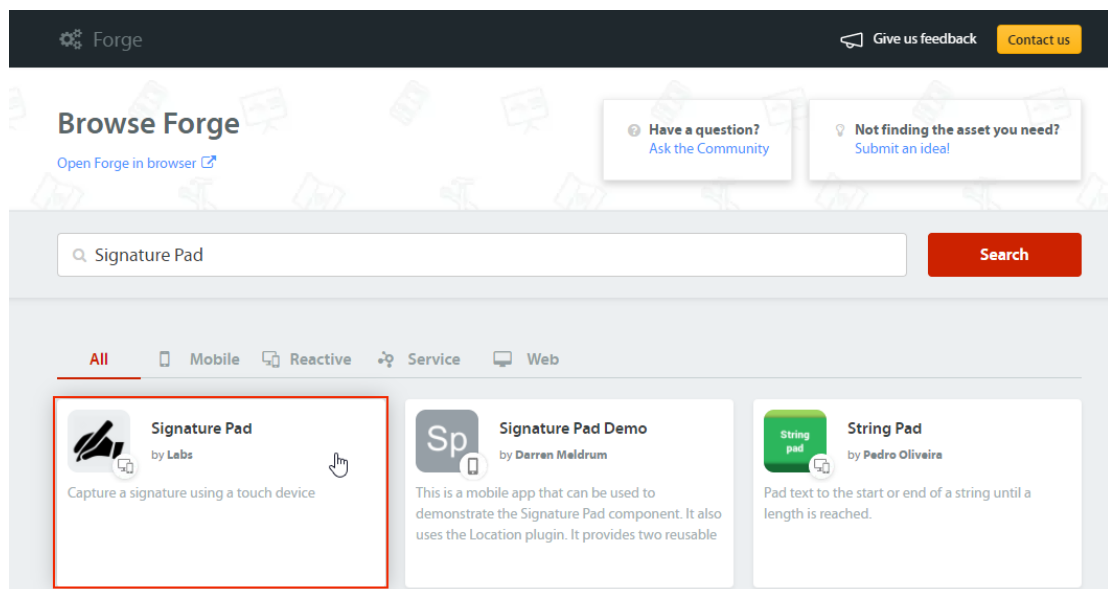
Forge Component

1) Drag and drop another **Separator** under the last Container.

2) Click on the **Forge** tab in the top left corner of Service Studio.
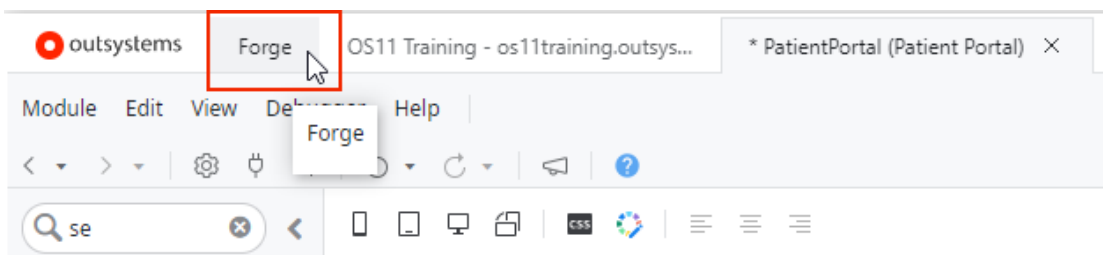
3) Search for the **Signature Pad** component and then click on it.

4) Click on **Install** to download the component to your environment.

Note: you can create your own Forge components and share them with the community! OutSystems has an amazing Community of developers that are constantly sharing ideas, components and apps, and supporting each other!

After installing the Signature Pad, you need to reference it in your Patient Portal.

5) Go back to the **Patient Portal** module by clicking on the respective tab.
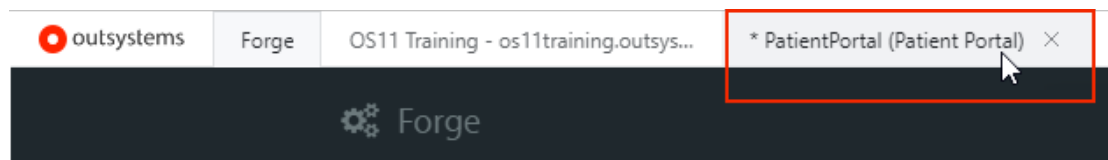
6) Open the **Manage Dependencies** window by clicking on the Icon shown in the picture below.
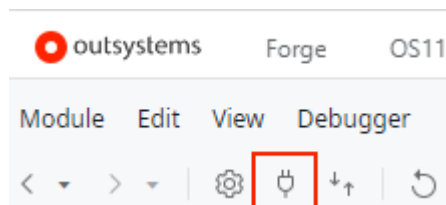
7) A popup dialog will appear. Click on **All** to see all elements available to be referenced by the Patient Portal module. Search for the module **SignaturePad** and click on the result to select it. Then, on the right side of the dialog, select

the **SignaturePad** element and click on **Apply** to close the window and create the reference to the element.
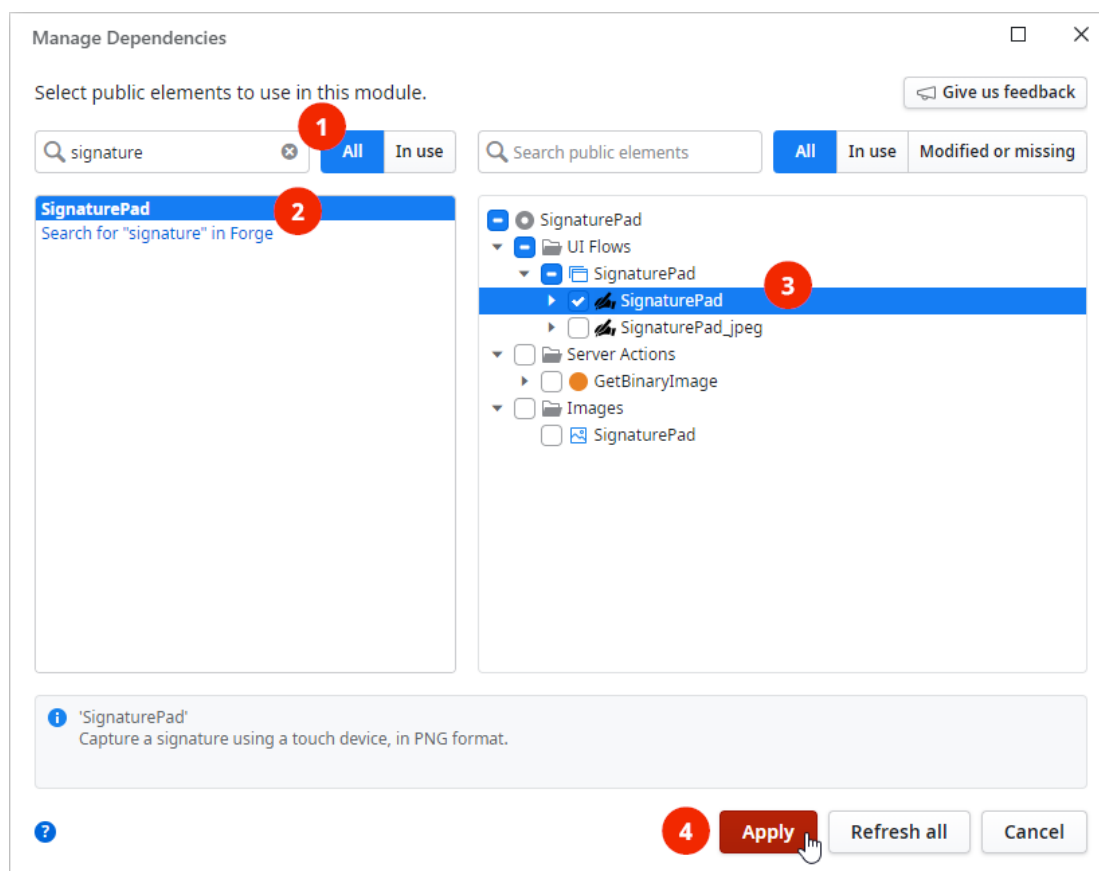
This is what you need to do when you want to reference elements from other apps. Just search for the right module, select it, find the element you want, select it as well, and click Apply.

8) In the right sidebar of Service Studio, under the Interface tab, expand the **SignaturePad** folder. Then, drag the **SignaturePad** Block and drop it under the last Separator.
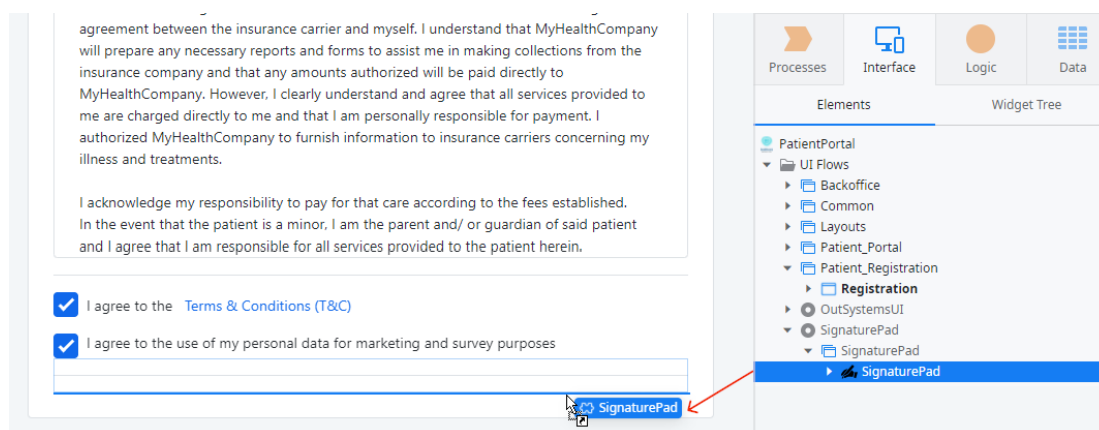
9) You can now see the properties of the SignaturePad on the right sidebar. Set the **Height** to *100* and the **ShowDone** property to **False**.

There is still an error in the **Handler** property of the StrokeFinished Event in the Events section of the property. You need to define what is the desired behavior when the user stops signing.
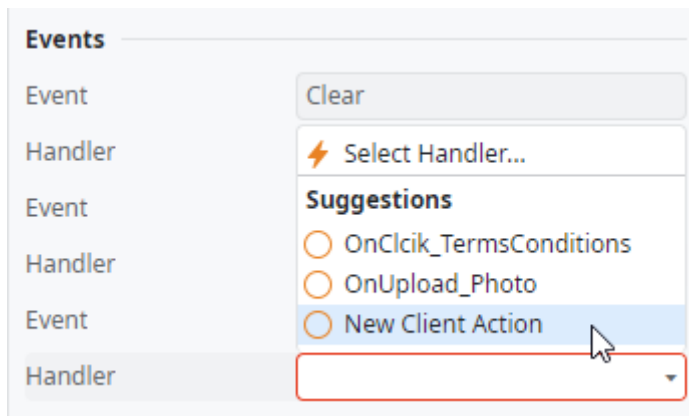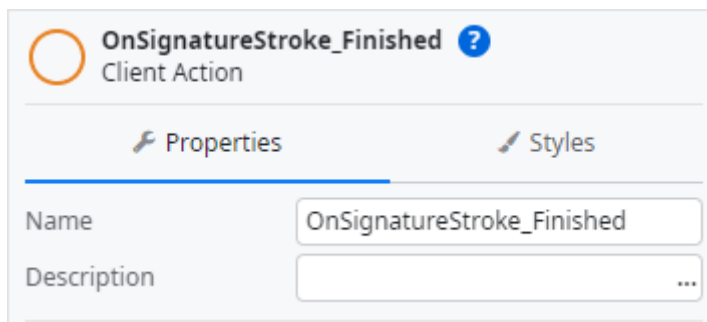
Stroke Finished Logic

To save the signature, you will need to assign what the user signed to the Signature field of the PatientOnboarding Local Variable.
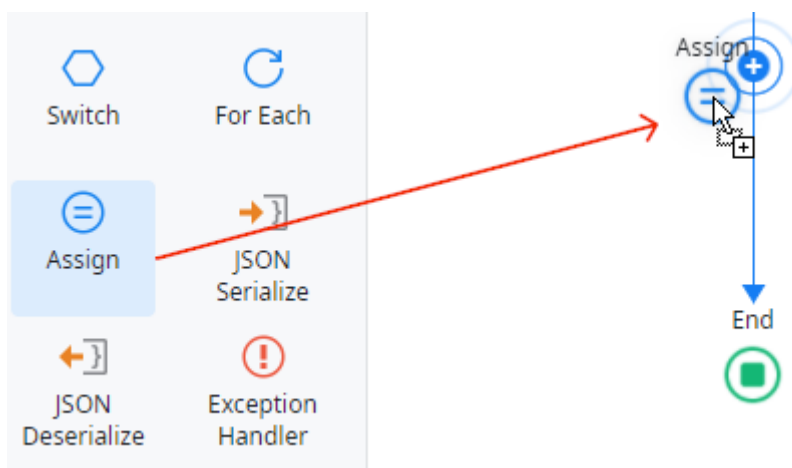
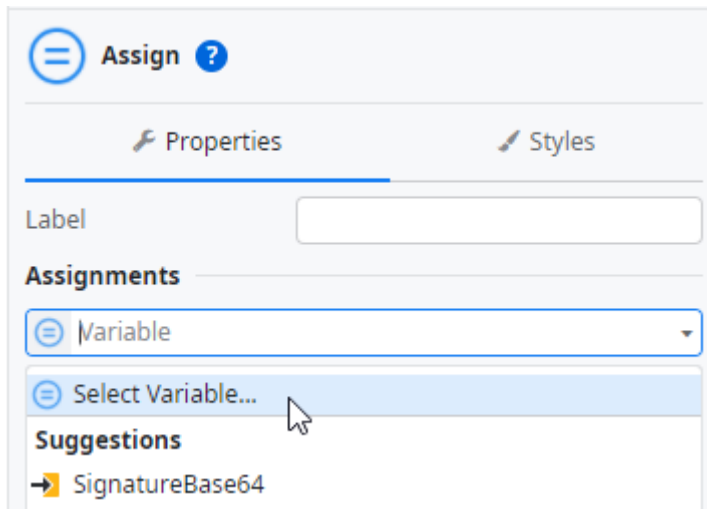1) Click on the **Handler** property of the StrokeFinished Event and select **New Client Action**.

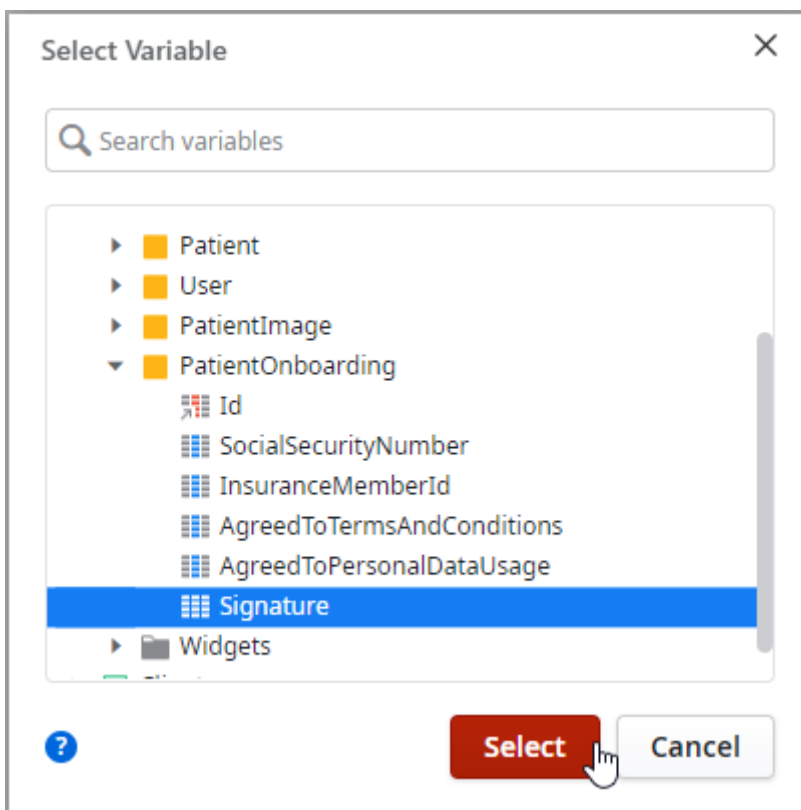2) Set the **Name** of the new Client Action to *OnSignatureStroke_Finished*.

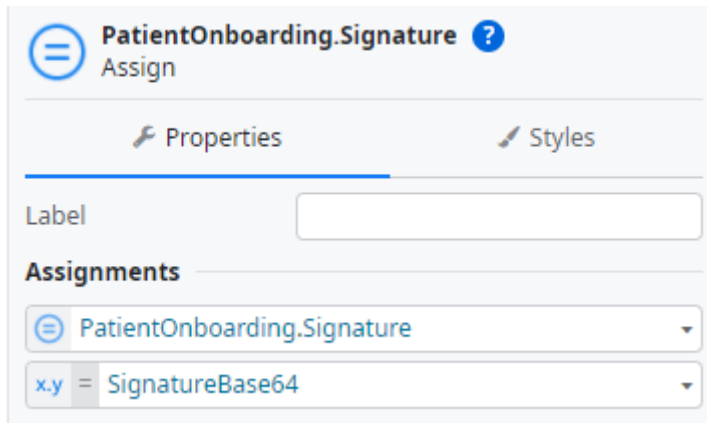3) Drag and drop an **Assign** element from the left sidebar to the empty Action Flow.

4) Click on the dropdown of the Variable, then **Select Variable**

5) Expand the **PatientOnboarding** variable and select the Signature attribute. Click on **Select** when you're done.

6) Click on the Value property and select the input parameter **SignatureBase64**.

To perform the assign, you are using a value that is given by the SignaturePad Block. This has the content of the user's signature. So, to have the signature implemented, you just need to reference the Block, drag it, and set the logic to save the signature on the Local Variable. The component does the rest for you. Your Handler should look like this:

7) Publish the module and open it in the browser.

Testing your app

Now that the consent part of the Form is ready, it's time to test your app again.

1) Navigate to the Registration Screen. Expand / collapse the accordeons to show / hide the full text. Don't forget you can easily customize this with your own text and terms!

2) Click on the checkboxes to test if they change accordingly, then write something in the signature area.

3) Click on **Clear** to see the signature disappear. This is used in case the user wants to erase their signature and redo it.

You're done with the UI! Join us on the next tutorial to create the logic to save all of this in the database.

Wrapping up

Congratulations on finishing this tutorial. With this exercise, you had the chance to go through some essential aspects of OutSystems and use a Forge component.

References

If you want to deep dive into the subjects that we have seen in this exercise, we have prepared some useful links for you:

1) OutSystems UI

2) Accordion

3) Align Center

4) OutSystems Forge

5) Forge components best practices

6) Expose and reuse functionality between modules

See you in the next tutorial!