Lab 04: Frontline Worker App

Adding a New Question to the Frontline Worker App

In this exercise, you will create a new column in the Immunization table in Dataverse to represent a new question to ask a Resident during their immunization appointment. Then, you will add that new column as a field on the form in the Frontline Worker App.

**Task 1: Create a new column in your In a Day Power Apps Solution**

In this task, you will create a new column in the Immunization table that will allow a Resident to inform the Frontline Worker what their favorite color is. This information will be tracked and later used for reporting in the Microsoft Vaccination Management Command Center.

1. Navigate to [Power Apps](https://make.powerapps.com/) (recommend Incognito or InPrivate session).
2. Log in using the credentials supplied in the training for your user.
3. Select the correct environment from the upper right **Environment** drop down.



1. Select **Solutions** on the left navigation bar.
2. Find the **solution** that you created in **Lab 01** and open it.
3. On the top menu bar, click **+ Add Existing**, and then select **Table.**

Graphical user interface, text, application

Description automatically generated

1. Search for the **Immunization** table, select and then click **Next**.

Graphical user interface, table

Description automatically generated

1. Leave the boxes unchecked and click **Add.**

Graphical user interface, text, application

Description automatically generated

1. Select the newly added Immunization table and click Edit.

Graphical user interface, text, application

Description automatically generated

1. Click + Add Column on the top menu bar.



1. In the pop-out screen, type “**Favorite Color**” for the **Display Name** and leave the rest of the fields as defaults. This Click **Done**

Graphical user interface, text, application, email

Description automatically generated

1. Click the Save Table button in the bottom right of the screen.

Graphical user interface, application

Description automatically generated

1. Go back to the solution by clicking the solution name in the breadcrumb.

A picture containing logo

Description automatically generated

1. Click Publish all customizations on the top menu bar.



**Congratulations!** You have successfully added a new field to a solution in Dataverse!

**Task 2: Add the new column as a field in the Frontline Worker App**

In this task, you will modify the Frontline Worker App by adding a field to the form. This field will be a new question that vaccination site workers will ask residents during the vaccination process.

1. Navigate to [Power Apps](https://make.powerapps.com/) (recommend Incognito or InPrivate session).
2. Log in using the credentials supplied in the training for your user.
3. Select the correct environment from the upper right **Environment** drop down.



1. Select Solutions on the left navigation bar and select the solution you have created.
2. On the top menu, click **+ Add Existing** 🡪 **App** 🡪 **Canvas App.**

Graphical user interface, application

Description automatically generated with medium confidence

1. Select the **Frontline worker app** and click **Add.**

Graphical user interface, application, Teams

Description automatically generated

1. Select the **Frontline worker app** and click **Edit**.

A picture containing graphical user interface

Description automatically generated

1. When the canvas app opens, **click** to expand the **pgDose1** screen.

Graphical user interface, application

Description automatically generated

1. Scroll down and select **pgDose1ImmunizationForm**, then select **Edit fields** on the EDIT menu.

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

1. Click Add field to add the “Favorite Color” field that you created in the previous task.

Table

Description automatically generated

1. **Search** for the “**Favorite Color**” field, select it, and then click **Add.**

Graphical user interface, text, application

Description automatically generated

1. The Favorite Color field will now be added to the bottom of the data card and will overlap the Dose Number field. Simply select the Dose Number Data card and drag it down lower on the form so that they do not overlap.

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated

1. **Select** the Favorite Color **label** and change the font to **Segoe UI 11**, font size to **11**, and color to **black**. Drag the label over to the left so that it **aligns with the other labels** on the form.

Timeline

Description automatically generated with low confidence

A picture containing box and whisker chart

Description automatically generated

**Select** the **text box** and change the font to **Segoe UI**, font size to **11**, and Height to **35**. Additional configurations can be done as desired.

1. Go to **File** 🡪 **Save.**
2. Go to **File** 🡪 **Publish** 🡪 **Publish this version.**
3. Click **Close**

**Congratulations!** You have successfully added a new field to a form in the Frontline worker app.

**Task 3: Test the new scenario**

In this task, you will test the new scenario by checking in and recording the vaccination details of the **third** **resident** (Kayle Lewis) that you created in Lab 03 in the Frontline Worker App using your internet browser.

1. Navigate to [Power Apps](https://make.powerapps.com/) (recommend Incognito or InPrivate session).
2. Log in using the credentials supplied in the training for your user.
3. Select the correct environment from the upper right **Environment** drop down.



1. Select **Apps** on the left navigation bar.
2. Click the **Frontline Worker App.**
3. Go though and check in another resident. Click **Vaccinate now** and select **Dose 1.**
4. You will now see the Favorite Color field added to the form. **Fill out** the various fields and then click **Complete Vaccination**. Mark the vaccination complete for the selected patient by click **Yes**.

Graphical user interface

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, diagram

Description automatically generated



1. Navigate back to the Vaccination Site Management app and go to Registration. Under Data Sharing, you will find a Vaccination Data Sharing Notification Log for each of the residents that you vaccinated.

Graphical user interface, application, Word

Description automatically generated

***Important Note:*** *The* ***HL7 message*** *generation is triggered after the vaccination shot is administered and the vaccinator selects* ***Complete******vaccination*** *in the* ***Frontline worker app****. This creates a vaccination record in Dataverse that can be viewed in the* ***Vaccination site management app*** *under* ***Vaccination****. After the business logic to associate vaccination documents is complete, the* ***Completed*** *flag on the vaccination record is set. This will trigger the message generation plug-in. Each message generation will create a record in Vaccination Data Sharing Notification Log.*

*After the message is generated successfully, a* ***Vaccination Data Sharing Notification Log*** *is created for the vaccination. This will trigger the plug-in to send the* ***HL7 message*** *to the state agencies immunization system. The response from the immunization system will be stored in the same record. The message generation can also be triggered by setting* ***the Generate HL7******flag*** *on the* ***vaccination*** *record in the* ***Vaccination site management app*** *under Vaccination. This will allow the administrator, in case of errors when sending the data to the state, to fix any data issues pertaining to vaccination and then regenerate the message.*

*The message structure to report the vaccination information to state healthcare agencies varies across states and countries. The message generation and sharing capability in Vaccination Management provides a template and reference design for the integration with the state agency's immunization system. As an implementor, you will have to ascertain the structure of the message being generated and make necessary modifications to adapt the message structure according to the respective immunization system.*

**Congratulations!** You tested the end-to-end scenario by vaccinating a resident with the Frontline worker app and viewing the Vaccination Data Sharing record in the Vaccination Site Management app.