

Introduction to NDL Digitise Forms Workshop

Building a Child Flu Vaccination Form



NDL | Digitise



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Exercise 1 – Contact Details Page

Key Steps or Items To Be Added:

- Title and Company Logos.
- Email Address.
- Email Rule.
- School Code.
- Required Rule.
- Creating and applying Styles.
- Navigation Buttons.

Child Flu Vaccination Form

> Contact Details > Student Details > Immunisation History > Consent

Contact Details

Email address *

School code * Find School

School name

Next

Note: Image files for this exercise are stored under: C:\Training Material\Digitise Forms\Resources.

Exercise 2 – Student Details Page



Key Steps or Items To Be Added:

- First Name and Surname.
- Date of Birth.
- Gender.
- Ethnicity.
- Home and GP Address.
- Introduction to Datasources.
- Creating a Datasource.
- Mapping Elements to a Datasource.

Child Flu Vaccination Form

[Contact Details](#) [Student Details](#) [Immunisation History](#) [Consent](#)

Student Details To be completed by a parent/guardian

First name

Surname

Date of Birth of Child

Gender

Please select...

Ethnicity

Please select...

Home Address

Address line 1 *

Address line 2

Address line 3

Town / City *

County

Postcode *

GP Address

Address line 1

Address line 2

Address line 3

Town / City

County

Postcode

[Previous](#)[Next](#)

Exercise 3 – Immunisation History Page



Key Steps or Items To Be Added:

- Yes/No Radio Lists.
- Additional Details Text Panels.
- Introduction to Page Flow.
- Hidden fields.
- Element Expressions.

Child Flu Vaccination Form

> Contact Details > Student Details > **Immunisation History** > ✓ Consent

Immunisation History

Please select all options that apply to your child:

Asthma

Has your child been diagnosed with asthma? *

☒ Yes
☐ No

If your child is currently taking inhaled steroids (i.e. uses a preventer or regular inhaler), please enter the medication name and daily dose* *

Previous flu vaccinations

Has your child already had a flu vaccination?

☐ Yes
☐ No

Previous Next

Exercise 4 – Consent for Immunisation Page



Key Steps or Items To Be Added:

- Consent Checkbox.
- Parent/Guardian Name.
- Date of Consent.
- Navigation Bar.

Child Flu Vaccination Form

> Contact Details > Student Details > Immunisation History > ✓ Consent

Consent for Immunisation

☐ I consent for my child to receive the flu immunisation

Parent / Guardian full name Date

Previous Submit

Note: Image files for this exercise are stored under: C:\Training Material\Digitise Forms\Resources.



Exercise 5 – Success and Failure Pages

Key Steps or Items To Be Added:

- Success/Thank You message.
- Link to an external site.
- Failure message.
- Support Email link.

Success Page:

Child Flu Vaccination Form

Thank you for submitting this form.

[Click here for other NHS services](#)

[Exit Form](#)

[Download PDF](#)

Failure Page:

Child Flu Vaccination Form

Sorry but we are unable to process your request, please email:

immsteam@nhs.net



Exercise 6 – Publishing Your Form

Key Steps or Items To Be Added:

- Create a Publishing Profile.
- Define Connection Strings.
- Publish.
- Test the Form in a browser.

Publish

Profile: localhost [New... Delete]

Profile Name: localhost

Destination IIS Server DNS Name: localhost

Website

Website: Default Web Site

Website Application: ChilFluVaccination

Server URL: http://localhost/ChilFluVaccination

Serve client from a different domain: ☐

Forms

Name	URL	Create...	Return...	PDF Folder	GA Tracking ID	GA Code Snippet
Form1	http://localhost/ChilFluVaccination/Form1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/PDFs		

Datasources

Connection Strings

Name	Connection	Can use Windows Authentication
Croydontest	Data Source=(local);Initial Catalog=ChildFluVaccination;User ID=sa;Password=*	<input type="checkbox"/>
Schools	Data Source=(local);Initial Catalog=ChildFluVaccination;User ID=sa;Password=*	<input type="checkbox"/>

General

Configuration database connection: Data Source=(local);Initial Catalog=NDLFXDB##FX01;User ID=sa;Password=***** ☐ Can use Windows Authentication

Logging database connection: Data Source=(local);Initial Catalog=NDLFXDB##FX01;User ID=sa;Password=***** ☐ Can use Windows Authentication

Physical Path (local machine only): C:\inetpub\wwwroot\ChildFluVaccination [Browse...]

Deploy package to IIS: ☒

Preview only: ☐

Review deployment feedback: ☐

Publish path: C:\Users\MWyatt\OneDrive - NDL\Documents\NDL Software\FX Studio\Publish\ChildFluVaccination\localhost [Browse...]

Exercise 7 – Create a School Code Lookup



Key Steps or Items To Be Added:

- School Code Lookup.
- Import an existing table.
- Create a new SQL Query.
- Reference a SQL Query using an in-built Function.
- Download and display data using Events.

School code *	<input type="text"/>	Find School
School name	<input type="text"/>	

Note: SQL Script for this exercise is stored under: C:\Training Material\Digitise Forms\Resources.

Exercise 8 – Generate a PDF



Key Steps or Items To Be Added:

- Create a PDF version of the Form.
- Modify the Word Template.
- Enable PDF creation when Publishing.
- Define the PDF location.
- Add a Get PDF Button.
- View the PDF in a browser.

The screenshot shows a Microsoft Word document titled "Child Flu Vaccination Form". The document is in "Compatibility Mode - Word" and is named "Document2". The ribbon shows the "Home" tab with options for Font, Paragraph, Styles, and Voice. The form content includes:

- Child Flu Vaccination Form**
- Contact Details**
- Email address [Page1_ndltextbox1_value]
- School code [Page1_ndltextbox2_value]
- Textbox [Page2_ndltextbox1_value]
- Date picker [Page2_ndldatepicker1_value]
- Gender [Page2_ndldroplist1_value]
- Droplist [Page2_ndldroplist2_value]
- Addresses [Page2_ndladdressfinder1_addressline1_val], [Page2_ndladdressfinder1_addressline2_val], [Page2_ndladdressfinder1_addressline3_val]
- [Page2_ndladdressfinder2_addressline1_val], [Page2_ndladdressfinder2_addressline2_val], [Page2_ndladdressfinder2_addressline3_val]

The status bar at the bottom indicates "Page 1 of 2", "113 words", and "English (United Kingdom)".



Exercise 9 – Working With Styles

Key Steps or Items To Be Added:

- Import the CSS stylesheet provided.
- Observe how the Header and Footer have changed.
- Apply the 'ButtonPrimary' style to your Form Button.
- Update the Image Element in the Header of the Form to use your Company's Logo.



Exercise 10 – Form Datasources

Key Steps or Items To Be Added:

- Replace a Form Element with a more appropriate Element.
- Create a new Datasource for your Form.
- Remove any unnecessary Datasources.
- Remove any unnecessary Data Mappings under your new Element.
- Delete or update database message on Publish.



Exercise 11 – Form Validation

Key Steps or Items To Be Added:

- Add a Regular Expression to your School Code Textbox Element.
- Restrict the Textbox so that it only accepts numeric values within a certain range.
- Research the best Regular Expression to use, then configure a Regular Expression following the example provided.
- Test that your Regular Expression works.



Exercise 12 – SQL Data and Queries

Key Steps or Items To Be Added:

- In SQL Server Management Studio, add additional values to your Ethnicity table.
- Refresh your Form and check whether values appear.
- Did you have to Re-publish?
- Create a new SQL Query in Digitise Forms Studio using the 'ORDER BY' SQL statement.
- Apply the query to the Form.



Exercise 13 – Importing Tables

Key Steps or Items To Be Added:

- Add the relevant Element to your Form that will allow the Parent/Guardian to select what medication the child is on.
- Create the table in SQL Server Management Studio.
- Ensure your table has a Key field and the ID auto-increments.
- Import the table in Digitise Forms by selecting 'Import Datasource'.
- Input-map this Datasource to your new Element.
- Republish your Form.



Exercise 14 – Using JavaScript

Key Steps or Items To Be Added:

- Add a Date Picker and Textbox Element to your Form to display the Current Date.
- Use the internet (if required) to get the correct JavaScript for acquiring the Current Date.
- Using the 'Code Name' of your Form, Page, and Element, put together the correct Expression that sets the value of your Element to the Current Date (e.g., `form1.page3.datapicker.value=strdate;`).



Exercise 15 – Debugging Errors

Key Steps or Items To Be Added:

- Force a JavaScript syntax error in your Custom JavaScript Function (e.g., use an incorrect Code Name value in your Script).
- In your browser, turn on the Developer Tools and go to the Console Tab.
- In your Digitise Forms Datasource, amend a SQL Query to reference a column that doesn't exist.
- Observe how we can use the Log Table in the Digitise Forms Database to look for exceptions.

Exercise 16 – Familiarisation with Form Manager



Key Steps or Items To Be Added:

- Read through the Form Manager topics contained within the Digitise Forms Online Help.
- Become familiar with what Form Manager does and how it can be used to perform a variety of tasks.
- Understand how properties and options relating to the running of your eForms can be configured from within Form Manager.