

# XMPie Training

## EDU Tutorial - Part 4 - More Content objects

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A CareAR Company

one to one in one™



# Notices

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U.S. Patent 6948115, 7406194, 7548338, 7757169 and pending patents. JP Patent 4406364B and pending patents.

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# About this tutorial

Congratulations on your selection of XMPie uCreate Print for your Variable Data Print (VDP) needs.

The XMPie EDU Tutorial is a series of tutorials that together will provide a thorough introduction to VDP techniques using Adobe InDesign and XMPie uCreate Print.

The EDU Tutorial is divided into different sections to enable you to quickly jump forward or backward to find help to learn different aspects of the product functionality:

- Part 1 - Project planning, preparation and gathering
  - Understanding the project
  - Checking the available data
  - Checking the available image and text file assets
  - Planning what content objects are needed to achieve the desired outcome
- Part 2 - Basic VDP job
  - Linking to your data source
  - Placing Text and Graphic Content objects into the InDesign document
  - Managing text copy fitting and dynamic graphic fitting
  - Creating your first VDP output
- Part 3 - Using rules and logic
  - Introduction to the Rule editor
  - Functions and how to use them
  - Creating rule or logic
- Part 4 - Introducing more content object types
  - Creating and using Visibility, Style and Text File content objects
- Part 5 - Barcodes
  - Creating and using print barcodes
- Part 6 - ulmage regular font effects
  - Creating a font-based ulmage template with Adobe Photoshop
  - Creating a ulmage Document Package
  - Optimization techniques
- Part 7 - ulmage image font effects
  - Creating an image-font-based ulmage template with Adobe Photoshop
  - Creating a ulmage Document Package
  - Optimization techniques
- Part 8 - Using the ulmage package in uCreate Print
  - Linking InDesign and uCreate Print to the ulmage package
- Part 9 - Table Content objects and uChart
  - Linking to secondary data sources
  - Table Content objects
  - Adding uChart to the document
- Part 10 - Working with uProduce
  - Creating Campaign- and Document-packages
  - Uploading packages to the uProduce Dashboard
  - Processing the document on the server
  - Working with Circle

## Target audience

This tutorial is designed to provide basic information, step-by-step instructions, and sample materials for self-learning. Should you require more visual assistance, there are accompanying videos available at <http://campus.xmpie.com/s/uCreatePrint>.

At the end of this Tutorial, there are review questions, and suggested exercises to build on the skills outlined in the tutorial.

The content is designed for customers who have bought XMPie uDirect or PersonalEffect and wish to learn how to use XMPie's uCreate Print product to create document templates for VDP production.

It is expected that the reader will already have a basic working knowledge of Adobe InDesign. If not, it is recommended to first complete some basic InDesign training for example, courses with Adobe: <https://helpx.adobe.com/indesign/tutorials.html> or a 3rd party organization such as Lynda.com: <https://www.lynda.com/InDesign-training-tutorials/233-0.html>

## Document structure

This tutorial uses the following icons to draw your attention to special key items to help you identify the information you are looking for when completing the tutorial.



### **Additional information and notes**

This is an example of additional information and notes.



### **NOTE: Special attention and warning**

This is an example of special attention and warning.

Sections of the tutorial which require hands on action will be highlighted with the following icon.



### **Step by step instructions**

This is an example of step by step instructions.

## Reference materials

- uCreate Print User Guide (Access via the online help link in the Dynamic Content menu).
- uCreate Print Tutorial videos (Access at <http://campus.xmpie.com/s/uCreatePrint>)

## Prerequisites

This tutorial assumes that you:

- Are familiar with InDesign CC,
- have a basic understanding of Excel or text-based data, and
- have a basic understanding of the aims of Variable Data Print (VDP).
- have Adobe InDesign CC2023 installed (trial version is acceptable)

# Module 1:

## Introduction and overview

In this module, we download and unzip the tutorial resource files. We will investigate the provided files, and get ready to start work in InDesign. This overview will also describe what we want to achieve in this sample tutorial.

### Duration

About 10 minutes

### Objectives

After completing this module, you will be able to:

- Unzip and open a sample InDesign file provided by a colleague or customer, and
- Describe the rules or conditions that are needed to change the text and in the document for this tutorial.

### Procedure

#### Previous tutorials and sample files

This tutorial is part of a series. It is recommended that you have downloaded and completed the previous tutorials. If you have, you can continue to use the files you have already started creating. Alternatively you can download the files ready to start this tutorial.

#### Unzip and review the contents



#### Step by step instructions

Unzip the resources package. You should see the following files:

Name	Date modified	Type	Size
assets	18/08/2017 9:37 AM	File folder	
images	25/09/2017 8:45 AM	File folder	
Engineering.pdf	27/08/2016 4:53 PM	PDF File	342 KB
General.pdf	27/08/2016 4:52 PM	PDF File	1,068 KB
Law.pdf	27/08/2016 4:50 PM	PDF File	266 KB
Medicine.pdf	27/08/2016 4:49 PM	PDF File	394 KB
text files	18/08/2017 9:37 AM	File folder	
general-schedule.txt	19/09/2016 9:10 AM	Text Document	23 KB
Law open house schedule.txt	19/09/2016 9:14 AM	Text Document	23 KB
medical - OpenHouse Schedule.txt	19/09/2016 9:21 AM	Text Document	23 KB
Open House engineering schedule.txt	19/09/2016 9:18 AM	Text Document	23 KB
resources	18/09/2017 8:45 AM	File folder	
edu logo.pdf	2/09/2016 6:05 AM	PDF File	6 KB
edu-smaller.pdf	25/08/2016 7:40 PM	PDF File	2,463 KB
graduation-smaller.pdf	4/09/2016 10:52 AM	PDF File	3,426 KB
library-small.pdf	4/09/2016 10:45 AM	PDF File	1,542 KB
meetingroom.pdf	4/09/2016 6:11 PM	PDF File	772 KB
XMPieLogo.pdf	4/09/2016 6:58 PM	PDF File	4 KB
EDU Postcard Template4 CC2023.indd	12/10/2017 9:35 AM	INDD File	2,712 KB
EDU Static.idml	19/09/2016 4:27 PM	InDesign Markup ...	335 KB
EDU_Scores.csv	10/10/2017 2:13 PM	Microsoft Excel C...	1 KB
EDU201x Prospective Students.csv	5/09/2017 2:38 PM	Microsoft Excel C...	318 KB



## Open the InDesign document



### Step by step instructions

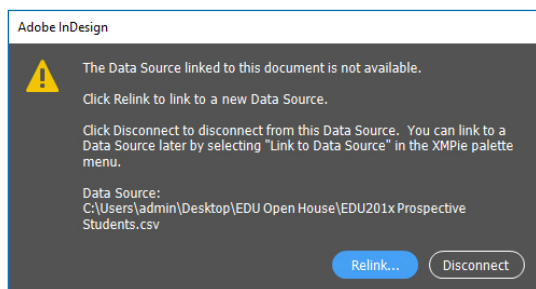
Launch InDesign and open the **EDU Postcard Template CC2023.indd** file.

If you have problems opening the file with your version of InDesign, then open the **EDU\_Static.idml** file and **Save as...** to save it as an INDD document. If you use the IDML file, you will need to repeat the steps outlined in Tutorials 2 and 3 before starting this tutorial.

## Re-link to the data source (if necessary)



### Step by step instructions

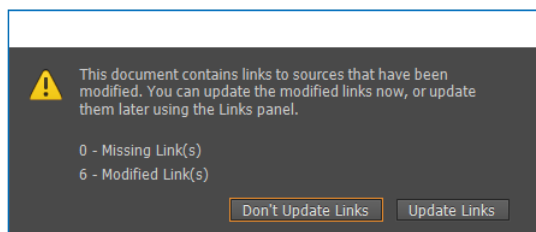


If you receive this warning dialog, then click **Relink** and browse to the **EDU201x Prospective Students.csv** file provided in the tutorial zip file.

## Re-link images (if necessary)

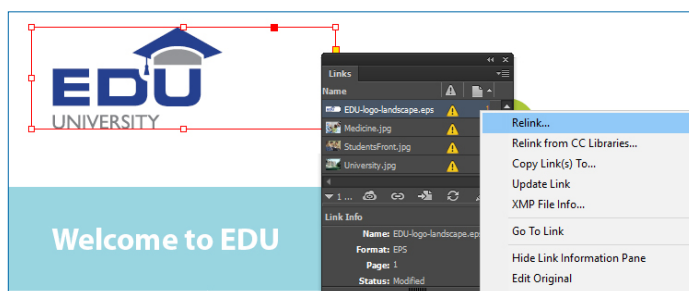


### Step by step instructions



If InDesign prompts you about modified links, click to **Update Links**

InDesign should locate the images automatically. If not, follow these optional steps:



Open the Links panel: **Window -> Links** (Ctrl-Shift-D).

Select the links that have the caution icon, and select to **Relink...** the links from the panel menu.

Locate the image of the same name in the resources or assets folder. InDesign should offer to relink other images found in the same folder. If not, repeat the process until all images are relinked.

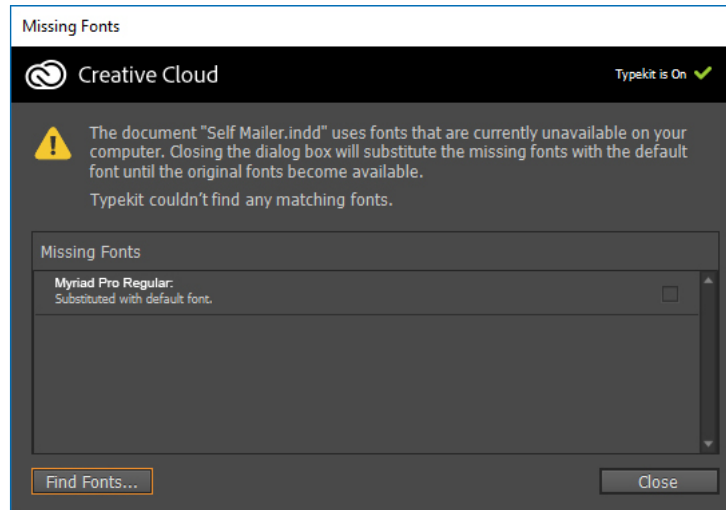


## Install or replace missing document fonts (if necessary)

The tutorial document uses the fonts Impact and Myriad Pro, which should be automatically installed by Adobe InDesign. If either or both fonts are not available on your computer, InDesign will prompt you about missing fonts. You can look for them online and install them, or simply replace the fonts with one you already have installed.



### Step by step instructions

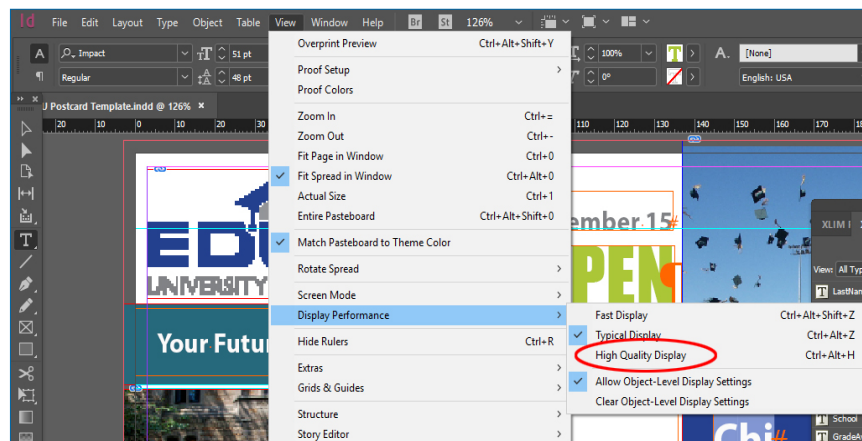


If InDesign prompts you about missing fonts, then click **Find Fonts...** and select to replace the missing fonts with one already installed on your computer.

## Set High Quality display performance



### Step by step instructions



From the InDesign **View** menu, select **Display Performance** and then **High Quality Display**.

Alternatively, use the **Ctrl+Alt+H** keyboard shortcut.

## Review campaign requirements

Before starting any VDP job, it is recommended to look at the document and the data to understand what information you have, and what needs to change in the document. It can also be very helpful to write a list of ADORs or content objects that are needed to complete the job.

In this tutorial, we are going to continue the EDU Postcard document we started in the previous tutorial.

The invitation postcard document looks like this:

**EDU UNIVERSITY**

November 15  
**OPEN HOUSE**

Your Future Starts Here

**Chi**  
Welcome to EDU University

\* Chi, you may be eligible for a scholarship!

**15% OFF**  
Application Fees  
\* If you apply during the open house

8:00 AM - 10:30 AM Registration & Introduction to EDU - Main Administration Building.  
11:00 AM - 12:30 PM Tour of the Campus given by current undergraduates.  
12:30 PM - 2:00 PM Student social activities and lunch break.  
2:30 PM - 3:30 PM Presentation by the Student Union on student life on campus.  
4:00 PM - 6:30 PM Meet the EDU Faculty, Advisors and Alumni.

Change to School color

Text color may need to change because of school color

Hide scholarship info if Grade Average is less than 85

Create Text File Content object for different agenda for each School

**EDU UNIVERSITY**

Open house

NOV 15

EDU University  
70 Walnut St.  
Anytown, NY 10012  
(212) 998-2500  
www.edu-university.edu

Postage Paid

Dear Chi,  
In order to choose the right university, you will need to ask questions, challenge your preconceptions and develop your opinions through talking to others. Our open house is designed to provide you with all the information you need to make an informed choice.

As a new student you are entitled to a 15% discount on the application fee, if you apply during the open house registration.

Additionally, based on your grades and scores, you may be eligible for a scholarship. Stop by the Scholarship Desk.

Graduation Rates (average all schools)

	2011	2010	2009	2008
Law	48	47	49	37
Medical	52	55	50	48
Engineering	53	54	53	42
All	51	52	51	42

For more information on the open house visit:  
<http://www.edu-university.edu/openhouse>

Chi Cotton  
588 Frank Avenue  
Springfield, MA 01103

Change to School color

Text color may need to change because of school color

Hide scholarship info if Grade Average is less than 85






### Additional information and notes

ADOR (Automatic Dynamic Object Replacement) is a patented XMPie technology for objects that can be dynamically changed or replaced in the document. For example a Text ADOR can change text in the document. We also refer to ADORs as Content Objects.

The data for this tutorial looks like this:

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	FirstName	LastName	StreetAddress	StreetAddress2	City	State	ZipCode	Gender	School	GradeAvg	EmailAddress	BirthDay	PURL	IMBSample	SortID	Tray	Marker
2	Salvador	Randolph	866 Hilltop Street	Apt 23	Wilbraham	MA	01095	m			89 SalvadorR@somefakeaddress.com	5/5/1993	Salvador.Randolph.744	123456789012345678901234010951234	1	1	#
3	Chi	Cotton	588 Frank Avenue		Springfield	MA	01103	f	Engineering		83 ChiC@somefakeaddress.com	1/30/1992	Chi.Cotton.972	123456789012345678901234011031234	2	1	
4	Lauretta-Leigh	Navarrete	4899 Trouser Leg Road	Unit 2	Springfield	MA	01103	m	Engineering		95 Lauretta-Leigh@somefakeaddress.c	9/16/1993	Lauretta-Leigh.Navarrete.208	123456789012345678901234011031234	3	1	
5	Yolanda	Tourville	1411 Kennedy Court		Worcester	MA	01610	f			87 YolandaT@somefakeaddress.com	2/27/1992	Yolanda.Tourville.378	123456789012345678901234016101234	4	1	
6	Rita	Nock	840 C Street		Framingham	MA	01702	f			83 RitaN@somefakeaddress.com	8/6/1984	Rita.Nock.869	123456789012345678901234017021234	5	1	
7	Dorothy	Beaumont	2835 Smith Street	Level 4	Framingham	MA	01702	f			76 DorothyB@somefakeaddress.com	12/18/1993	Dorothy.Beaumont.377	123456789012345678901234017021234	6	1	
8	Anthony	Britton	132 Russell Street		Acton	MA	01720	m			81 AnthonyB@somefakeaddress.com	4/5/1986	Anthony.Britton.338	123456789012345678901234017201234	7	1	
9	Jenny	Race	3067 Pearlman Avenue		Bedford	MA	01730	f	Law		94 JennyR@somefakeaddress.com	4/18/1992	Jenny.Race.914	123456789012345678901234017301234	8	1	
10	Maria	Price	2636 Rainy Day Drive		Woburn	MA	01801	f	Law		94 MariaP@somefakeaddress.com	9/15/1981	Maria.Price.164	123456789012345678901234018011234	9	1	
11	Alta	Smith	4230 Tennille Road		Burlington	MA	01803	f	Law		79 AltaS@somefakeaddress.com	6/13/1990	Alta.Smith.104	123456789012345678901234018031234	10	1	
12	Gwendolyn	Hernandez	3971 Hampton Meadows		Haverhill	MA	01830	f	Law		82 GwendolynH@somefakeaddress.co	4/18/1996	Gwendolyn.Hernandez.143	123456789012345678901234018301234	11	1	
13	Michelle	Labrecque	1698 Levy Court		Lawrence	MA	01840	f	Law		100 MichelleL@somefakeaddress.com	8/7/1981	Michelle.Labrecque.766	123456789012345678901234018401234	12	1	
14	Angie	Mifflin	1982 Hampton Meadows		West Newbury	MA	01985	f			87 AngieM@somefakeaddress.com	7/26/1967	Angie.Mifflin.578	123456789012345678901234019851234	13	1	
15	Michael	Danek	1554 Huntz Lane		Foxboro	MA	02035	m	Engineering		91 MichaelD@somefakeaddress.com	8/29/1988	Michael.Danek.047	123456789012345678901234020351234	14	1	

And the following text files are available in the assets folder:

	<b>text files</b>	18/08/2017 9:37 AM	File folder	
	<b>general-schedule.txt</b>	19/09/2016 9:10 AM	Text Document	23 KB
	<b>Law open house schedule.txt</b>	19/09/2016 9:14 AM	Text Document	23 KB
	<b>medicial - OpenHouse Schedule.txt</b>	19/09/2016 9:21 AM	Text Document	23 KB
	<b>Open House engineering schedule.txt</b>	19/09/2016 9:18 AM	Text Document	23 KB

With the document design requirements, data, and assets, we can now define the content objects and rules we need to create. Below is the list of tasks for this tutorial. For your reference, each is followed by the tutorial page number.

## Front page tasks

- Hide the Scholarship information if Grade Average is less than 85 - page 12.
- Change the background color to be the School color - page 16.
- If necessary, change the font color so it is readable over the new school color - page 20.
- Change the Agenda table for each School - page 22.

## Back page tasks

- Change the background color to be the School color - page 19.
- If necessary, change the font color so it is readable over the new school color - page 20.

# Module 2:

## Visibility Content objects

Visibility Content objects allow you to show/hide Pages or Layers in the InDesign document. For this example, the university only wants to show the scholarship information to students with a grade average above 85, and the designer has put the scholarship information onto a separate InDesign layer.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create a Visibility Content object,
- Define a rule that returns true/false to show/hide a layer,
- Set the Visibility Content object onto an InDesign layer.

### Procedure

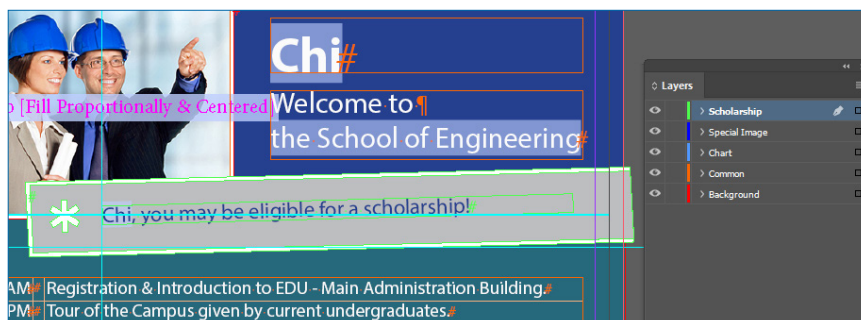
#### Checking the layer that will become dynamic



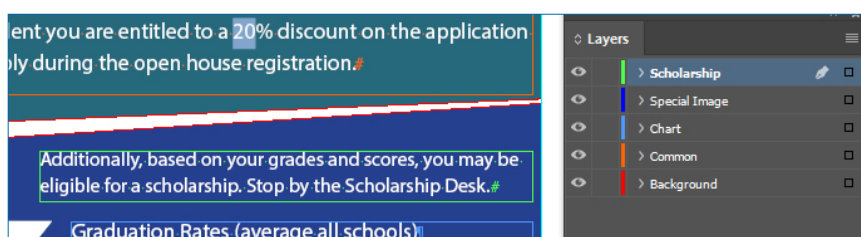
#### Step by step instructions

Open the **Layers** panel from the **Window** menu or hit **F7**.

This document has been setup with the Grey box, asterisk graphic and scholarship text box on the Scholarship layer. You can manually turn off/on the Scholarship layer by clicking the eye icon on the Scholarship layer. We want to do this automatically based on a rule.



On the second page, you will also find the a text box highlighted green to show that it is on the Scholarship layer.







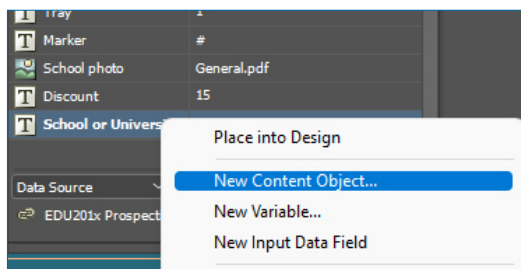
### Additional information and notes

In this sample file, the objects have already been moved to a unique layer. In your future projects you will have to create a new layer and move the objects to the layer that you will hide.

## Creating a new Visibility Content object

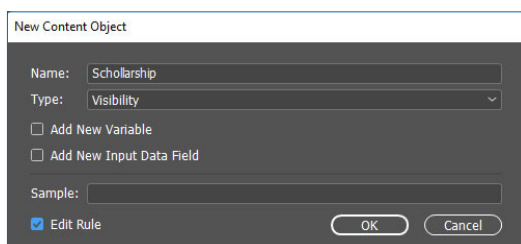


### Step by step instructions



In the Dynamic Content panel, right-click and select **New Content Object...**

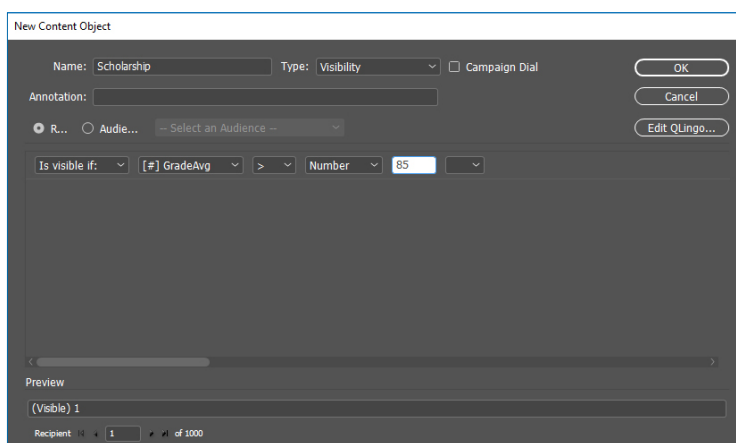
If the panel is not visible, open it from the **Window** menu, **XMPie** group.



Set a **Name** for the new content object.

Set the **Type** to **Visibility**.

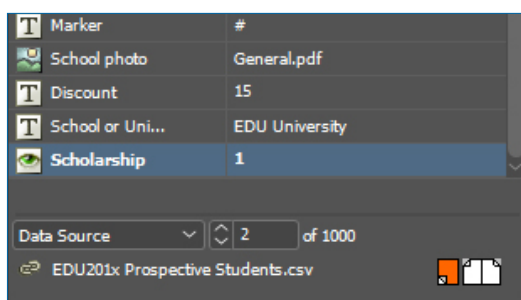
Check the box to **Edit Rule**.



Set the rule shown on the left:

**Is visible if GradeAvg > Number 85.**

Click **OK**.

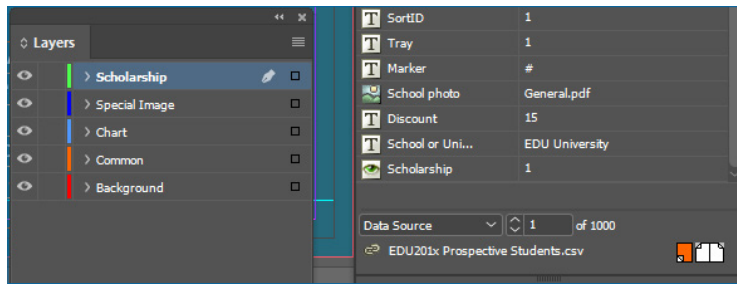


Your new Visibility Content object will appear in the panel list.

## Setting the Visibility content object onto the layer

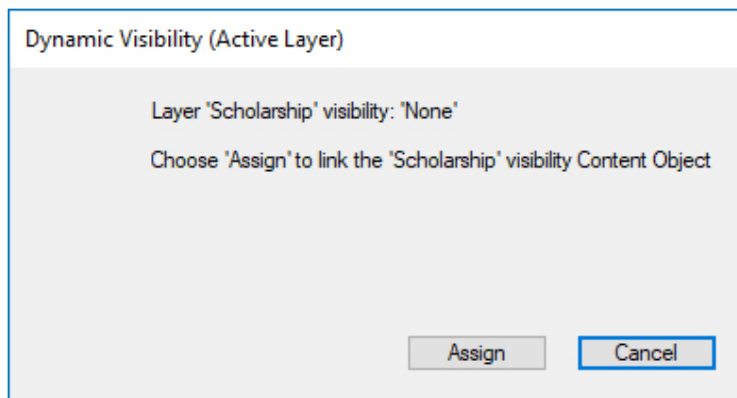


### Step by step instructions



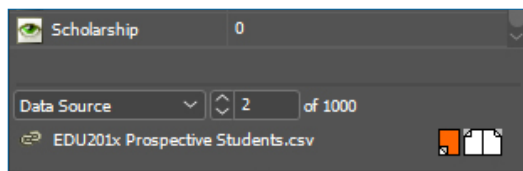
In the Layers panel, select the Scholarship layer.

In the Dynamic Content panel, double-click the Scholarship Visibility content object.



Confirm that you are assigning the Visibility object onto the correct layer.

Click **Assign**.



Scroll through the records to confirm that the layer shows and hides correctly.

Record 1 has a Grade Average of 89 so the layer should show.

Record 2 has a Grade Average of 83 so the layer should hide.



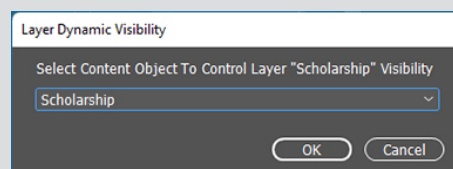
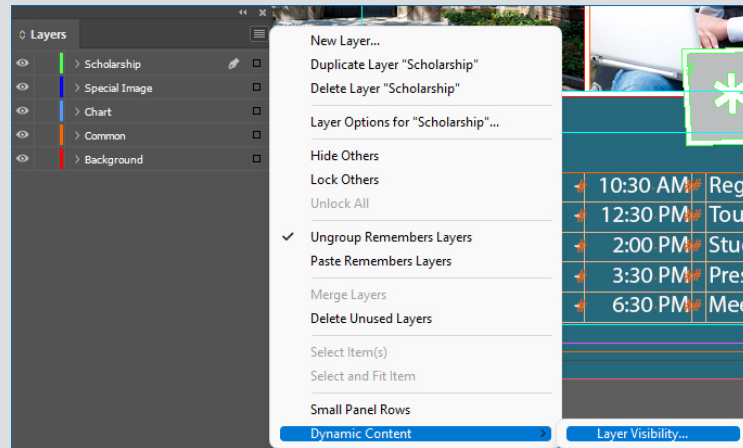
### Additional information and notes

The Visibility Content object is affecting the layer on all pages of the document.



### Additional information and notes

Note that you can also set the Visibility object onto layers by selecting one or more layers in the Layers panel, and using the Layers panel menu to select the **Layer Visibility** option from the **Dynamic Content** group.



Then, select the Visibility object from the drop-down list and click **OK**.

You can also remove the Visibility object from layers by selecting **None** from the drop-down and clicking **OK**.



### Additional information and notes

In addition to layers, Visibility objects can also be assigned to pages/spreads in the same way, but using the **Pages** panel (**F12**) instead of the Layers panel.



# Module 3:

## Style Content objects

Style content objects allow you to control InDesign Character or Object styles dynamically. For this example, the university wants to show the school color in the background of several boxes in the design. The InDesign document has already been setup with four Object Styles that define the background color of the different schools.

### Duration

About 15 minutes.

### Objectives

After completing this module, you will be able to:

- Create new Style content objects, and
- Control both Character and Object styles.

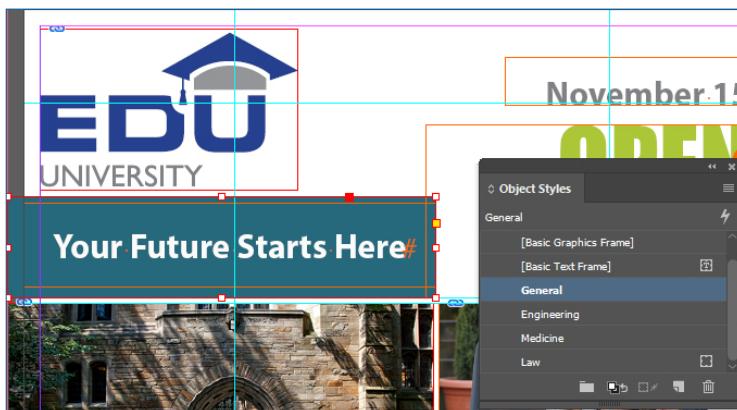
### Procedure

#### Checking the Object Styles



#### Step by step instructions

Open the **Object Styles** panel from the **Window -> Styles** menu, or hit **Ctrl-F7**.



From the InDesign tool box, select the **Selection** tool (black pointer) .

Click the teal-colored box behind the textbox.

Notice that when you select the box, the General Object Style is highlighted to show that the box is using that style.

You can manually click to change the object style to Engineering, Medicine or Law to see the color change to the school color. We want to do this automatically based on a rule.



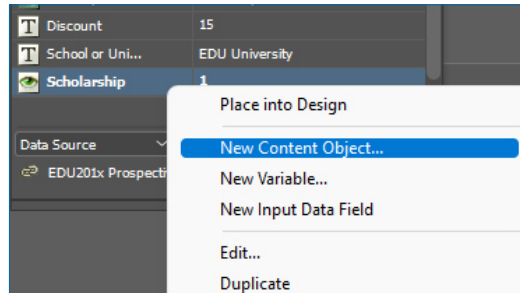
#### Additional information and notes

For this example, the styles have already been defined. However, in your future projects, you can also choose to setup new styles by selecting the Create New Style option in the rule editor which will open the standard InDesign style panel.

## Creating a new Style Content object (Object styles)

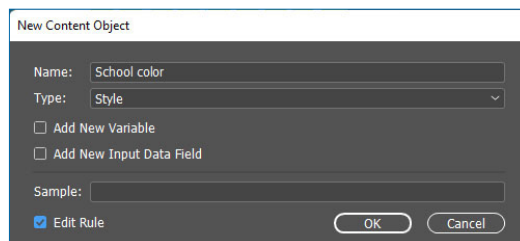


### Step by step instructions

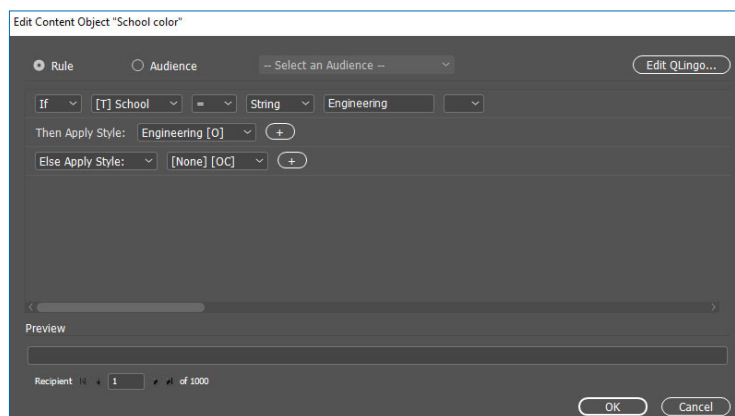


In the Dynamic Content panel, right-click and select **New Content Object...**

If the panel is not visible, open it from the **Window** menu, **XMPie** group.



Enter a **Name** for the Content object, set the **Type** to **Style** and check the box to **Edit Rule**.

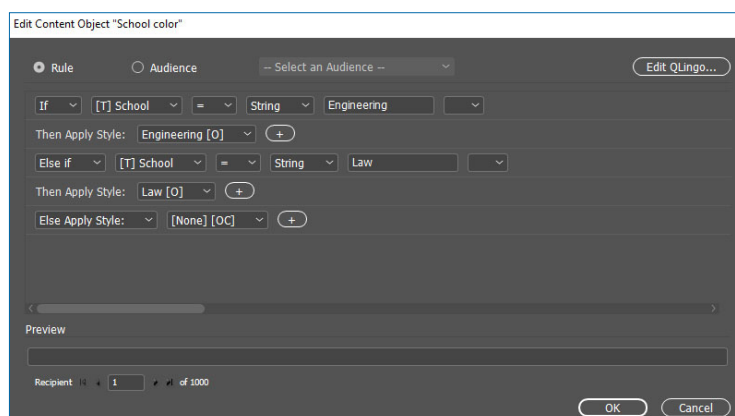


Change the **Apply Style** drop-down to **If**.

Select the **School** database field.

Select **=** and type in **Engineering**.

Select to Apply the **Engineering** Object Style.



Change **Else Apply Style** to **Else If**.

Select the **School** database field.

Select **=** and type in **Law**.

Select to Apply the **Law** Object Style.

Change **Else Apply Style** to **Else If**.

Select the **School** database field.

Select **=** and type **Medicine**.

Select to Apply the **Medicine** Object Style.

Next to **Else Apply Style**, select the **General** Object Style.

Our expression is complete. Click **OK**.

The new Content object is added to the bottom of the list in the Dynamic Content panel.



### Additional information and notes

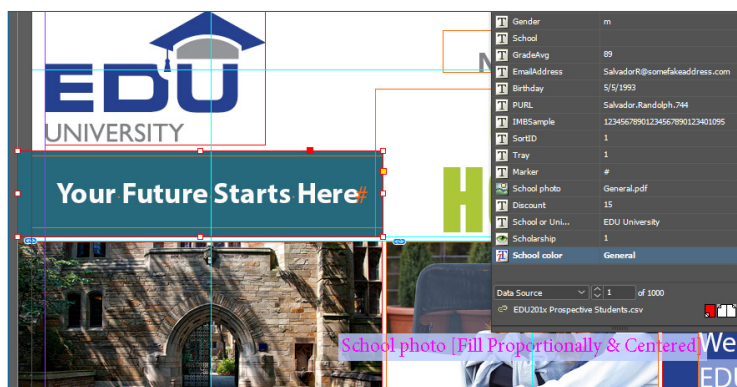
The text comparison used in the above expression is case-sensitive. In this example, all the school database values are in title case. In your future work, you may have a situation where the database is not clean and may have different case for example: Engineering/engineering/ENGINEERING for different recipients. In this situation, you can use a formatting function to change the database value to always be uppercase or lowercase, and then enter the comparison string in that case.

## Place the new Style Content object into the design



### Step by step instructions

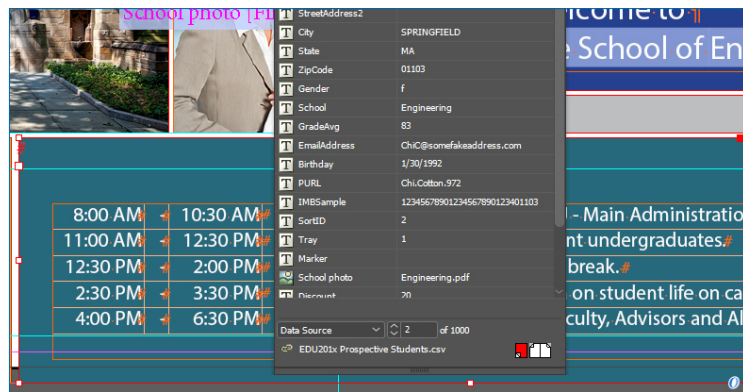
From the InDesign tool box, select the **Selection** tool (black pointer)



Select the teal-colored box behind the text.

Double-click the **School color** Content object.

Scroll through your records to confirm that the box background color changes as expected.

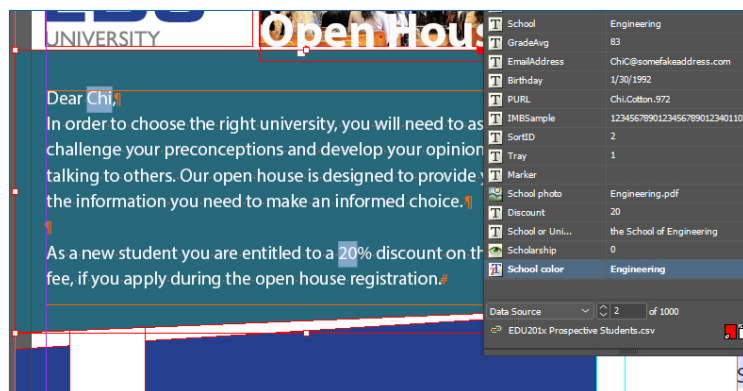


Select the teal-colored box behind the agenda text.

Double-click the **School color** Content object.

Scroll through your records to confirm that the box background color changes as expected.

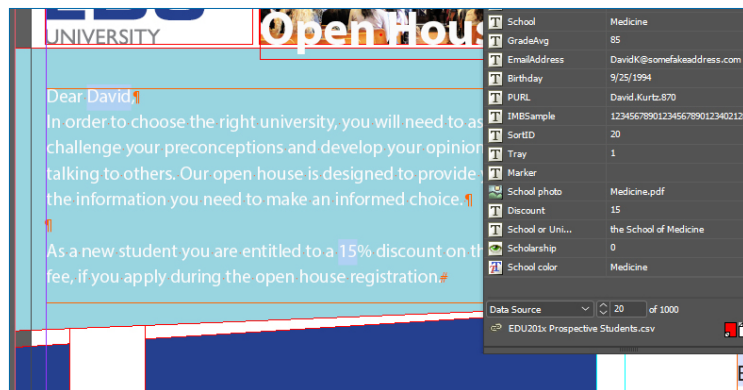
Move to page 2 in the document.



Select the teal-colored box behind the letter text.

Double-click the **School color** Content object.

Scroll through your records to confirm that the box background color changes as expected.



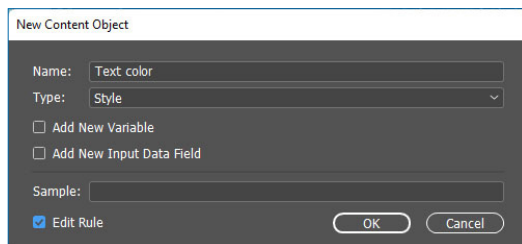
Notice that for the School of Medicine, the white text on the pale blue background color is difficult to read. (Record 20 for example.)

## Creating a new Style Content object (Character styles)



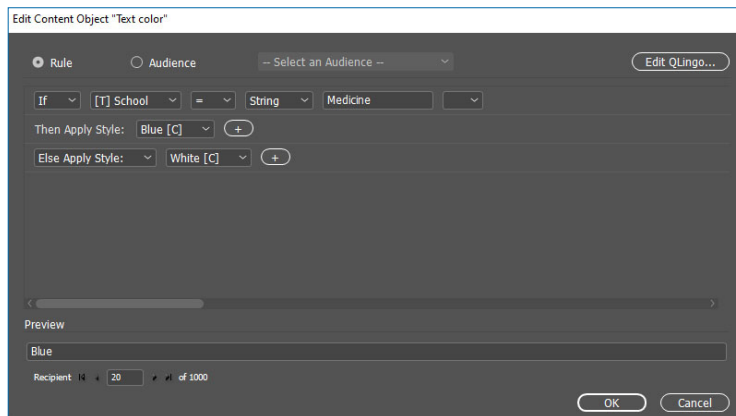
### Step by step instructions

In the Dynamic Content panel, right-click and select **New Content Object...**



The 'New Content Object' dialog box is shown. It has a 'Name' field with 'Text color' entered, a 'Type' dropdown set to 'Style', and two unchecked checkboxes: 'Add New Variable' and 'Add New Input Data Field'. There is a 'Sample' text field and an 'Edit Rule' checkbox which is checked. 'OK' and 'Cancel' buttons are at the bottom right.

Enter a **Name** for the Content object, set the **Type** to **Style** and check the box to **Edit Rule**.



The 'Edit Content Object "Text color"' dialog box is shown. It has tabs for 'Rule' and 'Audience'. Under the 'Rule' tab, there is a dropdown for 'If' set to '[T] School', an equals sign, a 'String' dropdown, and a 'Medicine' dropdown. Below this, 'Then Apply Style:' is set to 'Blue [C]' and 'Else Apply Style:' is set to 'White [C]'. There is a 'Preview' section showing 'Blue' and a 'Recipient' field with '20' and 'of 1000'. 'OK' and 'Cancel' buttons are at the bottom right.

Change the **Apply Style** drop-down to **If**.

Select the **School** database field.

Select = and type **Medicine**.

Select to Apply the **Blue** Character Style.

Else, apply the **White** style.

Our expression is complete. Click **OK**.

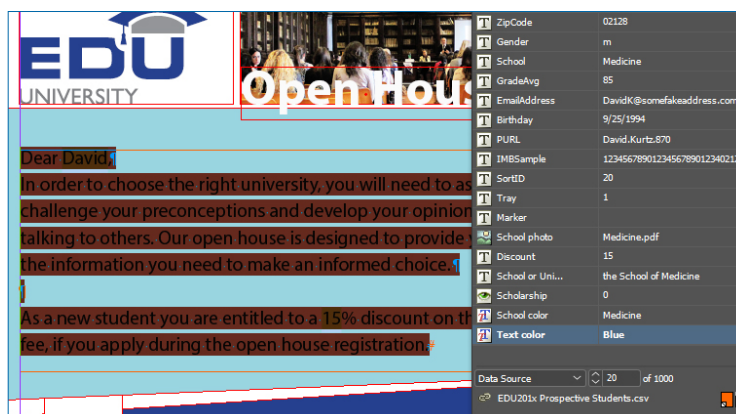
The new Content object is added to the bottom of the list in the Dynamic Content panel.

## Place the new Style Content object into the design



### Step by step instructions

From the InDesign tool box, select the **Type** tool .



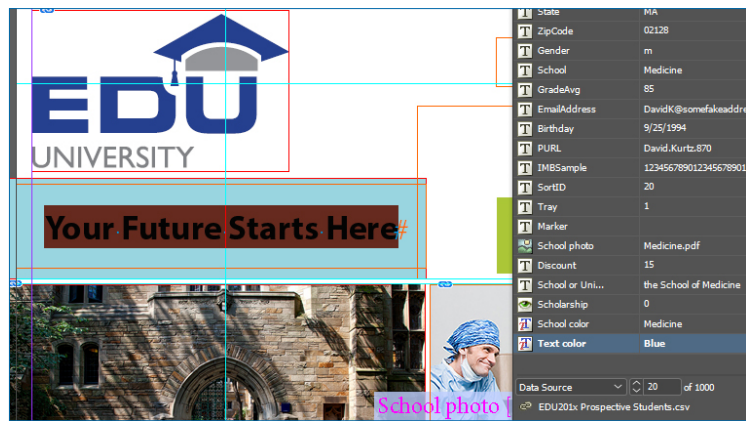
The InDesign workspace shows a letter template for 'EDU UNIVERSITY'. The text 'Dear David,' is highlighted. The background is a pale blue. The 'Dynamic Content' panel on the right shows a list of fields: ZipCode, Gender, School, GradeAvg, EmailAddress, Birthday, PURL, IMBSample, SortID, Tray, Marker, School photo, Discount, School or Uni..., Scholarship, School color, and Text color. The 'Text color' field is selected, and its value is 'Blue'. The 'Data Source' is 'EDU201x Prospective Students.csv'.

Select all the text in the letter text box.

Double-click the **Text style** Content object.

Scroll through the records to confirm that the text is dark blue when the Medicine School's pale blue background is displayed, and white for the other School colors.

Move back to page 1 of the document.



Select all the text in the heading text box.

Double-click the **Text style** Content object.



# Module 4:

## Text File Content objects

Text File Content objects allow you to import text from a separate file into the InDesign document based on database logic. In this example, we have a folder of text file assets that represent the different open day agendas for each School. We will create a Text File content object to read in the different text files depending on the student's selected School.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create a new TextFile Content object,
- Set the Assets folder, and
- Create a new InDesign table that is populated by the Table Content object.

### Procedure

#### Check the available Text File assets



#### Step by step instructions

Name	Date modified	Type	Size
general-schedule.txt	19/09/2016 9:10 AM	Text Document	23 KB
Law open house schedule.txt	19/09/2016 9:14 AM	Text Document	23 KB
medical - OpenHouse Schedule.txt	19/09/2016 9:21 AM	Text Document	23 KB
Open House engineering schedule.txt	19/09/2016 9:18 AM	Text Document	23 KB

In the Tutorial files, open the folder of **text files** in the **Assets** folder.



#### Additional information and notes

These text files contain the agenda information for each School. We need to import the text file based on the database School field.

There are two ways we can proceed:

- 1) We could rename the text files to be named just by the School - for example Law.txt, Medicine.txt, Engineering.txt and General.txt. And then our Rule would simply get the file with the same school name that is in the database. Or,
- 2) We could create a rule to select each file by its current name. For example:  
If [T] School = "Engineering" Then "Open House engineering schedule.txt"  
Else If...

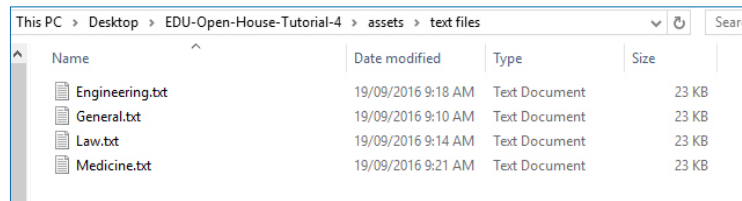
The following steps will look at both options, although you will only need to create the Content object once using the option you prefer.



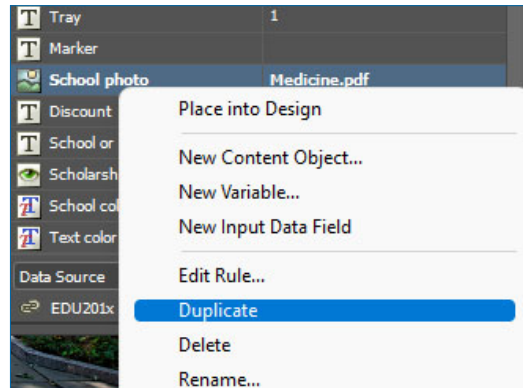
## Option 1 Rename the text file assets and create the Text File Content object



### Step by step instructions

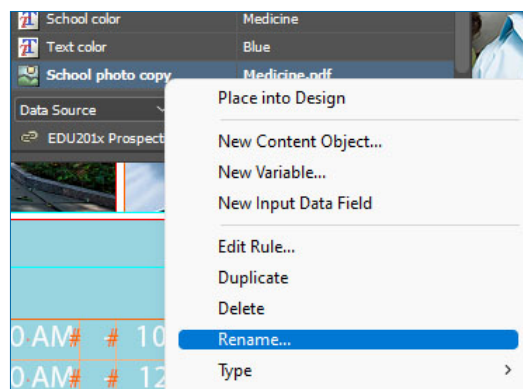


Rename the Text File Assets to include just the School name.



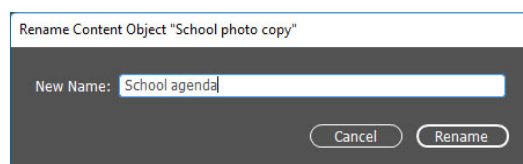
In the Dynamic Content panel, right-click on the **School photo** Content object.

Select **Duplicate**.



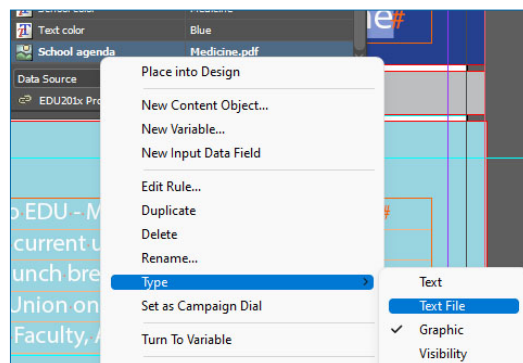
In the Dynamic Content panel, right-click on the new **School photo copy** Content object.

Select **Rename**.



Enter a better name for the new content object.

Click **Rename**.



In the Dynamic Content panel, right-click on the **School agenda** Content object.

Select **Type** and then **Text File**.

## Option 2 Create the Text File Content object for the original text file asset names

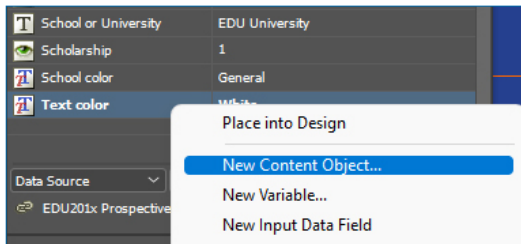


### NOTE: Special attention and warning

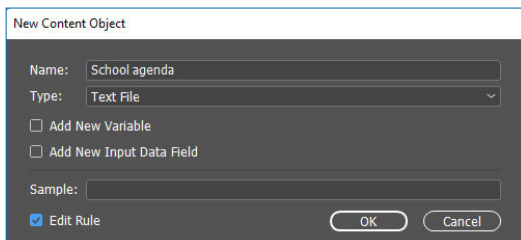
If you have created the **School agenda** content object using the previous step, please skip over this step. This is just to show how you could create a rule without having to rename the text file assets.



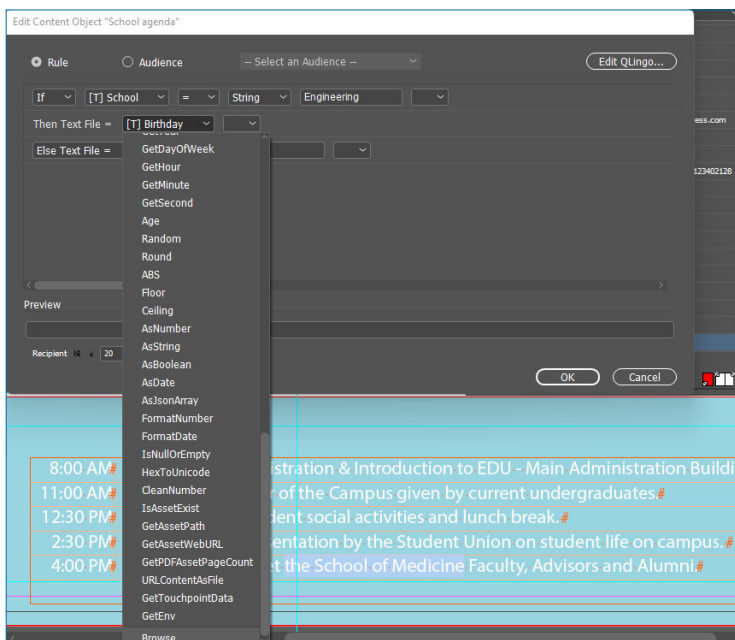
### Step by step instructions



In the Dynamic Content panel, right-click and select **New Content Object...**



Enter a **Name** for the Content object, set the **Type** to **Text File** and check the box to **Edit Rule**.



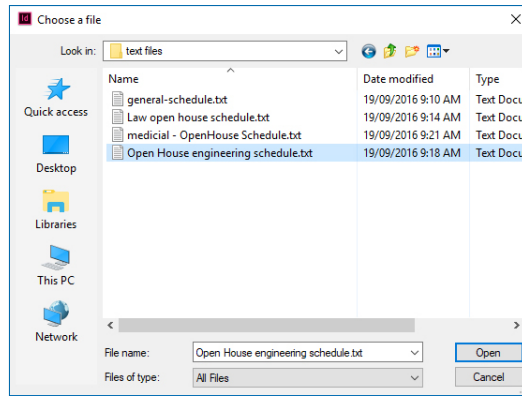
Change **Text File** = to **If**.

Select the **School** database field.

Select **=**.

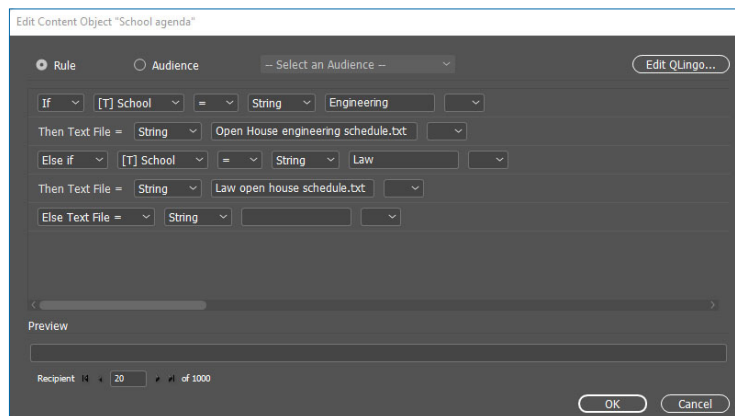
Enter the text **Engineering**.

On the next row of the expression, select **Browse...** (at the very bottom of the drop-down list.)



Browse to the text file assets folder and select the **Open House engineering schedule.txt** file.

Click **Open**.



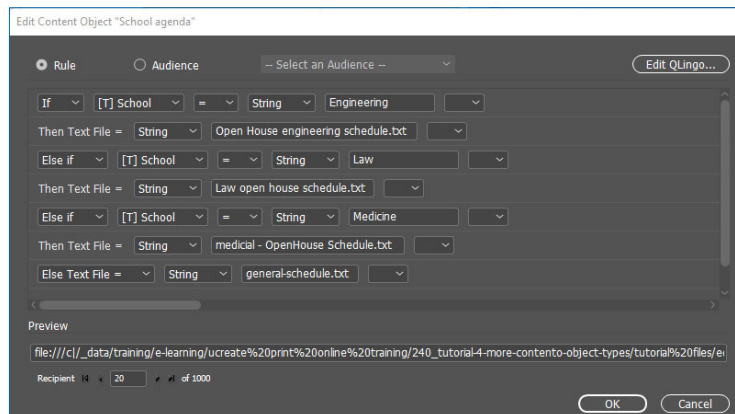
Change **Else Text File = to Else if**.

Select the **School** database field.

Select **=**.

Enter the text **Law**.

Next to **Then Text File =**, select **Browse** and select the **Law open house schedule.txt** file.



Change **Else Text File = to Else if**.

Select the **School** database field.

Select **=**.

Enter the text **Medicine**.

Next to **Then Text File =**, select **Browse** and select the **medical - OpenHouse Schedule.txt** file.

Next to **Else Text File =**, select **Browse** and select the **general-schedule.txt**.

Notice that the **Preview** area shows that a text file asset has been found.

Click **OK**.

## Place the new Text File Content object into the design



### Step by step instructions

From the InDesign tool box, select the **Type** tool

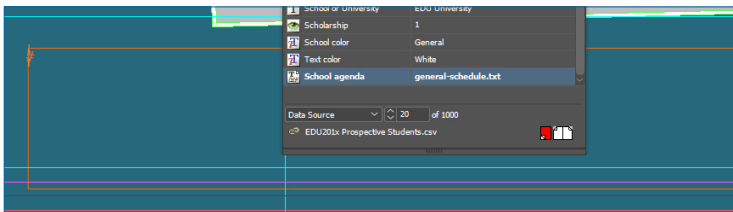
8:00 AM	10:30 AM	Registration & Introduction to EDU - Main Administration Building.
11:00 AM	12:30 PM	Tour of the Campus given by current undergraduates.
12:30 PM	2:00 PM	Student social activities and lunch break.
2:30 PM	3:30 PM	Presentation by the Student Union on student life on campus.
4:00 PM	6:30 PM	Meet EDU University Faculty, Advisors and Alumni.

Click to place the cursor below the table, and hit the backspace/delete key to delete the static table.



### NOTE: Special attention and warning

You will need to click below the blue guide line or your cursor will go into the table rather than below it.



Now, double-click the **School agenda** Text File Content object to place it into the design.

Scroll through some records to confirm that the text file is changing the table as expected.



### Additional information and notes

If you have a keen eye, you will notice that the Medical School agenda also changes color. This is because the text files provided are Adobe InDesign Tagged Text. uCreate Print can work with plain text, rich text (RTF), Adobe InDesign Tagged Text or XMPie's XNIP text files.

You can create Adobe InDesign Tagged Text Files by selecting text in InDesign, choosing export from the File Menu, and setting the Export Type to Adobe InDesign Tagged Text.



### Additional information and notes

Text files are considered as assets, so you should include them in the assets folder, and use the Dynamic Content menu to set the assets location.

This step was not necessary in this tutorial because the document is already using graphic assets and the asset folder was defined in an earlier tutorial.

# Module 5:

## Dynamic Print

Our dynamic template is complete. We are ready to create the output file to print. Please note that Dynamic Print is only possible with a licensed version of uCreate Print.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create print output of one or more data source records, and
- impose the output for optimized press sheet coverage.

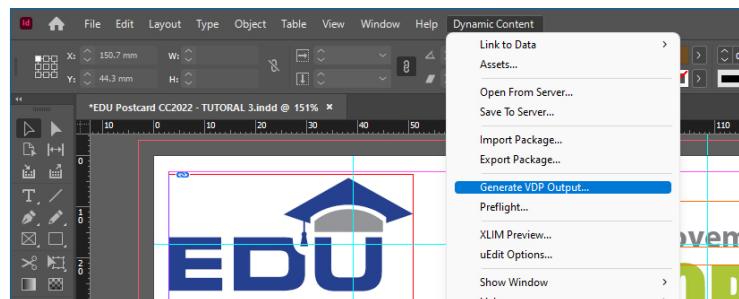
### Procedure

#### Variable data print

In this example we use default print settings to create page-by-page output for each record.

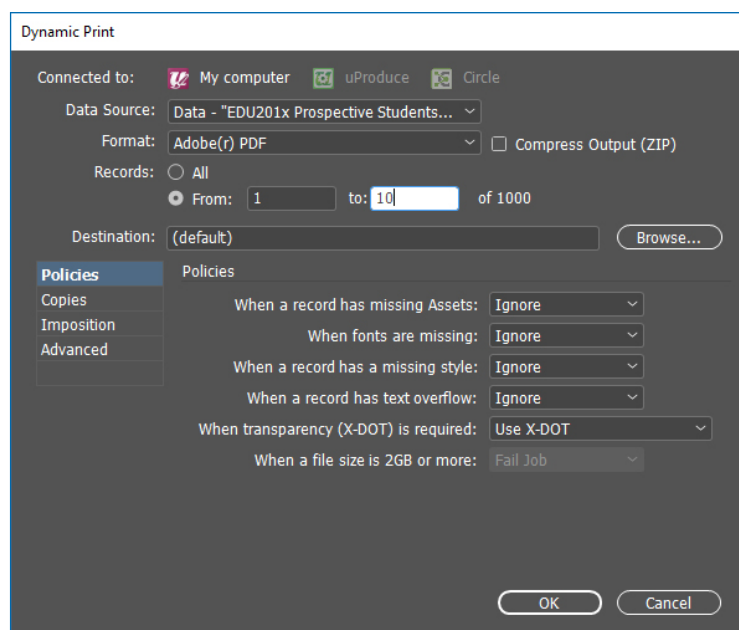


#### Step by step instructions



From the Dynamic Content menu, select **Generate VDP Output...**

If you have not already saved the document, you will be prompted to do so.



Set the output **Format** to **Adobe(r) PDF**.

Set the range of **Records** that you would like to print. I will set **1 to 10**.

Click **OK**.

You will see a dialog indicating the print production progress. After a few moments, the dialog will close and you are returned to the document.



#### Additional information and notes


For more information on other settings in the Dynamic Print dialog, refer to the uCreate Print User Guide by selecting **Help** from the Dynamic Content menu.



#### Additional information and notes

In addition to PDF, uCreate Print can output several other VDP output formats including PS, VIPP, VPS, PPML and PDF/VT-1. The best one to use will depend on your printer so you should do some tests to see which is smallest/fastest.

In the folder where your InDesign document is saved, look for a new folder called **output**. Inside the output folder, uCreate Print will create a subfolder with the current date and time and save the output file into this folder.

tutorial files > EDU-Open-House-Tutorial-4 > output > 2022_11_21_12_40_27				
Name	Date modified	Type	Size	
 EDU Postcard Template4 CC2022.pdf	21/11/2022 12:40 PM	Adobe Acrobat D...	3,199 KB	



#### Additional information and notes

On the Dynamic print dialog, you can also choose to set the **Destination**. If you choose to set a destination, uCreate Print will save the output file in the folder of your choice. If you print multiple times with a custom destination, each print will overwrite any previous output file in that location.

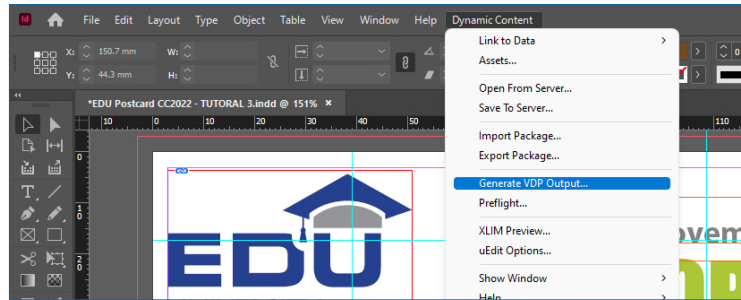


## Variable data print with imposition

In this example we output the postcards imposed to a larger sheet size with bleed and trim marks.

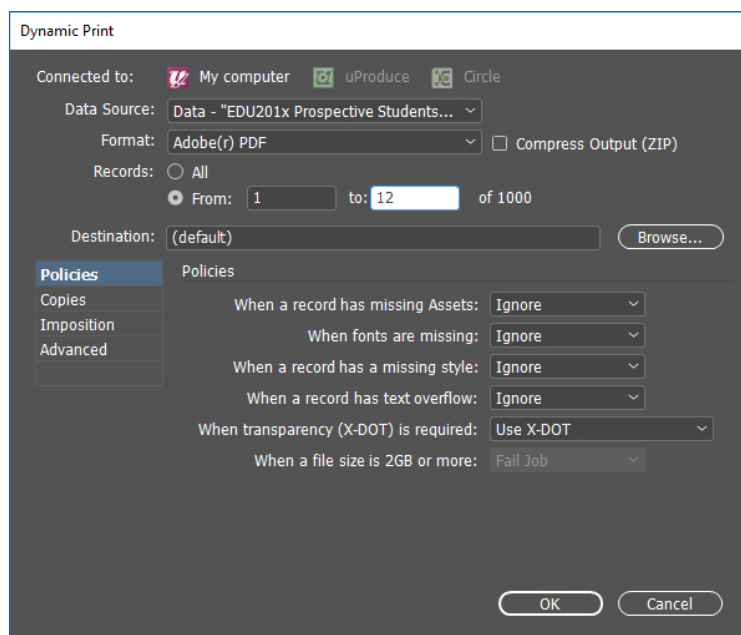


### Step by step instructions



From the Dynamic Content menu, select **Generate VDP Output...**

If you have not already saved the document, you will be prompted to do so.



Set the output **Format** to **Adobe PDF**.

Set the range of **Records** that you would like to print. I will set **From 1** and **To 12**.

Click **OK**.



**Dynamic Print**

Connected to: My computer uProduce Circle

Data Source: Data - "EDU201x Prospective Students..."

Format: Adobe(r) PDF ☐ Compress Output (ZIP)

Records: ☐ All ☒ From: 1 to: 12 of 1000

Destination: (default) Browse...

**Imposition**

Imposition Template: Step and Repeat

Sheet Size: SRA3 Landscape

Sheet Dimensions: Width: 450.003 mm Height: 320.005 mm

Page Dimensions: Width: 217 mm Height: 145 mm

Margin: Width: 2 mm Height: 2 mm

Gap: X: 0 mm Y: 0 mm

☒ Auto Calculate

Pages on Sheet: Columns: 2 Rows: 2

☒ Duplex

☒ Center Pages on Sheet

☐ Draw Page Information

☒ Draw Cut Marks: X: 3 mm Y: 3 mm

OK Cancel

Click **Imposition**.

Set **Imposition Template to Step and Repeat**.

Set **Sheet Size to SRA3 Landscape**.

Set both **Margin Width and Height to 0.08in** (or 2mm)

Check **Auto Calculate**.

Check **Duplex**.

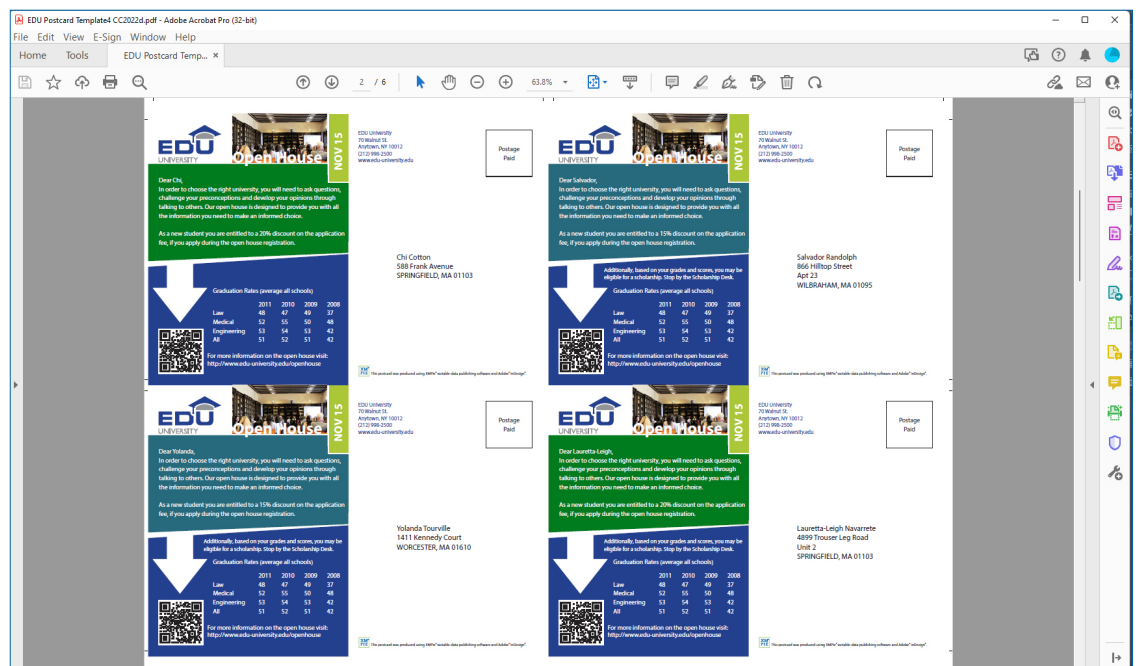
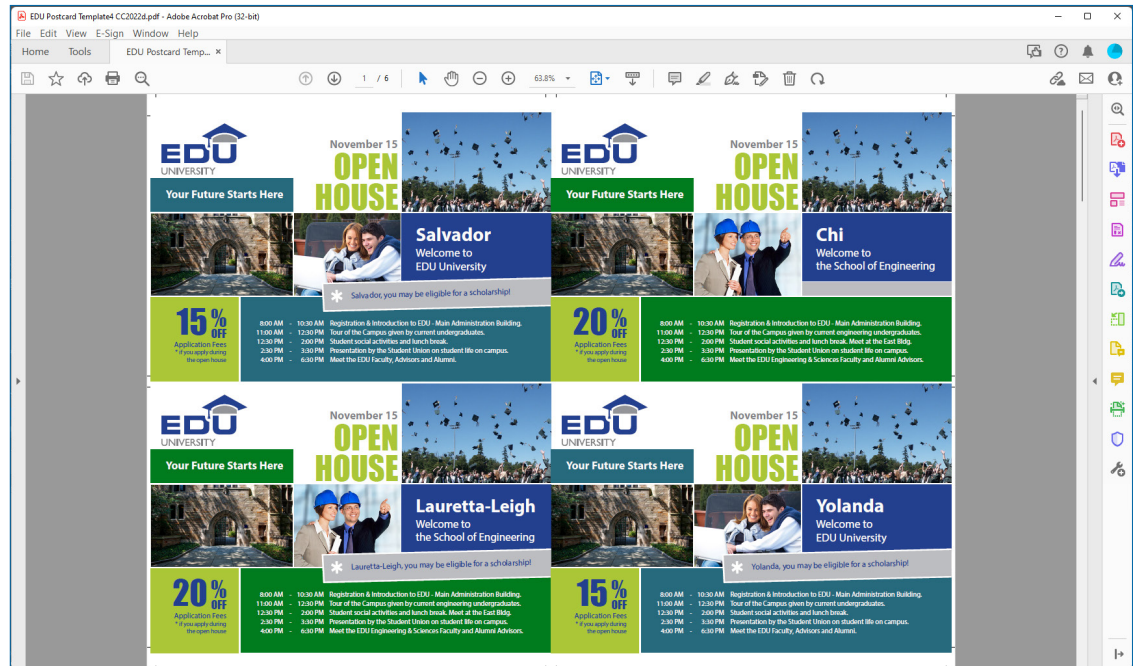
Check **Centre Pages on Sheet**.

Check **Draw Cut Marks** and enter **0.12in** (or 3mm) for both **x** and **y** values.

Click **OK**.

When production finishes, check the output folder for a second subfolder, and open the output PDF to check your work.

Samples of the first two pages of the PDF output are shown on the next page.



# Review and extra exercises

To consolidate your understanding of the topics covered in this tutorial, please answer the following review questions, and complete the additional exercises:

## Review questions

- How do you remove a Visibility Content object from a layer? (Page 15)
- .....
- Do you need to prepare your Styles before creating the Style Content object? (Page 16)
- .....
- What type of text files are supported by Text File Content objects? (Page 26)
- .....
- Text files are assets and you should set the assets folder location to use them. True or false? (Page 26) . .
- Visibility Content objects can only turn on/off InDesign Layers. True or false? (Page 15) . . . . .
- How can you create a text file that will include font style and color information? (Page 26)
- .....
- Should text file and graphic assets be named in a special way? (Page 22)
- .....

## Additional exercises

### Exercise 1

In the previous tutorial we suggested that you take an existing InDesign document used in your company (for example a business card) and create a data source in Excel or CSV to contain all the data fields necessary for the document (firstname, lastname, address, phone, fax, email, etc).

To continue the same theme, try these additional exercises:

- 1) Edit your document to include dynamic styles - for example, if the position or job title includes the word "Manager" then change the font style.
- 2) Add a second page to your document (for example a colored back page for the business card) and use a Visibility Content object to turn on or off the second page based a database value - for example, you could use the city or state database field to turn on/off the page.