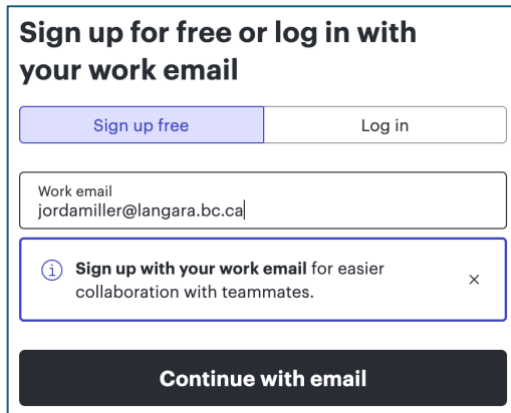


Tutorial: Lucidchart for ERDs

The purpose of this tutorial is to learn how to use **Lucidchart** to make ERDs.

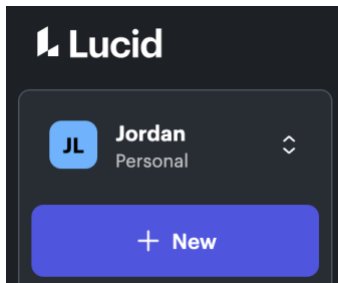
Start by signing up for a free account here: <https://www.lucidchart.com/pages>. Click **Sign up free** in the top-right corner.

Make sure the "**Sign up free**" tab is selected, and sign up with your email address:

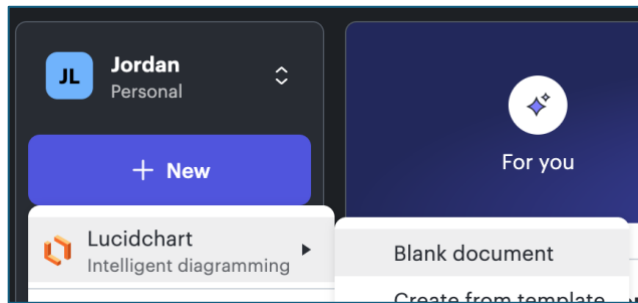
A screenshot of the Lucidchart sign-up form. At the top, it says "Sign up for free or log in with your work email". Below this are two tabs: "Sign up free" (which is highlighted in blue) and "Log in". Under the tabs is a text input field for "Work email" containing the address "jordamiller@langara.bc.ca". Below the input field is a blue-bordered box containing an information icon, the text "Sign up with your work email for easier collaboration with teammates.", and a close icon (X). At the bottom of the form is a large black button with the text "Continue with email" in white.

*Note: for this course, I think the **free** tier ought to be good enough; please don't provide your credit card in this case. If you do decide to upgrade your account to a paid tier, you are responsible for the charges.*

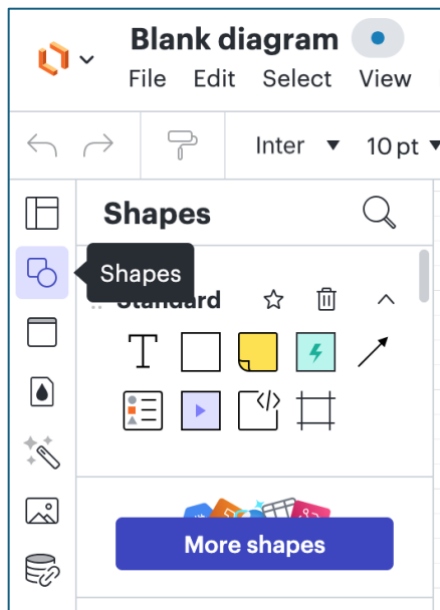
Once you've successfully logged in, click the **+ New** button to make a new diagram:



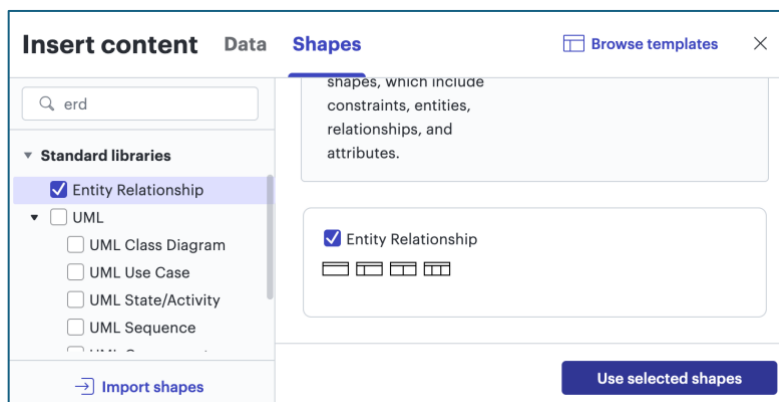
Choose Lucidchart > Blank document:



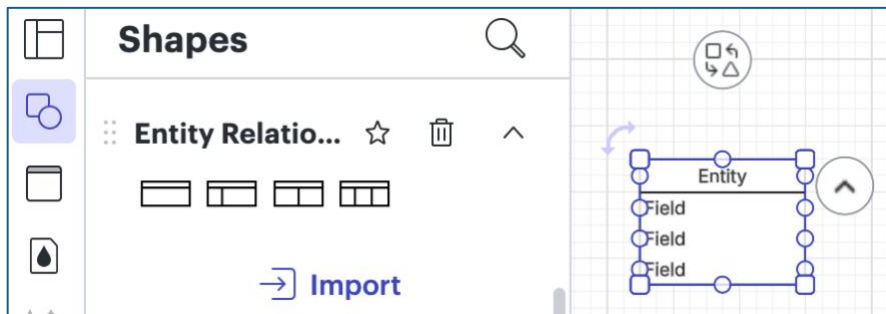
The workspace will load and a **Templates** window may pop up; you can dismiss that. In the toolbar on the left, find the **Shapes** area and click **More shapes**:



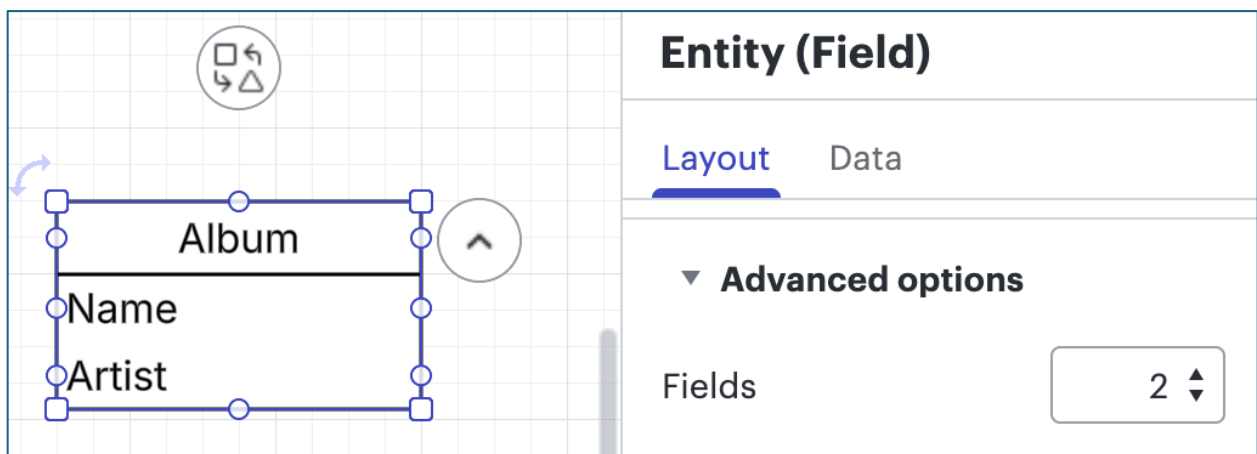
In the search bar, type "erd" and select the **Entity Relationship** checkbox. Then click **Use selected shapes**.



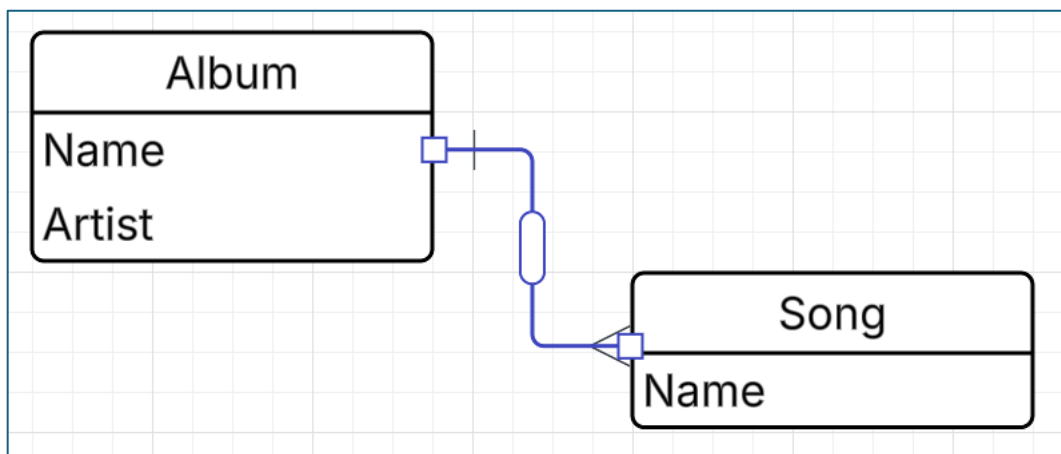
You can now click the **Entity** icon to add a new entity:



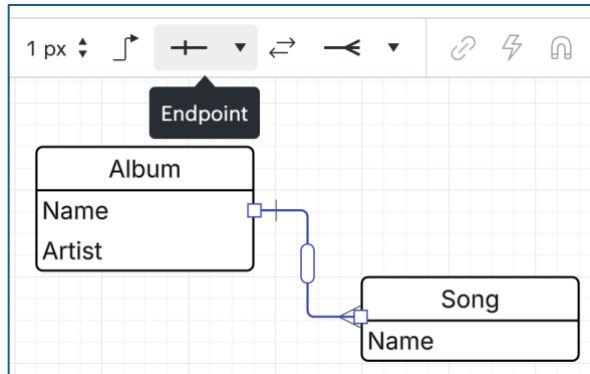
You can change the number of fields in the options panel on the right. To change the name of the entity and each field, simply double-click and type:



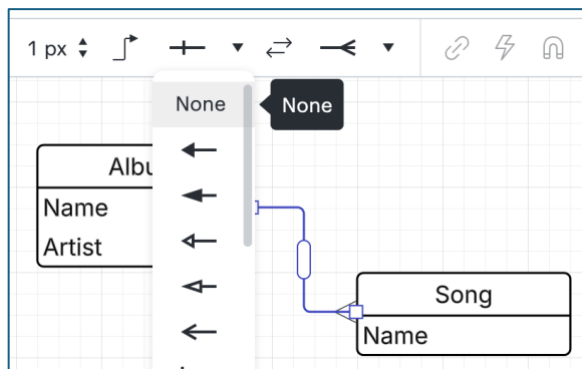
Go ahead and add one more entity so that you have two in the work area. You can draw relationships between them by hovering on a circle on the edge of the box (until the circle gets a dark fill) and dragging to the other box:



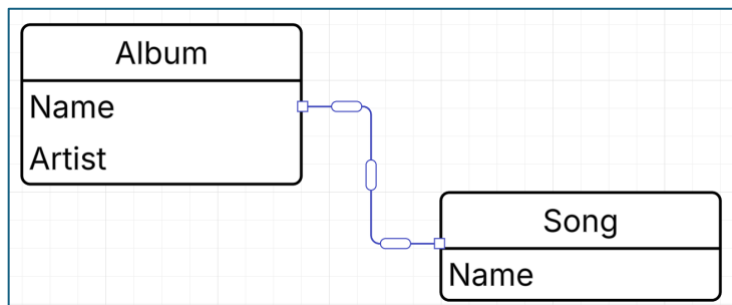
As you can see, the crow's foot notation is used by default. This is often fine, but you can use the UML notation instead if you prefer. To do this, select the connecting line and find the properties bar along the top of the workspace. You can change the **Endpoint** for each end:



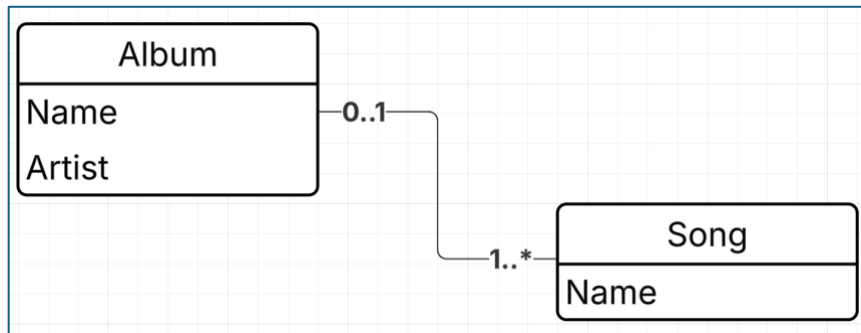
Choose **None**:



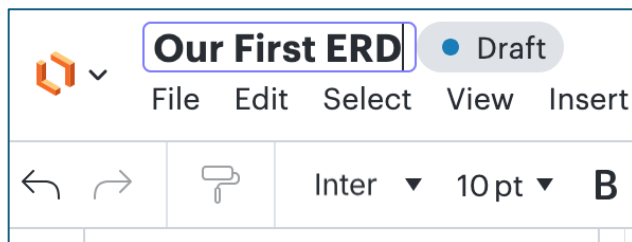
Do that for both endpoints. You can then type the multiplicities by double clicking the little pill-shaped widget on the connection line:



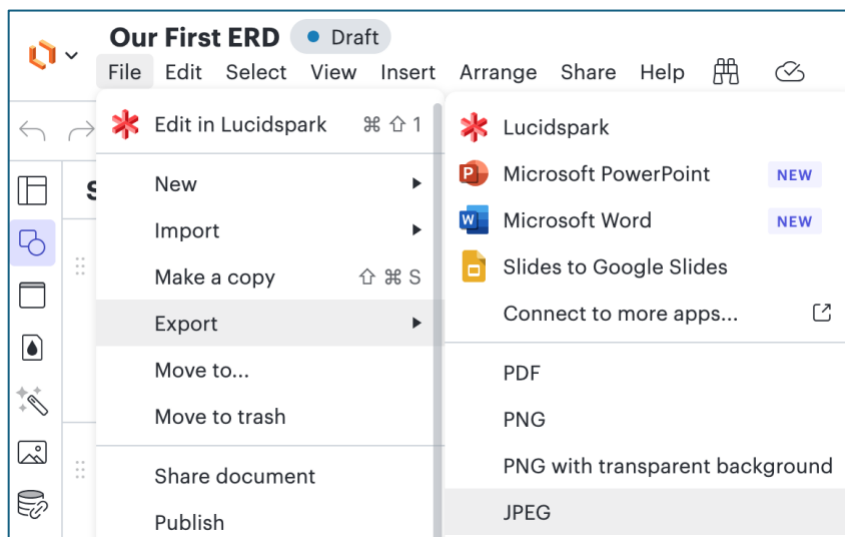
Double click, then type:



You can name your diagram in the top-left. Your documents are auto-saved.



When you're ready to export your work, you can navigate to **File > Export >** and then choose your file type:



Click **Download** on the next screen, and you're all done!