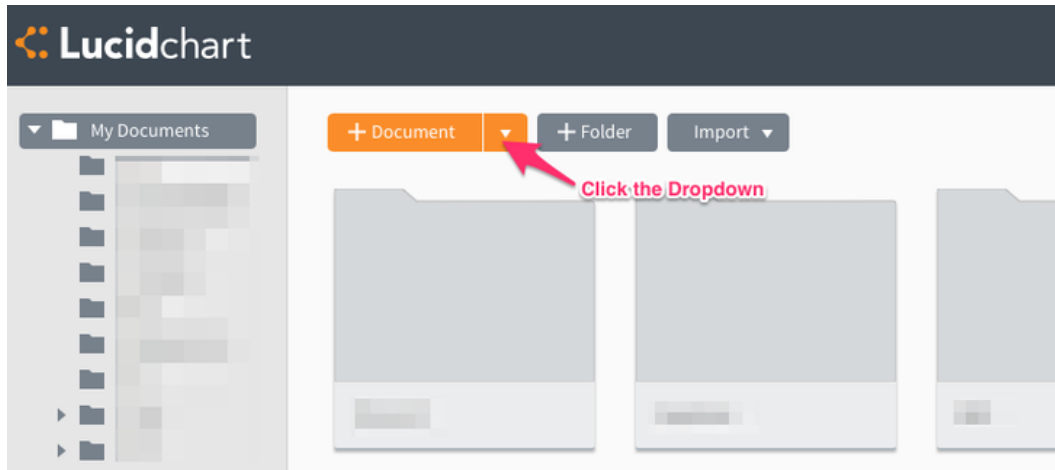


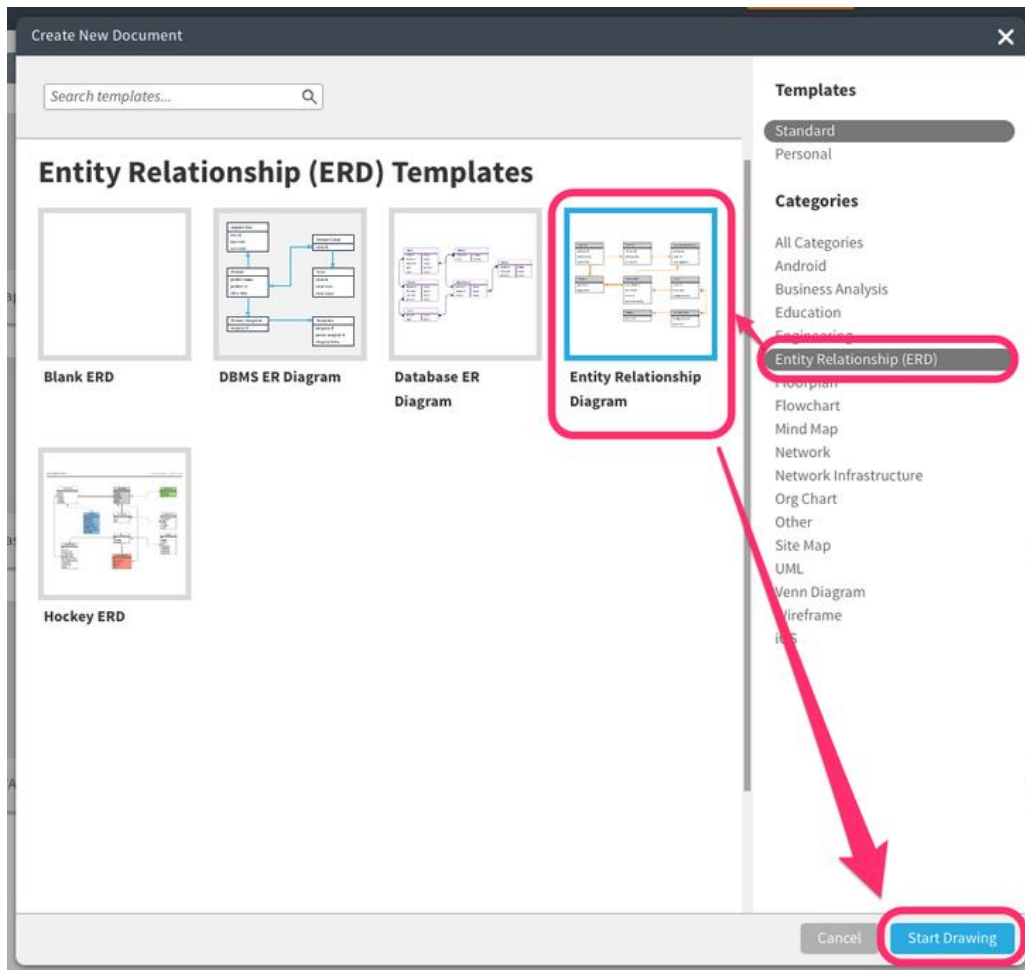
# ERD using Lucidchart

If you are not a [Lucidchart](https://www.lucidchart.com/) member, be sure to sign up **with your 'Deakin.edu.au' email address** as you will receive all features of Lucidchart for free.

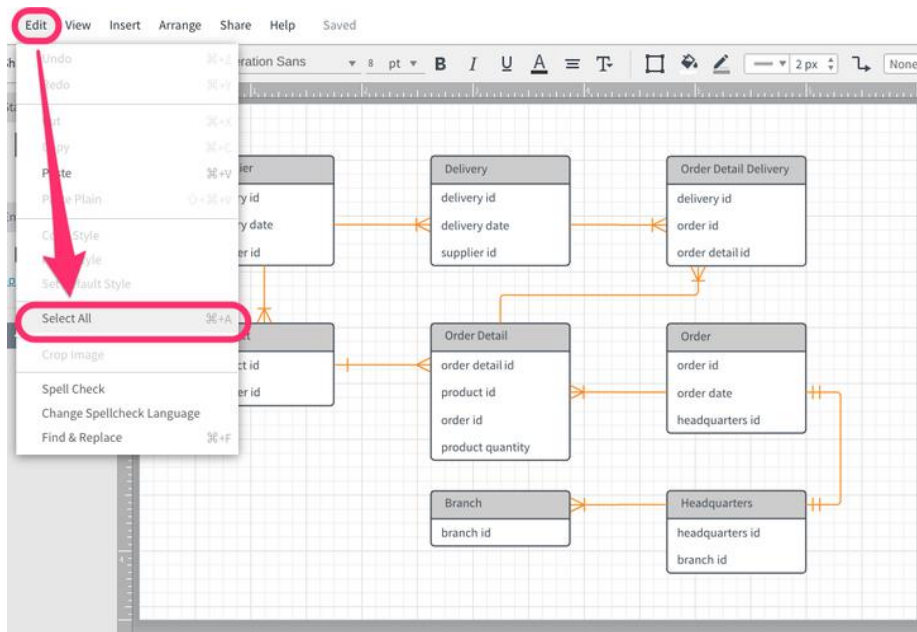
To begin, log in to Lucidchart and create a new document by clicking the dropdown arrow:



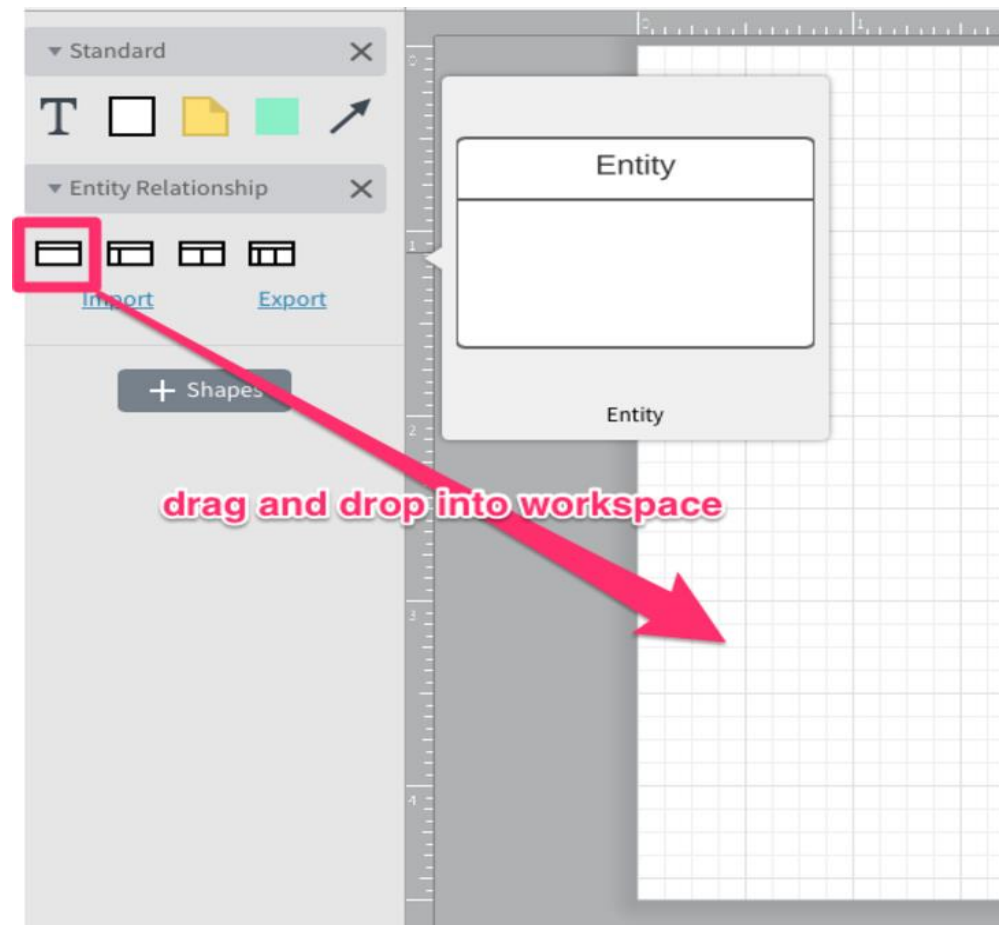
When the pop-up opens, from the list of categories, select **Entity Relationship (ERD)** then select **Entity Relationship Diagram** and click **Start Drawing**:



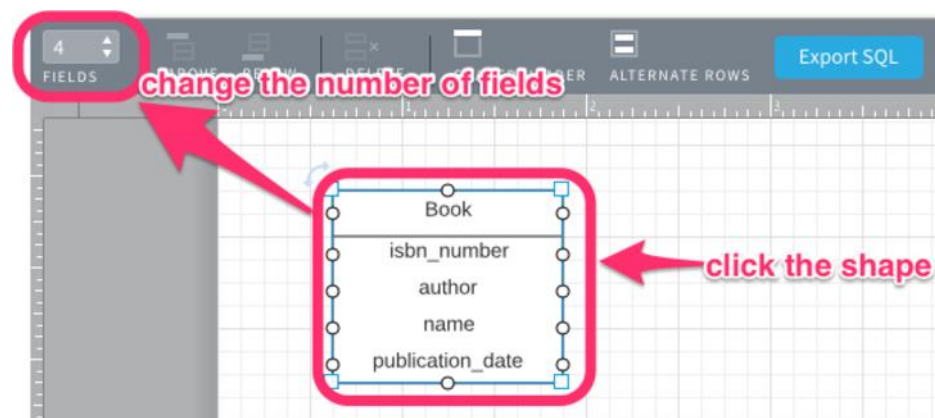
We need to remove the template shapes from the document. From the edit menu, click the **Select All** then press the **delete** key to remove the existing template shapes:



On the sidebar, you can see 'entities' are listed as the first shape under 'entity relationship'. You can **drag-and-drop** the 'entity' shape into your document.

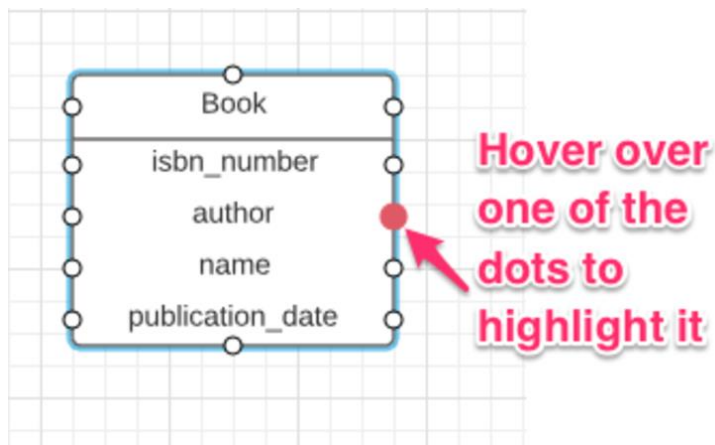
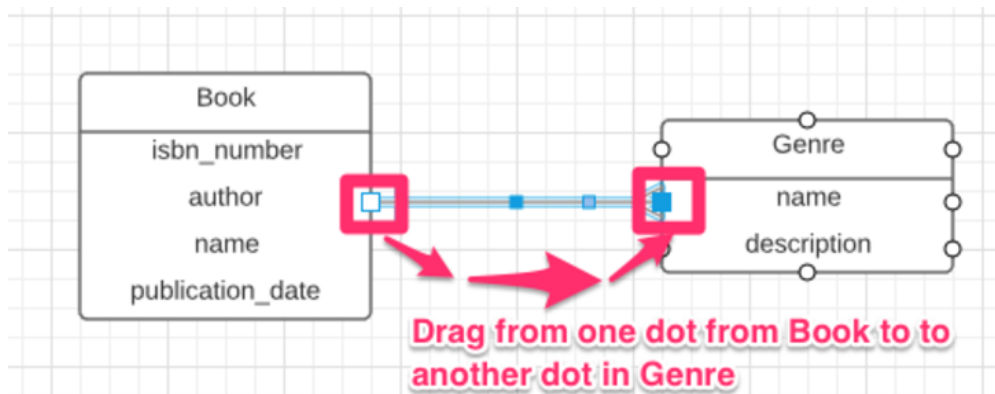


You can rename the entity and fields (or attributes as we like to call them) by **double clicking** on the 'Entity' and 'Field' text. You can add/remove the number of fields using the fields number input once you have clicked on the shape:

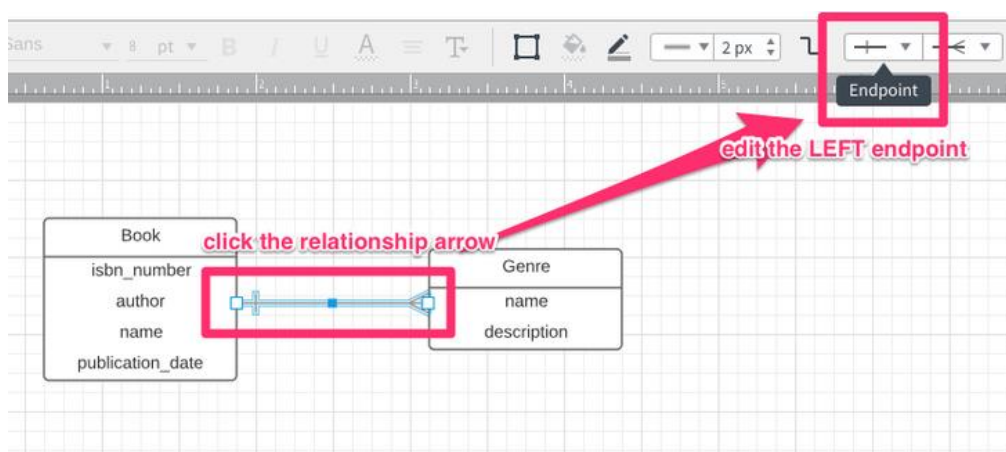


As you can see above, we have added the entity 'Book' and its associated attributes. Try adding another entity following the process above.

We can now establish a relationship between two entities by clicking on a dot on one and dragging to create a line to a dot on the other. Refer to the images below:



We need to change the cardinality of the relationship added. Click on the arrow and modify the endpoint on the left. A list of arrows will be shown in the drop down. Choose the right cardinality that you think suits this relationship.



You can also add a text to the relationship to help describe the relationship by **double-clicking** the arrow and entering text.