Database Management Systems
Lucidchart Tutorial

UNIVERSITY OF
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Outline

- Unified Modeling Language (UML) and Tools
- Drawing Database Model Diagram Using Lucidchart

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Unified Modeling Language (UML)

- UML is a general-purpose modeling language in the field of software engineering.

- It is designed to provide a standard way to visualize the design of a model.

- It was created and developed by Grady Booch, Ivar Jacobson and James Rumbaugh at Rational Software during 1994-95.

- It was adopted as a standard by the Object Management Group (OMG) in 1997, and has been managed by the OMG since.

- It was also accepted by the International Organization for Standardization (ISO) as an ISO standard in 2000.

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UML Tools

Tool	Vendor	Platform	First release	Latest release
Eclipse	Eclipse	Cross-platform (Java)	2001	2021
JetUML	JetUML	Cross-platform (Java)	2015	2021
Lucidchart	Lucid Software	Web-based	2008	2021
NetBeans	Oracle	Cross-platform (Java)	1996	2021
Rational Rhapsody	IBM	Windows, Linux, MacOS	1996	2020
Visio	Microsoft	Windows	1992	2020
Visual Paradigm	Visual Paradigm	Cross-platform (Java)	2002	2020
yEd	yWorks	Cross-platform (Java)	2007	2021

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Step 1: Go To lucidchart.com

Step 2: Log In with Google

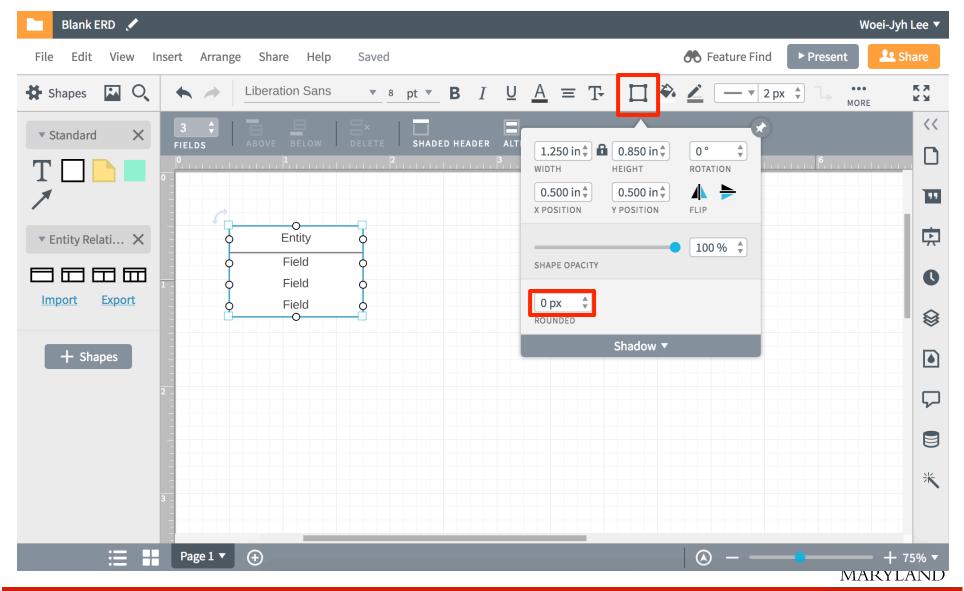# Step 3: Log In with @umd.edu Account
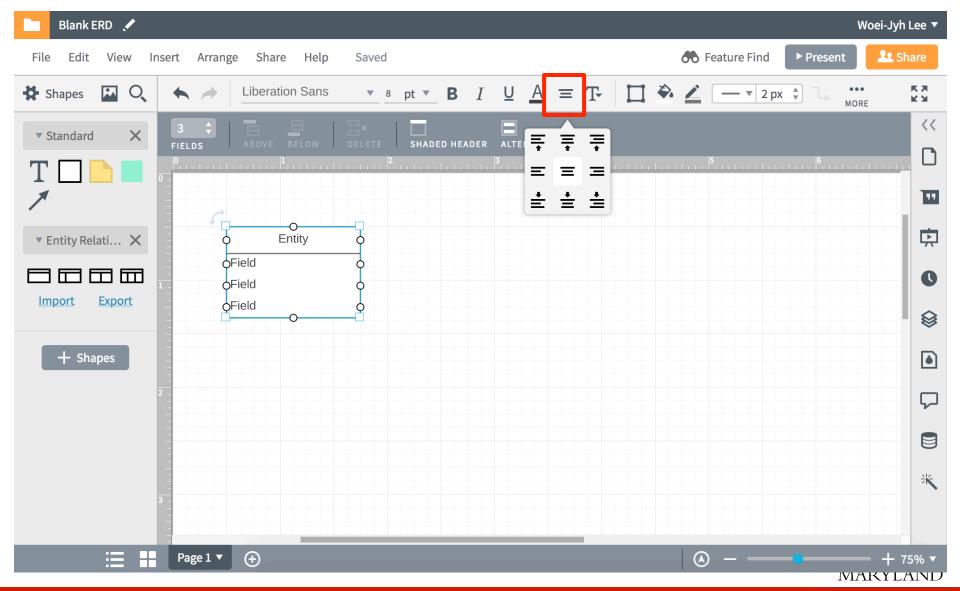
Step 4: New Blank Document
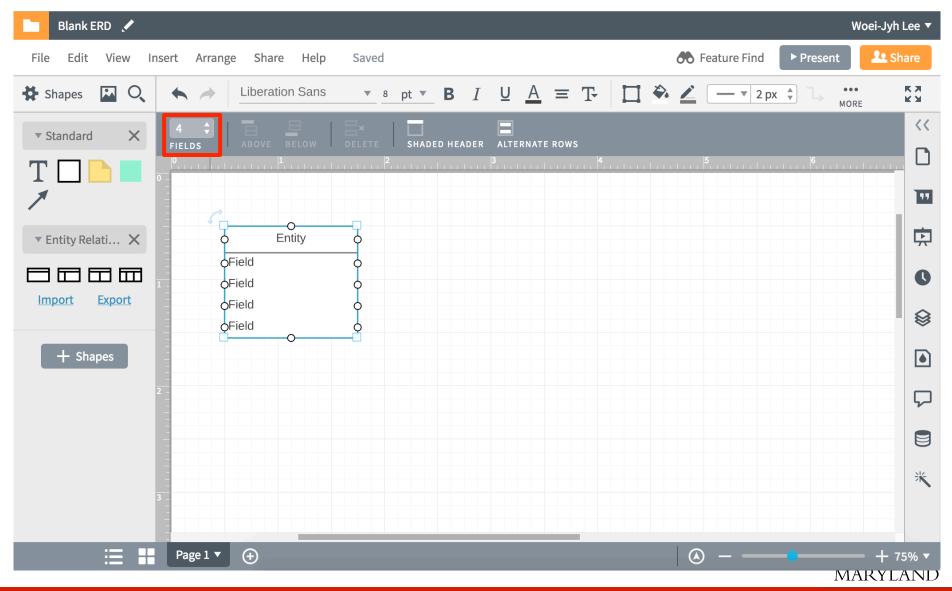
Step 5: Start Editing with More Shapes

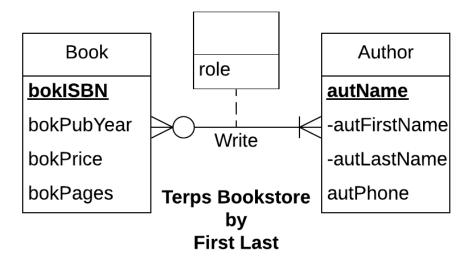# Step 6: Add Entity and Change Corners

Step 7: Change Alignments

Step 8: Adjust Number of Fields

Step 9:

1. Name entity, add attributes, mark primary key
2. Add relationship with name, set cardinalities
3. Add attribute to relationship
4. Name the diagram