Database Management Systems Lucidchart Tutorial



DR. ADAM LEE

Outline

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



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.

ROBERT H. SMITH

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

MAKILAND

Outline

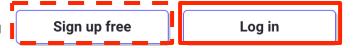
- Unified Modeling Language (UML) and Tools
- Drawing Database Model Diagram Using Lucidchart



Step 1: Go To <u>lucidchart.com</u>

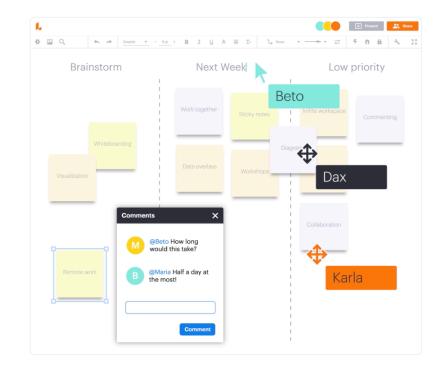
Lucidchart

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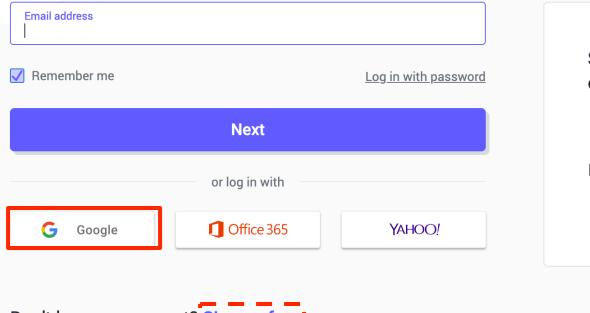


Sign up free

Step 2: Log In with Google

Lucidchart Contact Sales

Log in



Share your work via Lucidchart to enjoy:

- (Real-time collaboration
- Commenting capability
- Permission control





Step 3: Log In with @umd.edu Account



Sign in with Google



Choose an account

to continue to Lucidchart

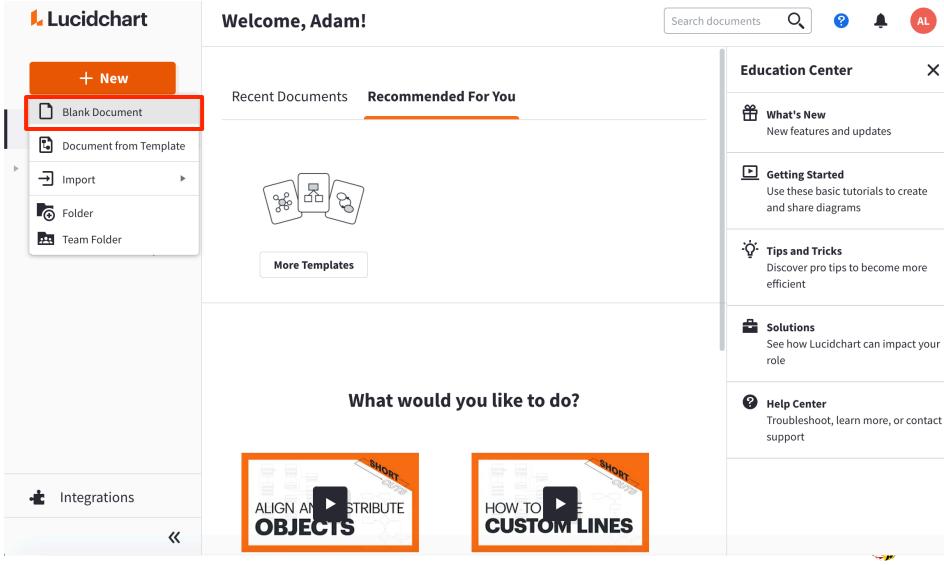


Use another account

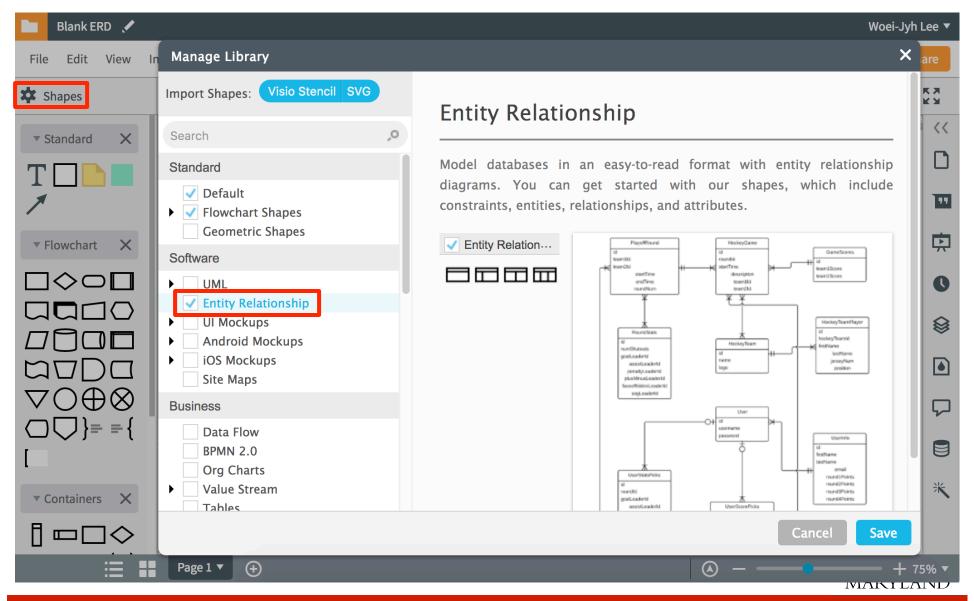
To continue, Google will share your name, email address, language preference, and profile picture with Lucidchart. Before using this app, you can review Lucidchart's privacy policy and terms of service.



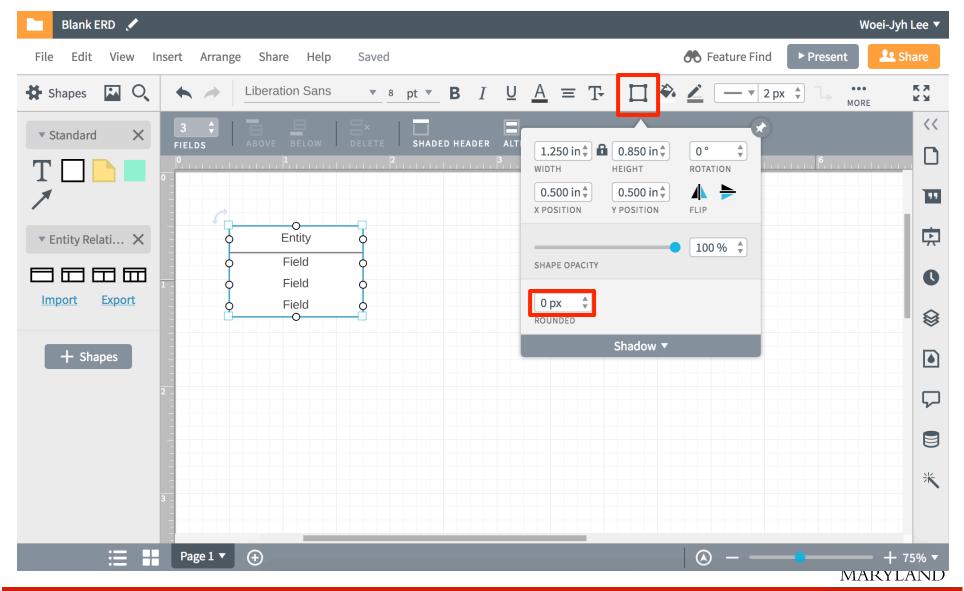
Step 4: New Blank Document



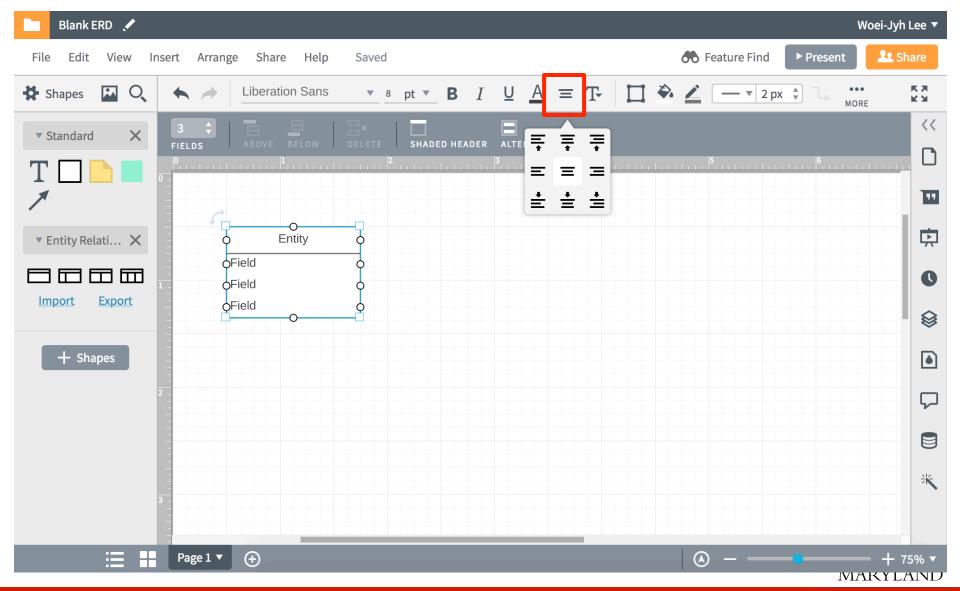
Step 5: Start Editing with More Shapes



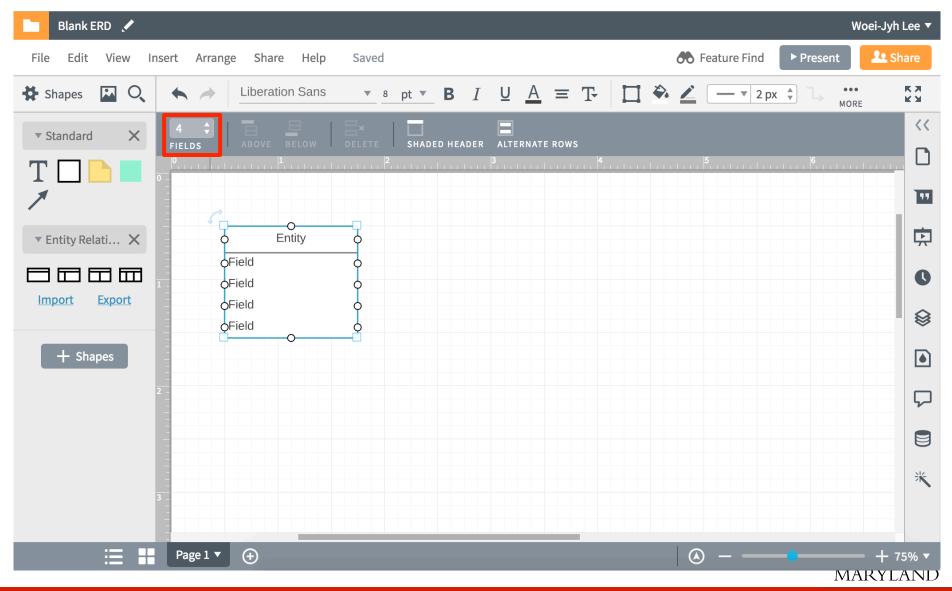
Step 6: Add Entity and Change Corners



Step 7: Change Alignments

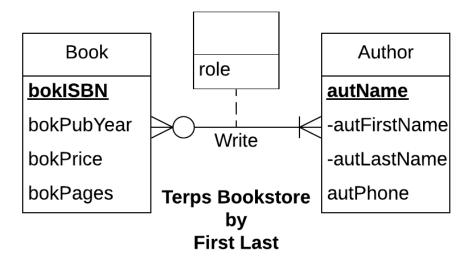


Step 8: Adjust Number of Fields



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





Lee-703-UML