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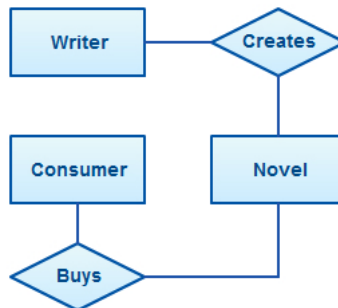
# Ultimate Guide to ER Diagrams ( Entity Relationship Diagrams )

7 March 2017

So you want to learn ER diagrams? This ER diagrams tutorial will cover their usage, history, symbols, notations and how to use our ER diagram software ([https://creately.com/ER-diagram-software?utm\\_source=ertute&utm\\_medium=blog&utm\\_campaign=tutorialposts](https://creately.com/ER-diagram-software?utm_source=ertute&utm_medium=blog&utm_campaign=tutorialposts)) to draw them. We've also added some templates for you to quickly get started.

## What is an ER diagram?

An Entity Relationship Diagram (ERD) is a visual representation of **different entities within a system and how they relate to each other**. For example, the elements writer, novel, and a consumer may be described using ER diagrams the following way:



(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/ER-Diagram-Example.jpeg>)

*ER diagram with basic objects*

They are also known as ERD's or ER models. Click on the below links if you want to learn something specific about ER diagrams.

- [History of ER diagrams](#)
- [ER Diagram Usage](#)
- [ER Diagrams Symbols and Notations](#)
- [How to Draw ER Diagrams](#)
- [ER Diagram Templates](#)
- [Benefits of ER Diagrams](#)

## History of ER Diagrams

Although data modeling has become a necessity around 1970's there was no standard way to model databases or business processes. Although many solutions were proposed and discussed none were widely adopted.

Peter Chen ([https://en.wikipedia.org/wiki/Peter\\_Chen](https://en.wikipedia.org/wiki/Peter_Chen)) is credited with introducing the widely adopted ER model in his paper "The Entity Relationship Model-Toward a Unified View of Data (<http://www.csc.lsu.edu/~chen/pdf/erd-5-pages.pdf>)". The focus was on entities and relationships and he introduced a diagramming representation for database design as well.

His model was inspired by the data structure diagrams introduced by Charles Bachman. One of the early forms of ER diagrams, Bachman diagrams are named after him.

For a detailed history of ER diagrams and the evaluation of data modeling, refer this article (<http://www.dataversity.net/a-short-history-of-the-er-diagram-and-information-modeling/>).

## ER Diagrams Usage

What are the uses of ER diagrams? Where are they used? Although they can be used to model almost any system they are primarily used in the following areas.

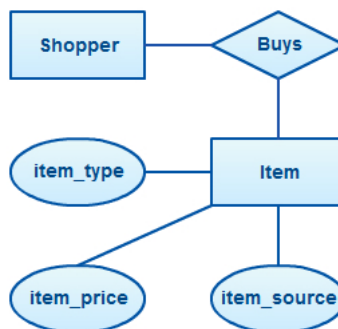
### ER Models in Database Design

They are widely used to design relational databases. The entities in the ER schema become tables, attributes and converted the database schema. Since they can be used to visualize database tables and their relationships it's commonly used for database troubleshooting as well.

### ER diagrams in software engineering

Entity relationship diagrams are used in software engineering during the planning stages of the software project. They help to identify different system elements and their relationships with each other. It is often used as the basis for data flow diagrams or DFD's as they are commonly known.

For example, an inventory software used in a retail shop will have a database that monitors elements such as purchases, item, item type, item source and item price. Rendering this information through an ER diagram would be something like this:

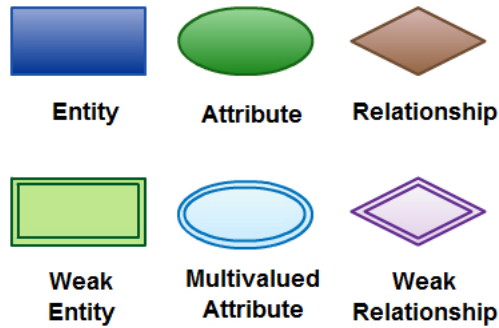


(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/ER-Diagram-Example-2.jpeg>)

*ER diagram example with entity having attributes*

In the diagram, the information inside the oval shapes are attributes of a particular entity.

## ER Diagram Symbols and Notations



(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/ER-Diagram-Elements.jpeg>)

*Elements in ER diagrams*

There are three basic elements in an ER Diagram: entity, attribute, relationship. There are more elements which are based on the main elements. They are weak entity, multi valued attribute, derived attribute, weak relationship, and recursive relationship. Cardinality and ordinality are two other notations used in ER diagrams to further define relationships.

## Entity

An entity can be a person, place, event, or object that is relevant to a given system. For example, a school system may include students, teachers, major courses, subjects, fees, and other items. Entities are represented in ER diagrams by a rectangle and named using singular nouns.

## Weak Entity

A weak entity is an entity that depends on the existence of another entity. In more technical terms it can be defined as an entity that cannot be identified by its own attributes. It uses a foreign key combined with its attributed to form the primary key. An entity like order item is a good example for this. The order item will be meaningless without an order so it depends on the existence of the order.

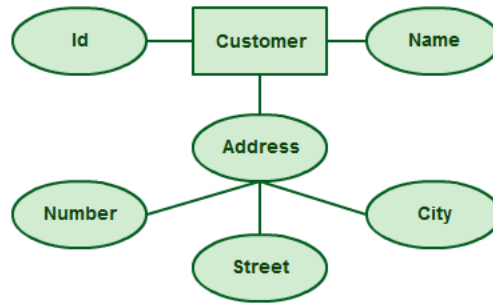


(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/weak-entity-ER-diagrams.jpeg>)

*Weak Entity Example in ER diagrams*

## Attribute

An attribute is a property, trait, or characteristic of an entity, relationship, or another attribute. For example, the attribute Inventory Item Name is an attribute of the entity Inventory Item. An entity can have as many attributes as necessary. Meanwhile, attributes can also have their own specific attributes. For example, the attribute "customer address" can have the attributes number, street, city, and state. These are called composite attributes. Note that some top level ER diagrams do not show attributes for the sake of simplicity. In those that do, however, attributes are represented by oval shapes.



(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/Attributes-ER-Diagrams.jpeg>)

*Attributes in ER diagrams, Note that an attribute can have its own attributes ( composite attribute )*

## Multivalued Attribute

If an attribute can have more than one value it is called a multi valued attribute. It is important to note that this is different to an attribute having its own attributes. For example, a teacher entity can have multiple subject values.

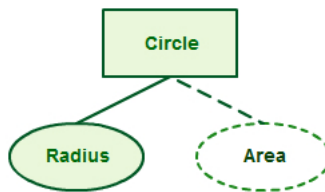


(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/Multivalued-Attribute-ER-Diagrams.jpeg>)

*Example of a multivalued attribute*

## Derived Attribute

An attribute based on another attribute. This is found rarely in ER diagrams. For example, for a circle, the area can be derived from the radius.



(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/Derived-Attribute-ER-Diagrams.jpeg>)

*Derived Attribute in ER diagrams*

## Relationship

A relationship describes how entities interact. For example, the entity "Carpenter" may be related to the entity "table" by the relationship "builds" or "makes". Relationships are represented by diamond shapes and are labeled using verbs.

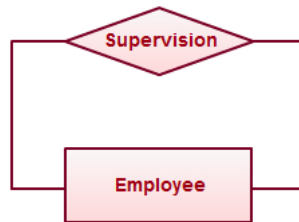


(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/Relationship-ER-diagrams.jpeg>)

*Using Relationships in Entity Relationship Diagrams*

## Recursive Relationship

If the same entity participates more than once in a relationship it is known as a recursive relationship. In the below example an employee can be a supervisor and be supervised, so there is a recursive relationship.



(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/Recursive-Relationship-ER-Diagrams.jpeg>)

*Example of a recursive relationship in ER diagrams*

## Cardinality and Ordinality

These two further defines relationships between entities by placing the relationship in the context of numbers. In an email system, for example, one account can have multiple contacts. The relationship, in this case, follows a "one to many" model. There are a number of notations used to present cardinality in ER diagrams. Chen, UML, Crow's foot, Bachman are some of the popular notations. Creately (<https://creately.com>) supports Chen, UML and Crow's foot notations. The following example uses UML to show cardinality.



(<https://d3n817fwly711g.cloudfront.net/blog/wp-content/uploads/2012/03/Cardinality-ER-Diagrams.jpeg>)

*Cardinality in ER diagrams using UML notation*

## How to Draw ER Diagrams

Below points show how to go about creating an ER diagram.

1. **Identify all the entities** in the system. An entity should appear only once in a particular diagram. Create rectangles for all entities and name them properly.
2. **Identify relationships** between entities. Connect them using a line and add a diamond in the middle describing the relationship.
3. **Add attributes** for entities. Give meaningful attribute names so they can be understood easily.

Sounds simple right? In a complex system, it can be a nightmare to identify the relationships. This is something you'll perfect only with practice.

## ER Diagram Best Practices

1. Provide a precise and appropriate name for each entity, attribute, and relationship in the diagram. Terms that are simple and familiar always beats vague, technical-sounding words. In naming entities, remember to use singular nouns. However,

adjectives may be used to distinguish entities belonging to the same class (part-time employee and full-time employee, for example). Meanwhile attribute names must be meaningful, unique, system-independent, and easily understandable.

2. Remove vague, redundant or unnecessary relationships between entities.
3. Never connect a relationship to another relationship.
4. Make effective use of colors. You can use colors to classify similar entities or to highlight key areas in your diagrams.

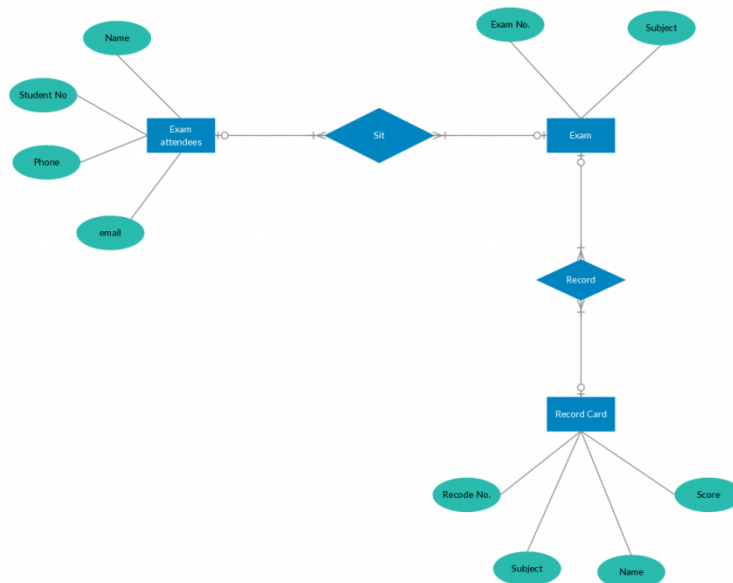
## Drawing ER Diagrams Using Creately

You can draw entity relationship diagrams manually, especially when you are just informally showing simple systems to your peers. However, for more complex systems and for external audiences, you need diagramming software such as Creately's to craft visually engaging and precise ER diagrams. The ER diagram software ([https://creately.com/ER-diagram-software?utm\\_source=ertute&utm\\_medium=blog&utm\\_campaign=tutorialposts](https://creately.com/ER-diagram-software?utm_source=ertute&utm_medium=blog&utm_campaign=tutorialposts)) offered by Creately as an online service is pretty easy to use and is a lot more affordable than purchasing licensed software. It is also perfectly suited for development teams because of its strong support for collaboration.

## ER Diagram Templates

Below are some ER diagram templates so you can get started quickly. Clicking on the image and in the new page that opens click the "Use as Template" button. For more templates check our [ER diagram templates section](https://creately.com/diagram-community/popular/t/erd?utm_source=ertute&utm_medium=blog&utm_campaign=tutorialposts)

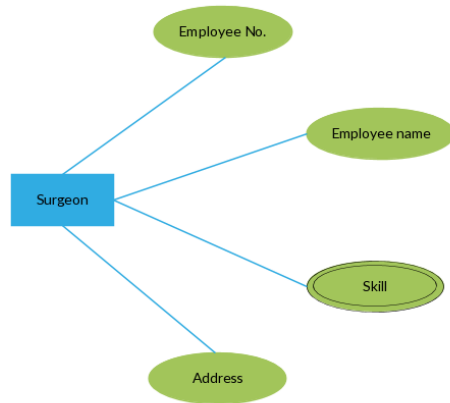
([https://creately.com/diagram-community/popular/t/erd?utm\\_source=ertute&utm\\_medium=blog&utm\\_campaign=tutorialposts](https://creately.com/diagram-community/popular/t/erd?utm_source=ertute&utm_medium=blog&utm_campaign=tutorialposts)).



(<https://creately.com/diagram/example/gsv8l5hs2/Exam+Database>)

*ER Diagram Template of exam database ( Click on the image to use as template )*

A basic ER diagram template for a quick start



(<https://creately.com/diagram/example/gstx57ng2/Database+of+a+Surgeon>)

*Basic ER Diagram template ( Click to use as template )*

## Benefits of ER diagrams

ER diagrams constitute a very useful framework for creating and manipulating databases. First, ER diagrams are easy to understand and do not require a person to undergo extensive training to be able to work with it efficiently and accurately. This means that designers can use ER diagrams to easily communicate with developers, customers, and end users, regardless of their IT proficiency. Second, ER diagrams are readily translatable into relational tables which can be used to quickly build databases. In addition, ER diagrams can directly be used by database developers as the blueprint for implementing data in specific software applications. Lastly, ER diagrams may be applied in other contexts such as describing the different relationships and operations within an organization.

## Feedback on ER Diagrams Tutorial

I've done my best to cover all you need to know about ER diagrams. If you think I've missed some part make sure to mention that in the comments sections. It's a good place to ask questions too. If a question is asked frequently I will add it to the frequently asked questions section.

## References

1. Entity-relationship model as published on Wikipedia. ([http://en.wikipedia.org/wiki/Entity-relationship\\_model](http://en.wikipedia.org/wiki/Entity-relationship_model))
2. Entity Relationship Diagram by Mike Chapple as published on the About.com website (<http://databases.about.com/cs/specificproducts/g/er.htm>)
3. Entity-Relationship Modelling by Craig Borysowich as published on the Toolbox.com website (<http://it.toolbox.com/blogs/enterprise-solutions/entityrelationship-modelling-14336>)

Entity relationship diagrams (<https://creately.com/blog/tag/entity-relationship-diagrams/>)

ER diagram symbols (<https://creately.com/blog/tag/er-diagram-symbols/>)

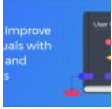
ER diagram tutorial (<https://creately.com/blog/tag/er-diagram-tutorial/>)

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## Author

**Nishadha**

Software engineer turned tech evangelist. I handle marketing stuff here at Creately including writing blog posts and handling social media accounts. In my spare time I love to read and travel. Check out my personal blog Rumbling Lankan (<http://rumblinglankan.com>) where I write about online marketing stuff.

[View all posts by Nishadha → \(https://creately.com/blog/author/nish/\)](https://creately.com/blog/author/nish/)

## Comments

### Vish

Very nice detailed description except for the cardinality part. If that can also be elaborated a little, then it can be the best place to learn ERDs.

03.10.2017 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-52629>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=52629#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=52629#respond)

### Niraj

If I have big er diagram which can not plot in one page what should I have to do??

12.01.2017 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-50479>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=50479#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=50479#respond)

### Amanda

Hi Niraj, when publishing large diagrams, you can use the Creately viewer to do so. You can get the diagram embed code via the Publish tab. For more information refer <https://creately.com/blog/creately/the-new-creately-viewer/>

09.10.2017 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-52688>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=52688#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=52688#respond)



**Priscilla**

this explanation is very good and fairly easy to understand. I might have to review Cardinality and Ordinality once or twice more but the rest was very concise and clear. Thank you.

19.10.2016 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-49691>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49691#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49691#respond)

**Lakna Madurani**

it is very important to me.....tnx

03.09.2016 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-49333>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49333#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49333#respond)

**Amith Nischal**

Hi Nishadha,

Explanation is so good and easily understandable. I have some doubts. I've taken a DBMS-1 course in my Master's and my professor taught me ERD differently. For relationships he used triangle, not a diamond. In cardinality he didn't use UML, Chen or Crow's foot notations. He used some thing different, like Thick lines, thin lines, one-sided arrows etc. Could you help me to figure out what notations are those and also I am curious enough to know which notation is used widely. Please help me with this.

Thanks.

21.08.2016 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-49215>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49215#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49215#respond)

**Yusuph Khamis**

Nice explanation....simple and understandable

Yusuph Khamis Pius from TANZANIA

11.05.2016 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-48394>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=48394#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=48394#respond)

**Leonard Wartovo**

Thank you. This is understandable!

13.02.2016 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-47569>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=47569#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=47569#respond)

**Amad**

Really very nice & helpful article. this is really nice diagrams tutorial you did good job Thank you

05.06.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-45648>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=45648#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=45648#respond)

**Ali Ahmadi**

Very very Nice tutorial Thank you Very Much.

I'd a Question: Which kind of Attribute is the **Date**?

26.05.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-45559>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=45559#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=45559#respond)

**sudhansu**

\*\*\*\*\*very nice \*\*\*\*\*thank you\*\*\*\*\*

09.05.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-45407>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=45407#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=45407#respond)

**Priyanka**

It's Really Useful thank you..

06.05.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-45378>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=45378#respond>)

**Angela Vaughn**

This was a great explanation of ERD. I'm currently taking a class a database concepts class at University of Phoenix. The details describe here was clear, and will help me with my assignments. Thank you! 😊

23.03.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-44999>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=44999#respond>)

**Asvitha**

Got satisfied with what is needed.Thank you.

03.03.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-44770>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=44770#respond>)

**Deepika**

very nice!!!! esay to understand.Really nice article.Thanks!!!! keep doing this it will be very helpfull....

21.01.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-44578>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=44578#respond>)

**Faizal**

Thanks sir for your share. alhamdulillah ur explanation just simple n great. A week on understanding the lecturer but still blur.juz read your in 5 min the thing be cleared

13.12.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-44328>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=44328#respond>)

**sushma**

A unique blog as your name ... Very simple and easy.. relevant examples !! keep up the good work .....

10.10.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-43720>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43720#respond>)

**Dzinai she**

Best explanation of E R Diagrams i have met so far. Good job Nishada

02.09.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-43446>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43446#respond>)

**Nishadha (<http://rumblinglankan.com>)**

Thanks Dzinai she. Glad you like it. Feel free to tweet and share it across social networks.

02.09.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-43449>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43449#respond>)

**Sheela**

Thanks for the post. Very good explanation. Good color highlights to explain the diagrams.

25.08.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-43387>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43387#respond>)

**Nishadha** (<http://rumblinglankan.com>)

Thanks Sheela, Glad you enjoyed it.

26.08.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-43395>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43395#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43395#respond)

**Samarjeet**

Great learning. Keep up the good work

21.08.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-43355>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43355#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43355#respond)

**vlc**

Never seen this notation before... everything looks like 1:1 ... mixes attribute relations, entity relations, and verbs. Anyway.. at least it is a notation.

12.08.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-43300>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43300#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=43300#respond)

**Umair**

exellent explanation for ER diagram.....

25.06.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42887>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42887#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42887#respond)

**khilji**

if this is ERD then what will be DFD

just check r u talking about ERD or DFD

11.06.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42813>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42813#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42813#respond)

**Dimitar**

A gud tut.....big up.....From Kenya

20.05.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42694>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42694#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42694#respond)

**Mustafa**

Good definition,that a ER diagram may has.

13.05.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42644>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42644#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42644#respond)

**Kacharagadla** (<http://www.about.me/kacharagadla>)

It is really ultimate explanation. Thanks to creately.com team.

10.05.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42630>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42630#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42630#respond)

**Gagan**

Thank you sooo much for this blog. It really helps me a lot to create ER Diagram for my project. Well Explained 😊

08.05.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42619>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42619#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42619#respond)

**Amritpal**

Awesome guide for ERD, i understand a lot of about creating a good erds in half hour.

appreciated from heart.

08.05.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42618>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42618#respond>)

**shayankhan**

here we gain lots of info thank dude by making this such type of articles .....really appreciated

24.04.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42463>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42463#respond>)

**zulekha khan**

Well explained.... So help full....

14.04.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42338>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42338#respond>)

**musa**

thanks a lot Nishada, I benefited a lot from your staff. May God reachly bless you. Amen

11.04.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42317>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42317#respond>)

**Haritha**

Many readers will be benefiting from your blog. Thanks for listing the ERP Diagrams which is necessary software for businesses. Thanks for sharing such a useful diagrams list..

09.04.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42299>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42299#respond>)

**tkmd**

i am a teacher trainee of ict thank you v,much

08.04.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42289>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42289#respond>)

**Abraham Dinakaran**

Good . I need learning materials on UML stuffs for handling and guiding projects for students

08.04.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42287>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42287#respond>)

**usha**

A Supplier located in only one city supplies various parts for the project to different companies located in various cities. Draw the "E-R" for the supplier and parts database.

can i get the ER diagram for this

20.03.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42149>) - reply (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42149#respond>)

**sejal khunt**

hi i am student of b.c.a 6th sem. ,i can't draw ER diagram for my project website.in my project i have 4 database tables so, how i creat ER diagram

14.03.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42111>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42111#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42111#respond)

**pakistani**

bhenchod indian kutte da puttar

05.03.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42030>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42030#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42030#respond)

**leila**

thank you...verry well...leila from iran

03.03.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-42014>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42014#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=42014#respond)

**RAM GITE**

VERY NICE THIS EXPLANATION , I LIKE ITS SIMPLE SOLUTION THANK U .....

04.02.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41853>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41853#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41853#respond)

**Nana parkhe**

The author explained the ER model in a simple & understandable language.

28.01.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41805>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41805#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41805#respond)

**prakash**

Thank you so much sir.. Its very usefull for me..

23.01.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41775>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41775#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41775#respond)

**Isuru Prasad**

Dear sir thank you for this. today is my exam. i did not knw anything about ER diagram. i guess i can write nicely for exam to. thank u again

22.01.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41758>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41758#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41758#respond)

**jessy**

thank you so much for the information...

20.01.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41743>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41743#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41743#respond)

**Swapnil**

Very descriptive and useful article. Helped me for my SE project.

15.01.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41718>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41718#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41718#respond)

**Neha**

Can someone please explain all the notations used in er diagram?

13.01.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41709>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41709#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41709#respond)

**anony**

really helpfull thanks! 😊

04.01.2014 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41645>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41645#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41645#respond)

**Jamal**

What about the tables in a database which are not interrelated? How to show ER diagram of a complete database with few related tables and few other non-related tables. It's not necessary that each and every table in a database is interrelated.

24.12.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41583>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41583#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41583#respond)

**Haroon**

It is good to understand!

17.12.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41537>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41537#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41537#respond)

**manal nazeer** (<https://creately.com/blog/diagrams/er-diagrams-tutorial/>)

I am impressed how easily he described erd and relations easily. God bless you

27.11.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41405>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41405#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41405#respond)

**Hosein**

Hi

I want draw a ERD of website news?

25.11.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41388>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41388#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41388#respond)

**raphael lenarisiolo**

Good explanation for ER-Diagrams, it really helped me in my examination.

21.11.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41348>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41348#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41348#respond)

**ritu jain**

We cannot get a proper chart so elaborate these sites more

14.11.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41306>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41306#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41306#respond)

**shereenzaman**

Good example of ERD

07.11.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41268>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41268#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41268#respond)

**Jaison**

good .u can also draw the attributes from the entity tablle as a little ballon , on top of the ballon u can write the entity names.

07.11.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41267>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41267#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41267#respond)

**DANCAN**

very very nice article. really helped me out.. . .

30.10.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41227>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41227#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41227#respond)

**saroj dongol**

Great Tutorial... Love it

25.10.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41211>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41211#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41211#respond)

**Virtue**

the most good and easy to understand explanation,thank you....

23.10.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41200>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41200#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41200#respond)

**SR Sharma (<https://creately.com>)**

good explanation and its very useful  
thanx

20.10.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41190>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41190#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41190#respond)

**Frances**

Thank you so much. Your explanation made my module easy for me 😊

19.10.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41186>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41186#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41186#respond)

**ANAND**

its very good n very easy to understand

07.10.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41141>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41141#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41141#respond)

**asghar khan**

thanxs...very simple and easy to understand...

01.10.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41119>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41119#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41119#respond)

**Prashant**

You can add relationship sets between two entities after you are done making entity sets right ?

09.09.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41033>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41033#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41033#respond)

**Sijovw**

Thanks dear. but i also need to know about the 'arrow headed line' and 'double lines' . Can we use arrow heads in ER diagrams? If it is, then how?

31.08.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-41005>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41005#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=41005#respond)

**Chow**

Very clearly explained 😊

27.08.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40994>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40994#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40994#respond)

**pavi**

this is very useful for the students 😊

16.08.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40972>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40972#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40972#respond)

**Nupur**

CooooOL.. TotALLy RoCKs'..

04.08.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40962>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40962#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40962#respond)

**suthakaran gobal**

Best explanation for beginners !

02.08.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40959>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40959#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40959#respond)

**Zaharaddeen Elhassan**

thanks , excellent explanation, simple English and easy to understand

26.07.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40951>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40951#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40951#respond)

**radhika**

good description for ER diagrams...

14.07.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40939>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40939#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40939#respond)

**getinet**

add more related examle but the other thing is good i think

20.06.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40892>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40892#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40892#respond)

**Rohan Nagpal**

I required this for my dbms exam in the morning. This article is so well explained enough for a one legged man to run a marathon. Thank you dear editor.

12.06.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40881>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40881#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40881#respond)



**Sandeep Patel**

hello

what we can show relationship of PK and FK using ER Diagram..???

13.05.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40844>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40844#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40844#respond)

**Rajiv**

Thanks for such a nice explanation\

04.05.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40816>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40816#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40816#respond)

**thyagaraj**

Im new to dbms....i got help from ur article,,,thanku so much

04.05.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40815>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40815#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40815#respond)

**draherbal**

with a diagram can be seen apparently from one component to the other components of related this way will be easier for people to understand the meaning

04.05.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40814>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40814#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40814#respond)

**deepak**

Thanks. My concept is clear from it.

03.05.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40812>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40812#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40812#respond)

**sekate mubarak**

exact requests have been provided best arrangement of databases

29.04.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40807>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40807#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40807#respond)

**Taukir Ahamd**

best defination and example

25.04.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40804>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40804#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40804#respond)

**Shaik Imran**

nice... Insha allah it may help me in designing ERD for my project...

18.04.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40795>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40795#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40795#respond)

**Jophin Joy (<http://www.techzclub.com/>)**

Cool post! 😊

Check out my blog (<http://www.techzclub.com/>) too 😊

17.04.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40790>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40790#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40790#respond)

**Mutahir NAseer**

Very Nice Answer and m really satisfied from it and also my concept is clear from it .

16.04.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40789>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40789#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40789#respond)

**Zahida Laghari**

nicelly defined , i want to make ER diagram for press club. I have some confusions but after visit this website i have believe Insha Allah i will make easilly.

05.04.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40760>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40760#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40760#respond)

**Eugene Alza**

Its soo hard and I am thinking deeply in my project Callisto Groceru Store. I dont know what is the flow of this grocery store

23.03.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40744>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40744#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40744#respond)

**ALEX O.**

you're a genius,i cherished you.

05.03.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40722>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40722#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40722#respond)

**AK**

I was just wondering...I have an application form with me...the link is attached below. Could you please tell me what entities exist within this application form?

For instance, one entity would be applicant—> attributes consisting of Fname, Lname, address...etc

Your help would be greatly appreciated.

Application form:

<http://dairyqueenwest.com/employmentapplication.pdf> (<http://dairyqueenwest.com/employmentapplication.pdf>)

04.03.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40719>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40719#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40719#respond)

**ASHISH KUMAR**

its an amazing ans ,and i am so satisfied with this ans

24.02.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40713>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40713#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40713#respond)

**Tharindu**

Good Learning Web Site

09.02.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40686>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40686#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40686#respond)

**ammar**

nice,and very helpful for our subejct in database management system.....

06.02.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40668>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40668#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40668#respond)

**Sengottuvel S** (<http://celebritynews007.blogspot.in/>)

thanks dude very usefull for me.....

03.02.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40652>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40652#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40652#respond>)

**sugan** (<http://www.google.com>)

simply superb n easy....

thank u....

27.01.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40623>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40623#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40623#respond>)

**parkash**

Nice..... thank u.....

13.01.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40561>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40561#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40561#respond>)

**Nishadha**

Hi Sachin,

Relationships can have their own attributes as well.

07.01.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40536>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40536#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40536#respond>)

**Sachin**

I have still confusion on creating a relationship between two entities, does relationship block have also attributes of its own please help me with this.

05.01.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40523>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40523#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40523#respond>)

**Lahiur**

Thanks.....really good for beginners. it is very good if you can add some solved question regarding ER diagrams.... 😊

30.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40504>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40504#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40504#respond>)

**Nishadha**

Hi Lahiur,

We'll try to add some example questions in the future.

01.01.2013 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40510>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40510#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40510#respond>)

**Latyfa**

Simple, clear, easy.

Thank you so much, that was really helpful.

23.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40473>) - [reply](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40473#respond) (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40473#respond>)

**kandyjet**

very nice explanation. Thank you for the time.

23.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40472>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40472#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40472#respond)

### dineshg2

i have some five problem like this can u help?

- 1.Cargo Tracking Management System
- 2.Supermarket Sales and Inventory Control System
- 3.Emergency Call Management System
- 4.Job Management System

I want to what are the entities of these problems?

15.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40435>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40435#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40435#respond)

### Rudresh DN

Its really good. Understanding the basic concepts of ER diagram with simple language with very good examples. It is easy to for us to know the contents. Thank You Sir.

13.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40424>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40424#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40424#respond)

### TAPAS

thanks,very good explanation for all.

13.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40422>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40422#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40422#respond)

### MULUKEN ASHAGRIE

I HAVE GOTE A GOOD HELP.THANK U!

11.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40417>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40417#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40417#respond)

### brunswick

hey, brow.. nice job.. thanks for this.. it gave us so much help.. thanks brow..

11.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40416>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40416#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40416#respond)

### Tushar

what exactly connector image in entity relationship diagram????

05.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40385>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40385#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40385#respond)

### nishath

Examples are very simple and useful to understand ER Diagram.But if you take a simpl eproblem statement and explain how to identify entity,relationships etc... it would be more helpful to understand.

04.12.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40382>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40382#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40382#respond)

### Inder

Draw ER diagram for the following "A teacher can teach many courses. A student can enrol in many courses. A course may be a part of one or many programmes. A teacher can be mentor of many students, however a student can have only one mentor."

Can you answer above Q Please

30.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40362>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40362#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40362#respond)

#### Dart Vader

Inder, I know I'm replying quite late, but tell me if the correct answer is what I thought: to put every relation as 1..n, with one exception: the teacher/student relation. Here I put 1 in the Teacher side and 1..n in the student's side. Is it correct? Thanks!

22.10.2015 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-46742>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=46742#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=46742#respond)

#### Just wassam

we have teacher , students, course , programmes as entities . first of all, the relationship among teacher and courses are (teach) and it should be many to one due a teacher can teach many course but the course should take by one teacher. the second relationship between student and course is (Enrol in) because and it should be one to many. the third relationship is course and programmes . im so tired hhhhhh to write buishut

18.09.2016 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-49444>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49444#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=49444#respond)

#### Kaiser

the best website..!

28.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40349>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40349#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40349#respond)

#### glen (<http://glenflav.com>)

thanks a lot..nicely written...

28.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40348>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40348#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40348#respond)

#### BWIRE SEDRICK (<http://YAHOO>)

THIS IS VERY RELEVANT FOR MY SAAD PAPER EXAM

24.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40330>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40330#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40330#respond)

#### prasanna

actually, this is good stuff...thanks lots...

24.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-40327>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40327#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=40327#respond)

#### Sofyan Gustaf

Very useful  
Explanation is very clear

19.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-39579>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=39579#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=39579#respond)

### Aditya Bhowmick

Thank you sir ,I don't know how to create a ERD, but now I clear this.

08.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-37737>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=37737#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=37737#respond)

### shiv govind patel (<http://ithub.asia/>)

Thanks for sharing , it is very useful for database designing.

07.11.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-37687>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=37687#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=37687#respond)

### nikhil

cleared my most of the doubts , thank you 😊

30.10.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-36336>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=36336#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=36336#respond)

### kavi

vry clear explanation

20.10.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-35158>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=35158#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=35158#respond)

### M.RAMAR

i want a relationship between er diagram and uml diagram

13.10.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-34310>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=34310#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=34310#respond)

### Giedre

Hi, I have to do an ER model for a travel game app but we have not been shown how in college. Can anyone please give me some ideas on how to go about this.

The player or multiple players are required to navigate their way to the objective location using the transport infrastructure in a city or area, the games AI places them in. The maps will be updated on a frequent basis to add variety to the user's experience.

Thanks

09.10.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-34013>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=34013#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=34013#respond)

### benzie

superb examples of ERD

02.10.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-33565>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=33565#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=33565#respond)

### benzie

A very clear explanation of ERD with the aid of diagrams.thanx.

02.10.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-33563>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=33563#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=33563#respond)

**asad**

best example of ERD

29.09.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-33355>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=33355#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=33355#respond)

**sheha**

Thank u ,this was very big help for us....

19.09.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32801>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32801#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32801#respond)

**suman**

gud explanation...

18.09.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32738>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32738#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32738#respond)

**Aseem**

A lucid and elaborate explanation. Appreciable.

17.09.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32666>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32666#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32666#respond)

**Vik**

Very to the point and clear explanation. Good read to refresh the concepts just in few minutes. Thanks.

15.08.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32548>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32548#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32548#respond)

**Ashish Garg**

Its interesting... Nice presentation.... Thnx

08.08.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32529>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32529#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32529#respond)

**gopika**

this is very useful for us. so easy to understand.

05.08.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32518>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32518#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32518#respond)

**ratul**

thanx a Lot....

02.07.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32409>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32409#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32409#respond)

**utpal swain**

i cleared much of my concept and doubts.....thanks

28.06.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32404>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32404#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32404#respond)

**Angel**

very nice simple and attractive explanations.

11.06.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32377>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32377#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32377#respond)

### Naresh

Ya its very good explanation about ER-Diagrams

01.06.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32368>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32368#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32368#respond)

### minie

Jus wrote my Database exam, wish id seen this much earlier.

28.05.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32361>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32361#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32361#respond)

### maina

i need a ISA relationship with some example

22.05.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32350>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32350#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32350#respond)

### Ankit Doshi

I am an Engineering Student and needed this for my exams.

I can now surely bet on it that I can crack any ER-Diagram

Thanks to author.

20.05.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32346>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32346#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32346#respond)

### jasdeep

i need help for er diagram if you will

04.05.2017 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-51426>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=51426#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=51426#respond)

### Pradeep Alahakoon

Information in this site are very usefull.tankx v m.

16.05.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32328>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32328#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32328#respond)

### Nadee Wickramasinghe (<https://creately.com/blog/diagrams/er-diagrams-tutorial/>)

A very good explanation for ER diagrams.

09.05.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32302>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32302#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32302#respond)

### MalcolmT

The model that you espouse (attributes in ovoids, aka 'the lollipop model') is OK for small systems with very limited number of attributes per entity. Unfortunately, some students try to use it for larger assignments (20 entities with up to 20 attributes per entity) and the whole model becomes unreadable unless they use A2-sized paper. If I never see another model of this type, it will too soon!!

18.04.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-32083>) - [reply \(https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32083#respond\)](https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=32083#respond)



**tanvir**

best sites for erd diagram. can any one tell me the date of the artical posted??

29.03.2012 (<https://creately.com/blog/diagrams/er-diagrams-tutorial/#comment-31973>) - **reply** (<https://creately.com/blog/diagrams/er-diagrams-tutorial/?replytocom=31973#respond>)

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