

Database ER diagram (crow's foot)

Harry Cashel | December 4, 2021

User	
__tablename__	user
id	Integer Primary Key
email	String(64) Index=True Unique=True
username	String(64) Index=True Unique=True
password	String(250)
date_created	DateTime
role	SmallInteger
children_threads	relationship "Thread" backref=user
children_subreddits	relationship "Subreddit" backref=user
children_comments	relationship "Comment" backref=user
joined_subreddits	Integer PrimaryKey "subreddits.sub_id"
Field	Type

Subreddit	
__tablename__	subreddit
sub_id	Integer Primary Key
name	String(64) Index=True Unique=True
description	String(256)
admin_id	Integer ForeignKey "user.id"
date_created	DateTime default=db.func.now()
date_updated	DateTime default=db.func.now() onupdate=db.func.now()
children_threads	relationship "Thread" backref="subreddit"
members	relationship "User" backref="subreddit"
Field	Type

Not Classes - db.Tables  
constructed in  
/models/threads

thread_upvotes = db.Table( 'thread_upvotes',	
db.Column("user_id",	db.Integer, db.ForeignKey("user.id"))
db.Column("thread_id",	db.Integer, db.ForeignKey("thread.id"))

comment_upvotes = db.Table( "comment_upvotes",	
db.Column("user_id",	db.Integer, db.ForeignKey("user.id"))
db.Column("comment_id",	db.Integer, db.ForeignKey("comment.id"))

Thread	
__tablename__	thread
thread_is	Integer Primary Key
title	String(64), default=None
description	String(256), default=None
user_id	Integer ForeignKey "user.id"
date_created	DateTime default=db.func.now()
date_updated	DateTime default=db.func.now() onupdate=db.func.now()
child_comments	relationship "Comment" backref="thread"
votes	Integer, default=1
subreddit_id	Integer ForeignKey "subreddit.id"

Comment	
__tablename__	comment
comment_id	Integer Primary Key
content	String(1000)
user_id	Integer ForeignKey "user.id"
thread_id	Integer ForeignKey "thread.id.id"
date_created	DateTime default=db.func.now()
date_updated	DateTime default=db.func.now() onupdate=db.func.now()
child_comments	relationship "Comment" backref=db.backref ("parent", remote_side=[id],
parent_id	Integer ForeignKey "comment.comment_id"
votes	Integer default=1

Learn how to edit ERD shapes

To manually customize this ERD:

- Double-click on any text in an entity shape and **add/edit text** by typing.
- Click on an entity shape and **toggle the amount of fields** using the advanced shape bar at the top of the canvas.
- Add and remove lines** to show relationships between entities.
- To **update cardinality**, click on a line and then click "Endpoint" on the properties bar at the top of the canvas.

To automatically create your own ERD:

- Click "[↩ Import Data](#)" in the Entity Relationship shape library to the left of the canvas.

Tutorials

(Hold Shift + ⌘ or Ctrl, then click)

Read about how to create entity relationship diagrams

Watch a tutorial on how to import your ERD

Watch a tutorial on how to export your ERD

Read about ERD symbols and notation

Watch Lucidchart basic tutorials

See an example

(Hold Shift + ⌘ or Ctrl, then click)