

Entity-Relationship Model for Nully

Entities and Attributes

Entity	Attributes
User	id, first_name, last_name, username, email_address, password, signup_date
Board	id, user_id, name, created_date, is_public
List	id, board_id, name, position
Card	id, list_id, name, description, created_date, is_active, due_date, reminder_date
Comment	id, card_id, user_id, content, created_date
Label	id, name, color
Attachment	id, card_id, user_id, upload_date, filename, location
Activity	id, card_id, user_id, activity, created_date

Relationships

Origin Entity	Destination Entity	Type of Relationship	Description
User	Board	1 to N	A user can have multiple boards.
User	Comment	1 to N	A user can make multiple comments.
User	Attachment	1 to N	A user can upload multiple attachments.
User	Activity	1 to N	A user can perform multiple activities.
Board	User	N to N	A board can have multiple users and vice versa (through Board_User).
Board	List	1 to N	A board can have multiple lists.
List	Card	1 to N	A list can have multiple cards.
Card	User	N to N	A card can have multiple users and vice versa (through Card_User).
Card	Comment	1 to N	A card can have multiple comments.
Card	Label	N to N	A card can have multiple labels and vice versa (through Label_Card).
Card	Attachment	1 to N	A card can have multiple attachments.
Card	Activity	1 to N	A card can have multiple activities.
Label	Card	N to N	A label can be on multiple cards and vice versa (through Label_Card).