

**Name:** Catalina Ariza Ardila **Course:** Database fundamentals.

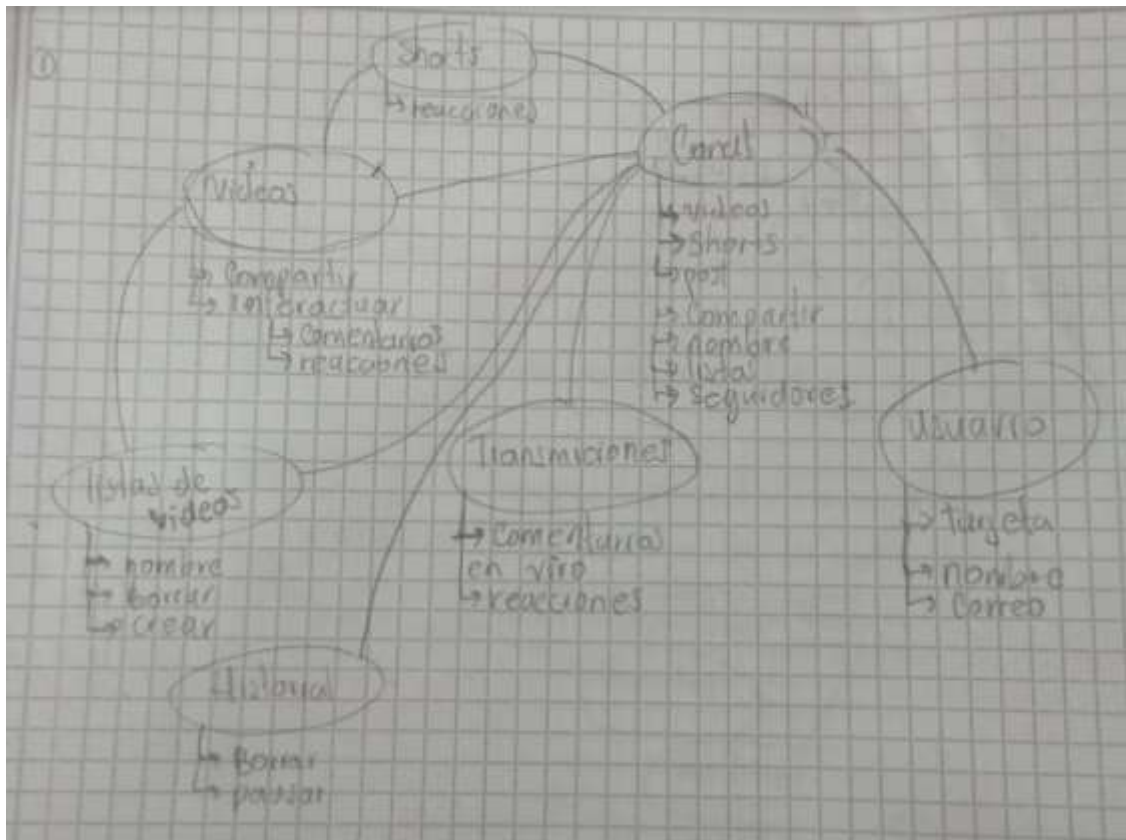
## Workshop 1:

**Product:** Youtube.

1.

- As a user of the platform, when watching a video, I react (using the "like") and interact with the share and comment buttons.
- As a platform worker I need to have a channel to upload my videos.
- As a platform user I use the option to create lists to keep my favorite videos organized.
- As a user of the platform I need to have a history in case I forget or need to search for a video I've seen before.
- As a platform worker I need to be able to make broadcasts to interact with my followers more directly.
- As a platform worker I need to have a way to receive my monetary income.
- As a user I want to follow my favorite channels.
- As a user of the platform I need a space to receive my complaints in case I do not like something.
- As a user I want to subscribe to a channel.

2. Step cero: Define components of the application.



3. Step one and two: Define entities and give them attributes.

- E1: Videos: Reactions, comments, name, description, url, channel, id.
- E2: Channels: Name, followers, credit card, id.
- E3: Live: Name, reactions, comments, id.
- E4: Lists of videos: Name, id.
- E5: Shorts: Name, reactions, comments, id.
- E6: Post: Title, text, comments, reactions, id.
- E7: History: Name, date, id.
- E8: Payments: card number, card type, id.
- E9: Complaints: title, email, description, id.
- E10: User: Name, mail, date of birth, card, language, email, id.

4. Step three:

	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10
E1		X		X			X	X	O	O
E2	X		X	X	X	X	X	O		X
E3		X		X			X			O
E4	X	X	X		X					O
E5		X		X			X			
E6		X								
E7	X	X	X		X					
E8	X	O								
E9	O									X
E10	O	X	O	O					X	
		X: Sure	O: Not sure							

5. Step four:

E1 one to many E2	E2 one to one E7
E1 one to many E4	E2 one to one E8
E1 one to many E7	E2 one to many E10
E1 one to many E8	E3 E4 no relation
E1 E9 no direct relation	E3 E7 no direct relation
E1 E10 no direct relation	E3 E10 no direct relation
E2 one to one E3	E4 many to one E5
E2 many to one E4	E4 E10 no direct relation
E2 many to one E5	E5 one to many E7
E2 many to one E6	E9 many to one E10

6. Step five:

E1 Video	
PK	ID
reactions	
comments	
name	
description	
url	
(name)	

E2 Channels	
PK	ID
name	
followers	
credit card	

E3 Live	
PK	ID
name	
reactions	
comments	

E4 List of videos	
PK	ID
name	

E5 Shorts	
PK	ID
name	
reactions	
comments	

E6 Post	
PK	ID
text	
file	
comments	
reactions	

E10 User	
PK	ID
name	
mail	
date of birth	
card	
language	
email	

E7 History	
PK	ID
name	
date	

E8 Payments	
PK	ID
card number	
card type	

E9 Complaints	
PK	ID
file	
email	
description	