

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

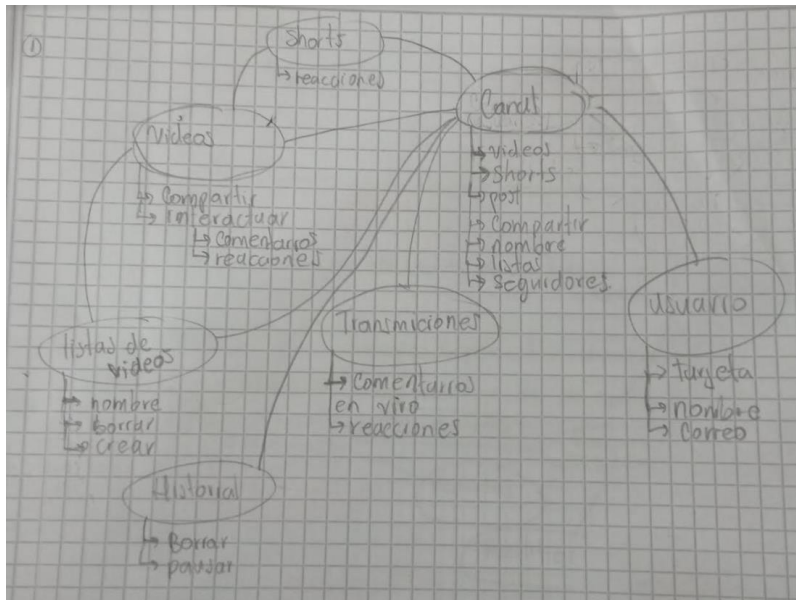
Workshop 1:

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 zero: Define components of the application.



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

- E1: Videos: Reactions, comments, name, description, url, channel.
- E2: Channels: Name, id, followers, credit card.
- E3: Transmission: Name, reactions, comments.
- E4: Lists of videos: Name.

- E5: Shorts: Name, reactions, comments.
- E6: Post: Title, text, comments, reactions.
- E7: History: Name, date.
- E8: Payments: card number, card type.
- E9: Complaints: title, email, description.
- E10: User: Name, mail, date of birth, card, language.

4. Step three:

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

5. Step four:

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