

Databases Foundations I

Season 2024-I

Workshop No. 1 - Entity-Relationship Model

Juan Sebastián Montoya Suarez

Francisco José de Caldas District University

1.

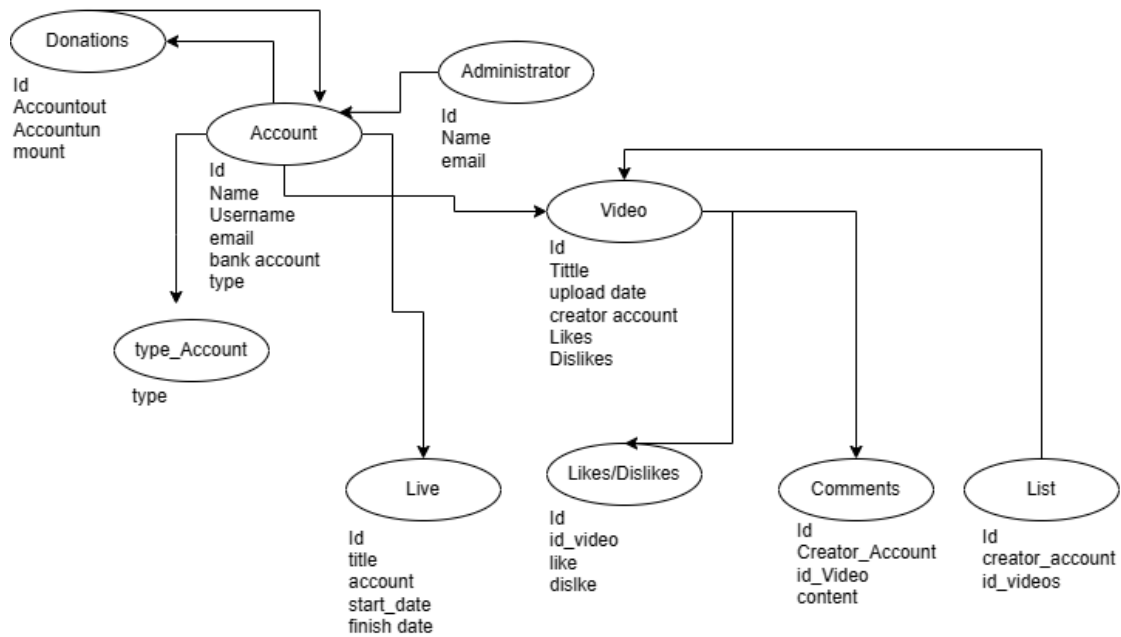
H1	Actor: Youtuber
	Story Name: Upload Videos
	The user will be able to upload videos
H2	Actor: Youtuber
	Story Name: View Subscribers
	The user will be able to see the people subscribed to their channel
H3	Actor: Youtuber
	Story Name: Hacer Lives
	The user will be able to make live streams on the platform for their subscribers
H4	Actor: Youtuber
	Story Name: Receive Donations
	The user will be able to receive donations from their subscribers through the platform
H5	Actor: Youtuber
	Story Name: Get Feedback

	The user will be able to see the comments of the videos
H6	Actor: Youtuber
	Story Name: View Video Stats
	The user will be able to see the statistics about their videos receiving number of views, likes/dislikes
H7	Actor: Youtuber
	Story Name: View Uploaded Videos
	The user will be able to see the list of uploaded videos
H8	Actor: Suscriptor
	Story Name: Watch Videos
	The user will be able to watch videos of their preferred youtubers
H9	Actor: Suscriptor
	Story Name: Giving Donations
	The user will be able to give Donations to their youtubers of choice
H10	Actor: Suscriptor
	Story Name: Subscribe to YouTubers
	The user will be able to subscribe to their preferred youtubers
H11	Actor: Suscriptor
	Story Name: Write Comments

	The user will be able to comment on the videos of their choice
H12	Actor: Suscriptor
	Story Name: View History
	The user will be able to see the history of videos already watched
H12	Actor: Suscriptor
	Story Name: Give Likes
	The user will be able to like/dislike the videos of their choice
H13	Actor: Administrator
	Story Name: Delete Accounts
	The user will be able to delete accounts that violate the platform's rules
H14	Actor: Administrator
	Story Name: Delete Videos
	The user will be able to delete videos that violate the platform's rules
H15	Actor: Administrator
	Story Name: Delete Comments

	The user will be able to delete comments that violate the platform's rules
H16	Actor: Administrator
	Story Name: View Account Stats
	The user will be able to see the statistics of all accounts, such as videos
H16	Actor: suscriptor
	Story Name: Create Video Lists
	The user will be able to see the lists of their favorite videos

2.



2.1

- e1 account: name, username, email, id, bank id, type account
- e2 type_account: type
- e3 Administrator: id name, email.
- e4 Videos: id, Upload Date, Creator, Date View
- e5 lists: id, creator, videos,
- e6 Comments: creator, content
- e7 Likes/dislikes: id, id video, like, dislike
- e8 Live Stream: ID, Title, Description, Start Date, End Date
- e9 Donations: id, user who donated, youtuber who received, amount

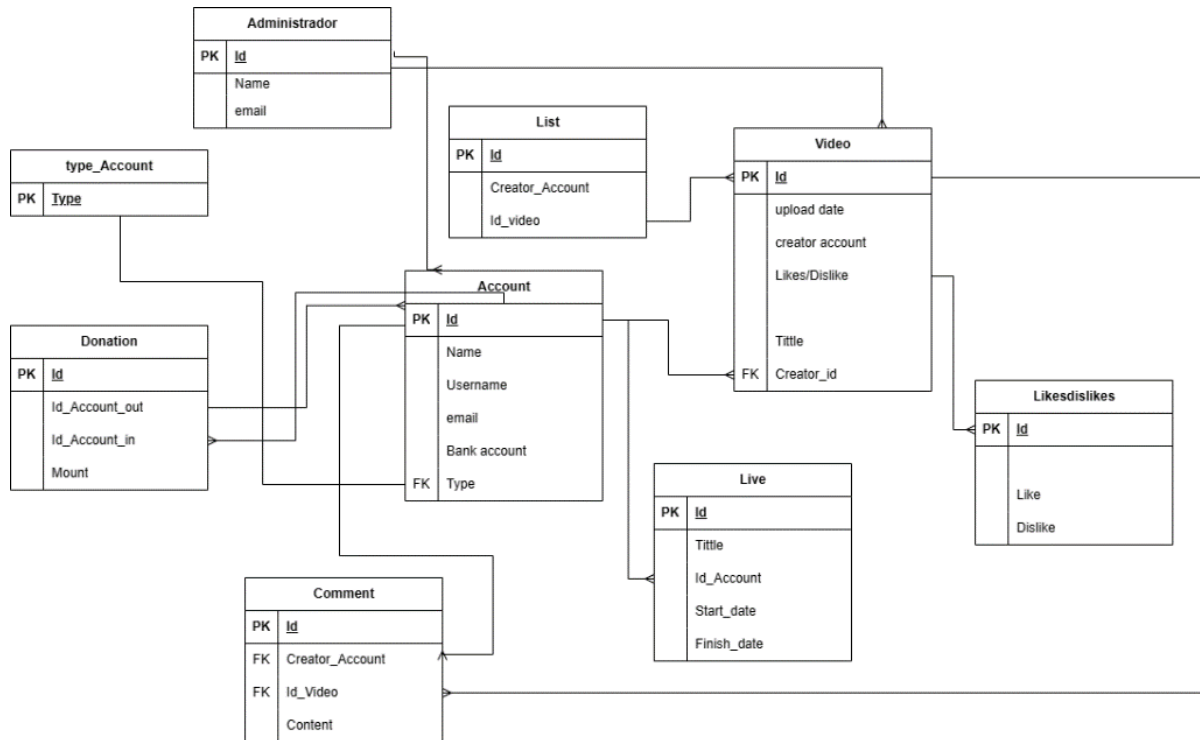
2.2

list	E1	E2	E3	E4	E5	E6	E7	E8	E9
E1	■	x		x	x	x			x
E2		■							
E3	X		■	X		x			
E4	x			■	x	x	x		
E5				x	■				
E6						■			
E7							■		
E8	x							■	
E9	x								■

2.3

- E1 (1:N) E2
- E1 (1:N) E4
- E4 (1:1) E1
- E4(1:N) E7
- E4 (1:N) E6
- E4 (1:N) E5
- E8 (1:1) E1
- E1 (1:N) E9
- E1 (1:1) E1

2.4



3. To make the decision of what components they had, they based themselves on the user stories and functionalities of the existing platform, trying to find the best entities for this database

4. At the time of making the relationship entity diagram, all the functionalities presented were taken into account, making changes based on the user stories and with the step of understanding the program, changes are made due to the non-relationship of some entities and the generation of new ideas that can be illustrated, such as the use of likes as an entity and the creation of the entity donations