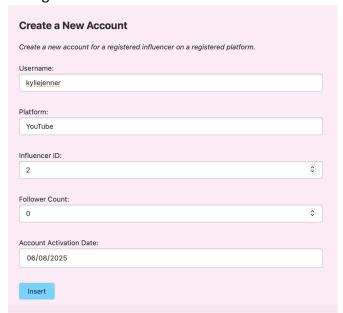
Influencer Marketing Database Functionality

INSERT Operation

• Before:

Accounts						
User Name	Platform	Influencer ID	Follower Count	Account Activation Date		
jennerxky	Twitter	2	294000	2011-07-01T07:00:00.000Z		
kyljen	Instagram	2	21700	2013-07-21T07:00:00.000Z		
kenjen	Instagram	3	286000	2011-07-02T07:00:00.000Z		
kenjen	YouTube	3	2230	2015-01-01T07:00:00.000Z		
kimxkim	Twitter	4	294000	2011-07-01T07:00:00.000Z		

During:



Accounts						
Platform	Influencer ID	Follower Count	Account Activation Date			
Twitter	2	294000	2011-07-01T07:00:00.000Z			
YouTube	2	0	2025-08-06T07:00:00.000Z			
Instagram	2	21700	2013-07-21T07:00:00.000Z			
Instagram	3	286000	2011-07-02T07:00:00.000Z			
YouTube	3	2230	2015-01-01T07:00:00.000Z			
	Twitter YouTube Instagram Instagram	Twitter 2 YouTube 2 Instagram 2 Instagram 3	Twitter 2 294000 YouTube 2 0 Instagram 2 21700 Instagram 3 286000			

^{**} Table is scrollable, so not all tuples are currently in frame

DELETE Operation

• Before:

ID	Name	Location	Age	Niche
1	Addison Rae	USA	24	Music
2	Kylie Jenner	USA	27	Beauty
3	Kendall Jenner	USA	29	Wine
4	Kim Kardashian	USA	44	TV
5	Shawn Mendes	CAN	26	Music

Accounts						
User Name	Platform	Influencer ID	Follower Count	Account Activation Date		
addraeins	Instagram	1	980000	2025-01-01T07:00:00.000Z		
jennerxky	Twitter	2	294000	2011-07-01T07:00:00.000Z		
kyljen	Instagram	2	21700	2013-07-21T07:00:00.000Z		
kenjen	Instagram	3	286000	2011-07-02T07:00:00.000Z		
kenjen	YouTube	3	2230	2015-01-01T07:00:00.000Z		

• During:



Influencers

ID	Name	Location	Age	Niche
1	Addison Rae	USA	24	Music
3	Kendall Jenner	USA	29	Wine
4	Kim Kardashian	USA	44	TV
5	Shawn Mendes	CAN	26	Music
6	Justin Bieber	CAN	31	Music

Accounts

User Name	Platform	Influencer ID	Follower Count	Account Activation Date
addraeins	Instagram	1	980000	2025-01-01T07:00:00.000Z
kenjen	Instagram	3	286000	2011-07-02T07:00:00.000Z
kenjen	YouTube	3	2230	2015-01-01T07:00:00.000Z
kimxkim	Twitter	4	294000	2011-07-01T07:00:00.000Z
shawn	Instagram	5	357	2016-10-09T07:00:00.000Z

^{**} Deleting Influencer cascades to Account

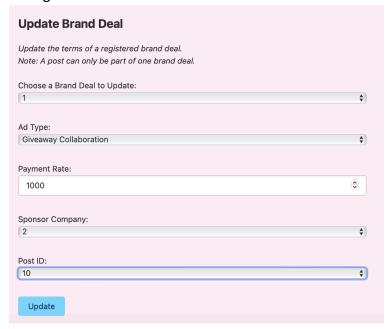
UPDATE Operation

• Before:

Brand Deals

ID	Ad Type	Payment Rate	Company ID	Post ID
1	Sponsored Post	500	1	1
2	Shoutout	300	2	2
3	Giveaway Collaboration	750	3	3
4	Review	0.05	4	4
5	Product Placement	0.1	5	16

• During:



After:

Brand Deals

ID	Ad Type	Payment Rate	Company ID	Post ID
1	Giveaway Collaboration	1000	2	10
2	Shoutout	300	2	2
3	Giveaway Collaboration	750	3	3
4	Review	0.05	4	4
5	Product Placement	0.1	5	16

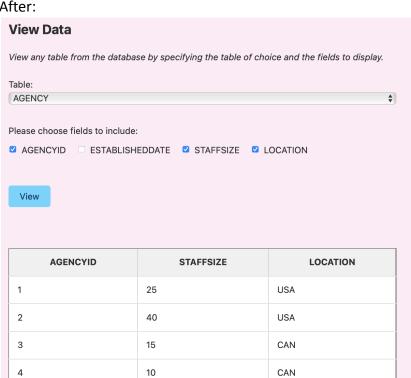
PROJECTION

- Before: no table(s)
- During:



After:

5



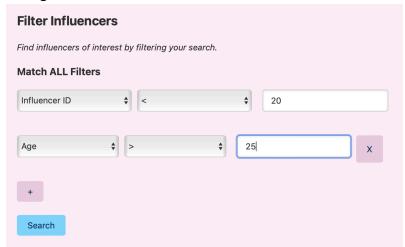
CAN

30

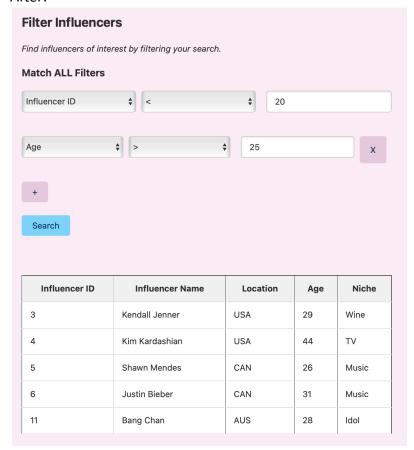
SELECTION (AND)

Before: no table(s)

During:



After:



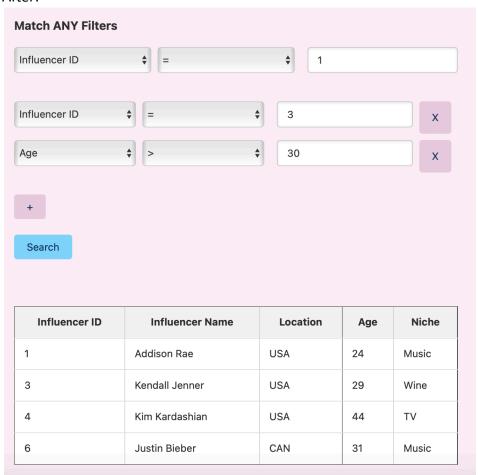
** Table is scrollable, so not all tuples are currently in frame

SELECTION (OR)

Before: no table(s)

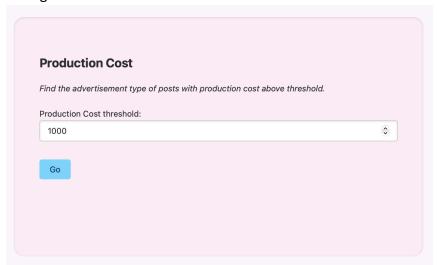
• During:

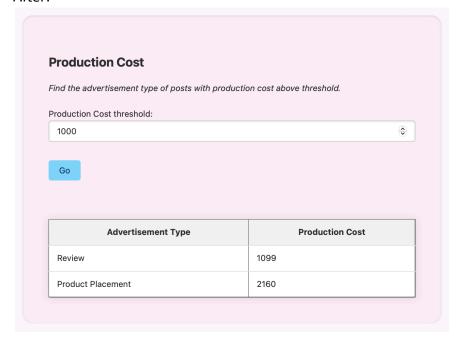




JOIN

- Before: no table(s)
- During:

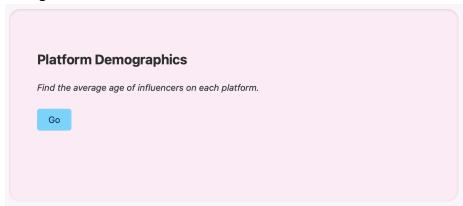


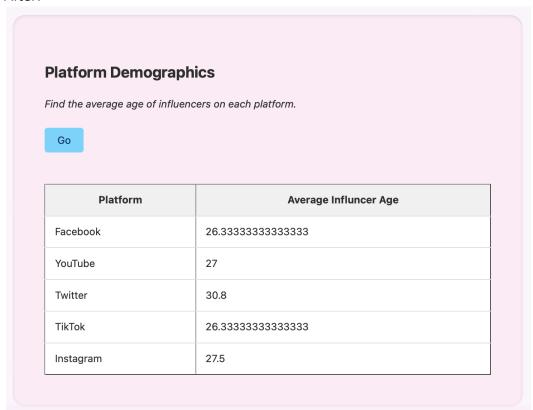


Aggregation with GROUP BY

• Before: no table(s)

• During:

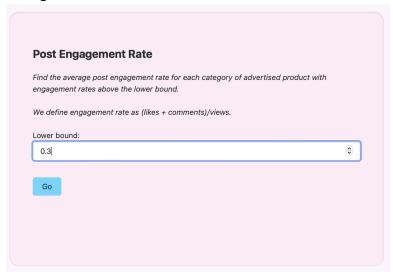


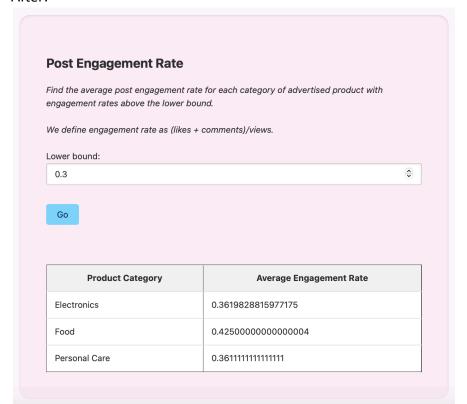


Aggregation with HAVING

• Before: no table(s)

• During:

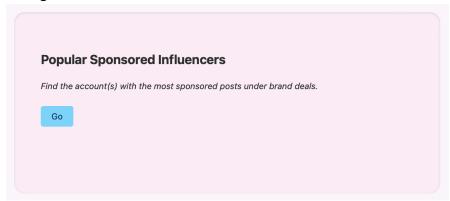


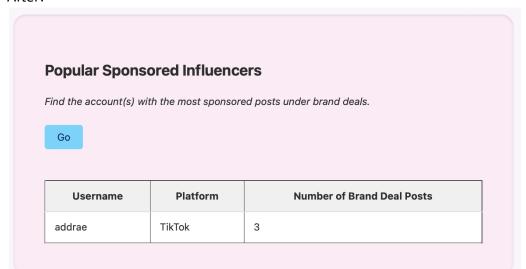


Nested aggregation with GROUP BY

• Before: no table(s)

• During:





DIVISION

- Before: no table(s)
- During:

