DB sample

tag

tag

TagParentChildRelation
id

ParentTag

delta_syncing(delta_syncing)

id	modelId	modelName	eventName	isSynced
1	7	TagWithQuestionObject	TAG_ASSOCIATION	false
2	8	TagWithQuestionObject	TAG_ASSOCIATION	false
3	9	TagWithQuestionObject	TAG_ASSOCIATION	false
4	10	TagWithQuestionObject	TAG_ASSOCIATION	false
5	11	TagWithQuestionObject	TAG_ASSOCIATION	false
6	12	TagWithQuestionObject	TAG_ASSOCIATION	false
7	13	TagWithQuestionObject	TAG_REMOVAL	false

(TagWithQuestionObject)

id	modelId	tagId	modelName	isActive
7	20	2	GameQuestions	true
8	21	5	GameQuestions	true
9	23	4	GameQuestions	true
10	24	2	GameQuestions	true
11	25	7	GameQuestions	true
12	20	6	GameQuestions	true
13	2	6	GameImages	true
14	9	6	GameImages	true
15	17	6	GameImages	true

(GameQuestions)

id	question
20	Virat belongs to pakistan
21	Virat belongs to pakistan
23	Virat belongs to pakistan
24	Virat belongs to pakistan
25	Virat belongs to pakistan

id

tagName

GameQuestions

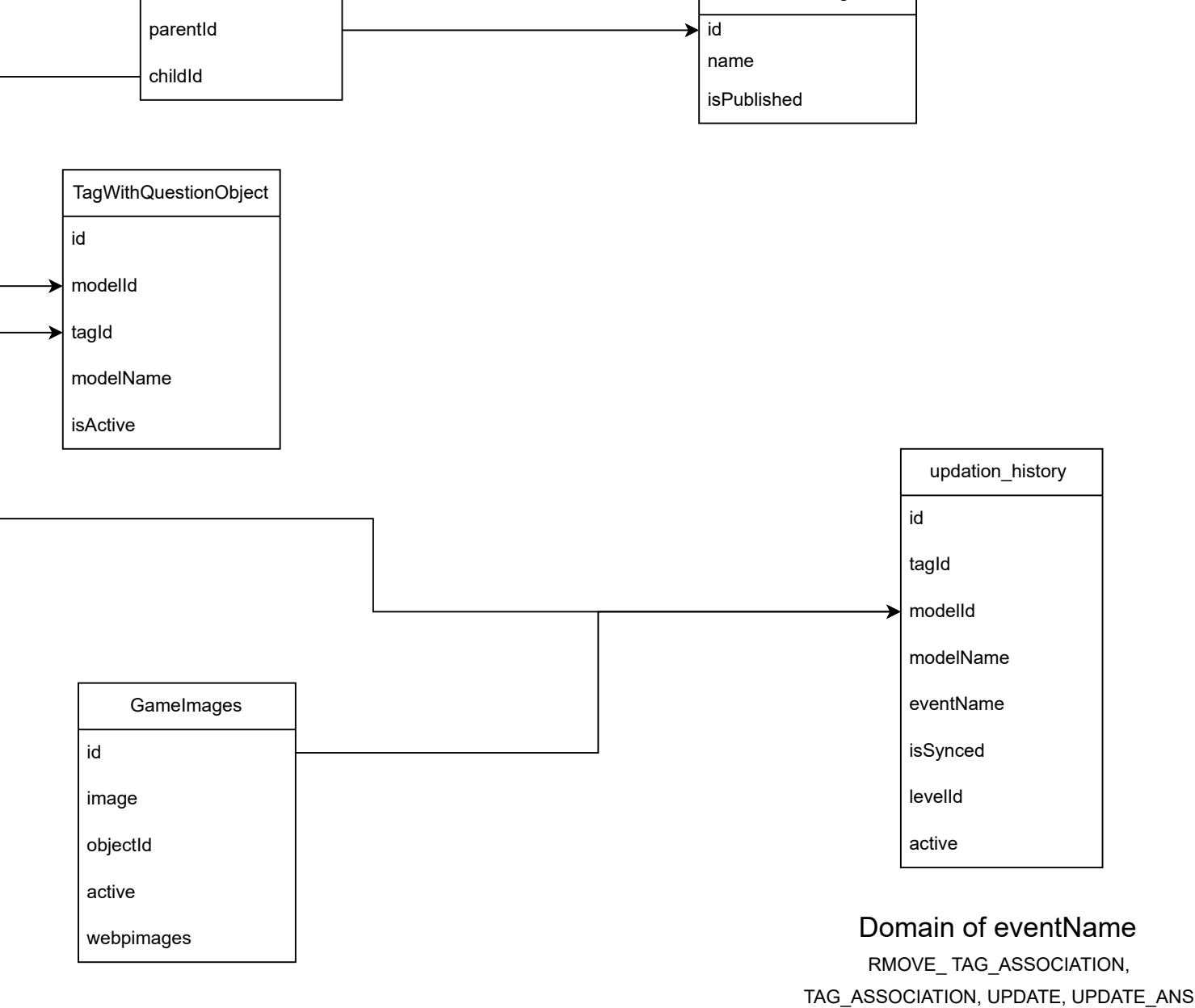id

objectId

levelId

question

answer

active

isSynced
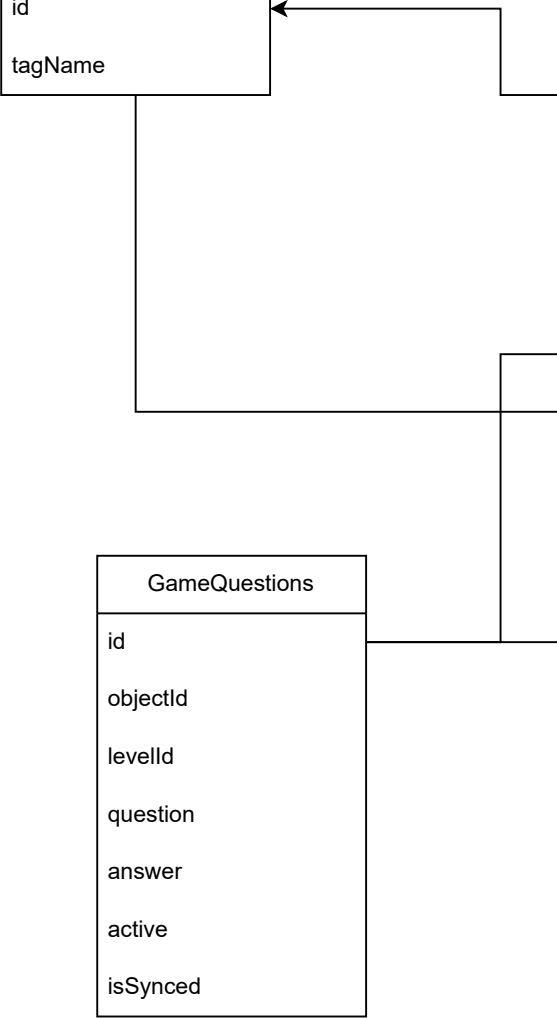
Sto

Child Tags under parents

p1 = [c1, c2, c9]

p2 = [c3, c6, c7, c8, c10]

p2 = [c4, c5, c11, c12, c13]

Stored ans

ans = [Q2, Q13, Q5, Q45, Q6]

parentId		id
childId		name
		isPublished

TagWithQuestionObject

id

modelId

tagId

modelName

isActive

updation_history

id

tagId

modelId

modelName

eventName

isSynced

levelId

active

GameImages

id

image

objectId

active

webpimages

Domain of eventName
RMOVE_ TAG_ASSOCIATION,
TAG_ASSOCIATION, UPDATE, UPDATE_ANS

red data in Redis

data format

Questions under Child Tags

c1_1 = [Q1, Q2]

c1_2 = [Q13, Q4, Q5]

c1_3 = [Q11, Q12]

c2_1 = [Q1, Q2]

c2_2 = [Q3, Q6, Q7, Q8, Q10]

c2_3 = [Q4, Q5, Q11, Q12, Q13]

c9_1 = [Q1, Q2]

c9_2 = [Q3, Q6, Q7, Q8, Q10]

c9_3 = [Q4, Q5, Q11, Q12, Q13]

Stored questions

Q1 = 'virat belogs to pakistan'

Q2 = 'virat belogs to india'

Q13 = 'virat belogs to RCB'

Q4 = 'virat belogs to pakistan'

Q5 = 'virat belogs to acia'

Q11 = 'virat belogs to nepal'

Q12 = 'virat belogs to pakistan'

Q3 = 'virat belogs to pakistan'

Q6 = 'virat belogs to pakistan'

Q7 = 'virat belogs to pakistan'

Tag association and removal on the question

----

1) if an already active record is available in the updation_history table TAG_ASSOCIATION/ TAG_ASSOCIATION) the

flag then disable the matching record and create a new record with th

On Sync action

----

1) Find all distinct tagIds and levelId from the updation_history table

and (eventName = 'TAG_ASSOCIATION' or eventName = 'REMOVE_

2) Find(from DB) all question association for all distinct tagId_levelId

Tag association and removal on the image

----

1) If an already active record is available in the updation_history table
TAG_ASSOCIATION/ TAG_ASSOCIATION)

flag then disable the matching record and create a new record with th

On Sync action

----

1) Find all distinct tagIds and levelId from the updation_history table

and (eventName = 'TAG_ASSOCIATION' or eventName = 'REMOVE_

2) Find all associated GameImages's ids and update the related tag's

Image updation

----

e with the same modelId, modelName, and tagId with the opposite (RMOVE_

ne disabled flag otherwise, create a new record with an active flag.

where modelName = 'GameQuestions'

_TAG_ASSOCIATION') and active = true

and update the Redis with the questionIds

e with the same modelId, modelName, and tagId with the opposite (RMOVE_

ne disabled flag otherwise, create a new record with an active flag.

where modelName = 'GameImages'

_TAG_ASSOCIATION') and active = true

array in Redis

```
c3_1 = [Q34, Q35, Q36, Q37, Q38]

c3_2 = [Q39, Q40, Q41, Q42, Q43]

c3_3 = [Q44, Q45, Q46, Q47, Q48]


c6_1 = [Q34, Q35, Q36, Q37, Q38]

c6_2 = [Q39, Q40, Q41, Q42, Q43]

c6_3 = [Q44, Q45, Q46, Q47, Q48]
```

Q8 = 'virat belogs to pakistan'

Q10 = 'virat belogs to pakistan'

Q34 = 'virat belogs to pakistan'

Q35 = 'virat belogs to pakistan'

Q36 = 'virat belogs to pakistan'

Q37 = 'virat belogs to pakistan'

Q38 = 'virat belogs to pakistan'

Q39 = 'virat belogs to pakistan'

Q40 = 'virat belogs to pakistan'

Q41 = 'virat belogs to pakistan'

Q42 = 'virat belogs to pakistan'

Q43 = 'virat belogs to pakistan'

Q44 = 'virat belogs to pakistan'

Q45 = 'smith belogs to autralia'

Q46 = 'virat belogs to pakistan'

Q47 = 'virat belogs to pakistan'

Q48 = 'virat belogs to pakistan'

c3_1 = [Q34, Q35, Q36, Q37, Q38]

c3_2 = [Q39, Q40, Q41, Q42, Q43]

c3_3 = [Q44, Q45, Q46, Q47, Q48]

c6_1 = [Q34, Q35, Q36, Q37, Q38]

c6_2 = [Q39, Q40, Q41, Q42, Q43]

c6_3 = [Q44, Q45, Q46, Q47, Q48]

1) On only content updation, create a new record in updation_history

2) If On only content updation, create a new record in updation_histor

On Sync action

----

1) get all recorded images from the updation_history table and update

Question content updation

----

1) On only content updation, create a new record in updation_history

On Sync action

----

1) get all recorded questions from the updation_history table and upd

with eventName = UPDATE and modelName = GameImages.

ry with eventName = UPDATE and modelName = GameImages.

e it into Redis.

with eventName = UPDATE and modelName = GameQuestions.

ate it into Redis.