Real People Behind Virtual Images StreamerID, Name, Age, Gender, the virtual image itself Virtual Image Number 1. Virtual Idol CreationDate, Age, Gender, Name, [ModificationDate :vocal changer voice ID actors(linked real person) [voice_modulation_type [Voice_ filter voice Trecording date platform/media platformName PlatformUserID 2. Fan FanID, Name, Age, (link channel)Youtube_Join_Date (link platform)Subscription_date Follow_Platform 3. Live Stream StreamerID, ViewerID topic Date TopicName Title, topicDuration StreamTime, ViewerNumber Price StreamTime Topic 11. Youtube Channels SubscriptionNumber, Channel ID, DownloadNumber shareNumber Youtube_Subscription_Date Youtube_Join_Date 4. Review StreamerID, FanID, ReviewType(Good/Bad/Average/Others) 10.Donations

Virtual Idol/Virtual Youtuber

Entities

GiftID FanID,

StreamerID,
LiveStreamDate
DonationTime,
DonationAmount

6. Painter

GiftName,

GiftValue

5.Gift

GiftID,

ArtistID,
SpecialtyStyle,
Virtual Image Number

7. Motion Capture Specialist

SpecialistID, Virtual Image Number

9. Sponsor

SponsorID, Industry, SponsorshipAmount, SponsorshipDuration

merchandise

merchID

Brand Ad ID,
productName price Start Time End Time

Ad Placements(Event)

Placement ID
Ad ID
Streamer ID
PlacementTime

20. motion capture equipment

IDs brand EquipmentCost StreamerID purchase_date