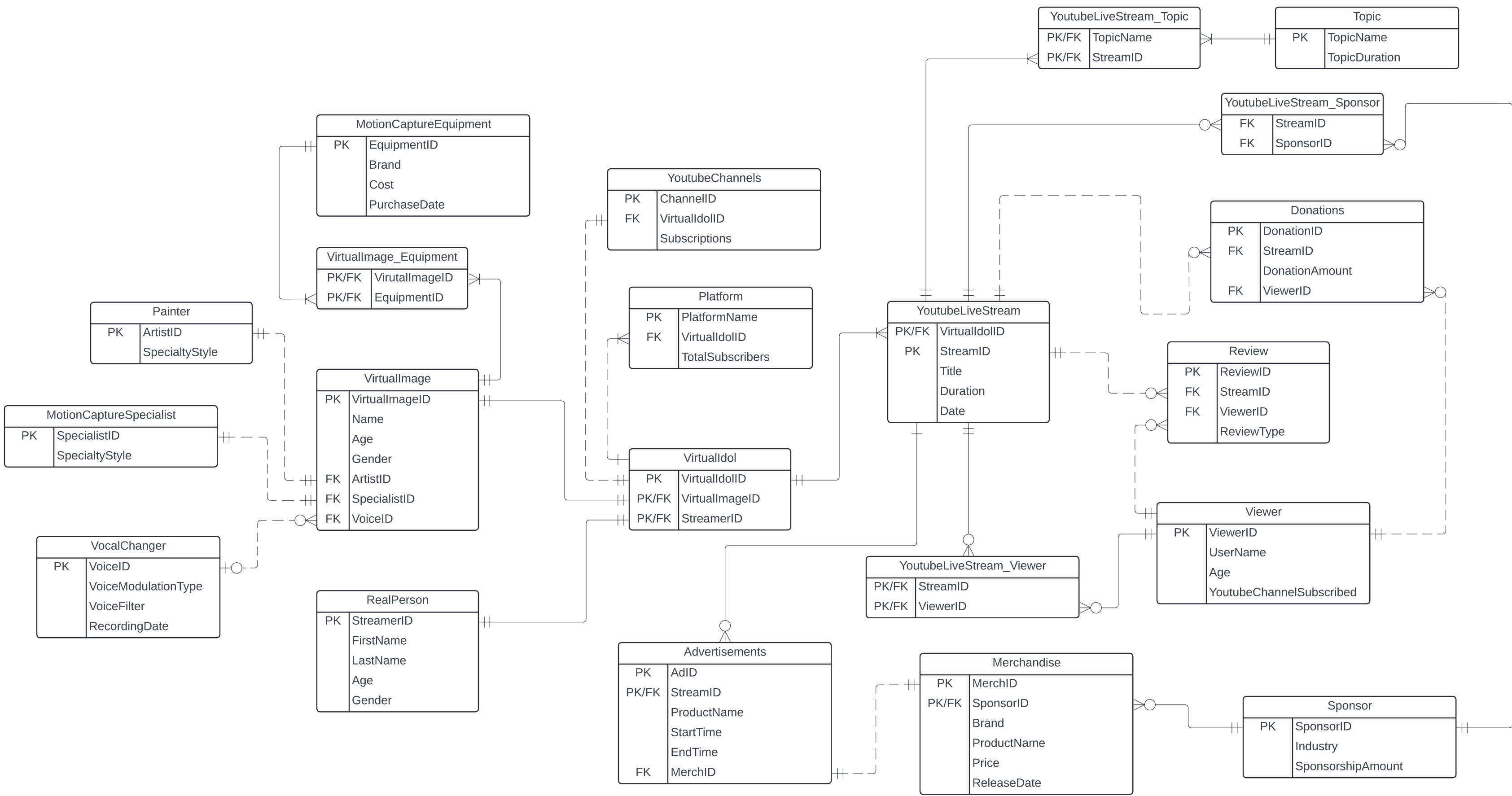


Data Management and Database Design

Team 2-ERD



Below are the changes made to the ERD:

Suggested Changes

1. The relationship between **Merchandise** and **Advertisements** is non-identifying and should be represented with a dotted line.
2. The relationship between **YoutubeLiveStream** and **Advertisements** is identifying and should be represented with a solid line.
3. The business rule states: "Each virtual idol may use **one or many** platforms" However, there is a **zero-to-many** relationship between **VirtualIdol** and **Platform**.

Additional Changes

1. **ViewerID** was removed from **YouTUBELiveStream** because an associative entity already exists to manage this relationship.
2. The business rule has been updated from "Each virtual idol has only one live stream" to reflect a **one-to-many** relationship between **VirtualIdol** and **LiveStream**, and this change has been implemented in the final ERD.
3. **Name** in the **Viewer** was changed into **UserName**
4. **Name** in the **RealPerson** was changed into **FirstName** and **LastName**.