INFO 6210: Data Management and Database Design

Project Team - 2

NAME	NUID
Rina Su	002308528
Krisha Lakhani	002334794
Prayag Adhikari	002657754
Reetika Bhanushali	002341895
Adwait Relekar	002839566

Project Topic - Virtual Youtuber

Mission Statement
The database is designed to manage the information, content, audience interactions, and business data of visual virtual idols (VTubers).
Our solution provides a unified platform that simplifies the management of VTubers, tracking information, video downloads, social media interactions, revenues, and partnerships, optimizing content strategy, and supporting growth.

Mission objectives

Maintenance
<u>Platforms and content:</u> Maintenance (input, update and delete) of data for VTubers' social media platforms, YouTube channels, videos and collaborative content.
<u>VTubers' interactions:</u> Manage (enter, update and delete) data for fan interactions (comments, subscriptions) and fan clubs.
<u>Devices and events:</u> Manage (enter, update and delete) data relating to motion capture devices.
<u>Commercial partnerships:</u> manage (enter, update and delete) data relating to VTubers sponsors and advertising.

How it works
<u>VTubers and their content:</u> Search for information on VTubers, their avatars, voice changers, platforms used, channels operated and live streams. Interact between VTubers and their fans: search for fans, fan clubs, and fan interaction activities.
<u>Technical:</u> Explore painters, motion capture specialists and motion capture equipment used in connection with virtual images.
<u>Commercial:</u> Analyze subscriptions, sponsors, advertising, placement and merchandise related to VTubers.

Tracking:

VTubers channel and content: Track VTubers channel status, subscription growth, live streaming, number of videos and fan profile analysis.

Collaboration and interaction with VTubers: Monitoring VTubers' commercial companies, advertising sponsorship and tracking interaction with fans (tips, comments, likes).

Technical: Monitoring the process of creating virtual images and the participants involved.

Reporting:

VTubers and their content: Reports on VTubers, their avatars, voice changers, platforms used, channels operated and live streams.

Interaction between VTubers and fans: Reports on fans, fan clubs, fan interaction activities, comments received and messages.

Technical information: News on avatar artists, motion capture specialists and motion capture devices.

Commercial information: Information on subscriptions, sponsors, advertising, locations and merchandise related to VTubers.