**PODCAST APPLICATION DESCRIPTION**

Podcast is an online audio entertainment app. To enhance the listening experience, the team behind the app continuously updates the database to improve content discovery and overall performance. The underlying database supports both employees and users by enabling data retrieval, updating records, and altering or deleting existing entries.

This program will maintain a history of changes to shows’ descriptions, episodes’ participants, and the promotion rate property of paid episodes. Each INSERT, UPDATE, and DELETE operation will be tracked with a start time and end time. Users can easily insert modified values without concerning themselves with the underlying mechanisms.

**Hierarchical And Dynamic Data Structure**

**Hierarchical Structure.** The highest level for contents is the Channels. Within each channel, there are Shows. Every show contains multiple episodes. Shows also have the tag of category to group contents in another dimension, but this feature is optional.

**Dynamic Product Types.** Episodes are classified into distinct types, Free Episodes and Paid Episodes. Each of the subtype of Episodes owing different attributes. for example, free episodes are a type of episodes contain advertisements, while paid episodes are another type of episodes require premium charges.

**Diversified Relationship.** Multiple participants may collaborate on any given episode, and participants can appear in various episodes across different shows.

**Flexibility And Security of Maintenance**

**Effective Record Showcase:** The application provides efficient tools to showcase content dynamically. For instance, shows can be effectively displayed under specific channels, and episodes can be filtered responsively under the relevant shows.

**Easily Update Records:** The system offers a user-friendly interface that allows to

update multiple fields from different entities in a single user interface. Users can quickly insert new records by selecting from existing values, simplifying the process of managing content such as channels, shows, and episodes.

**Security-Controlled Record Alteration:** For enhanced security, altering or deleting records related to Channels, Shows, or Episodes is handled through separate forms.