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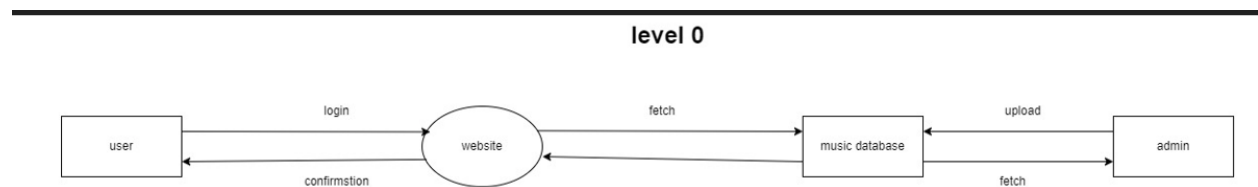
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## Title-Draw DFD Diagram for your mini project topic.

### 1. System Overview

The diagrams illustrate a multi-level Data Flow Diagram (DFD) for a music or karaoke application system. The system incorporates user and admin interfaces, with functionality for song management, playlist creation, and premium features.

### 2. Level 0 (Context Diagram)



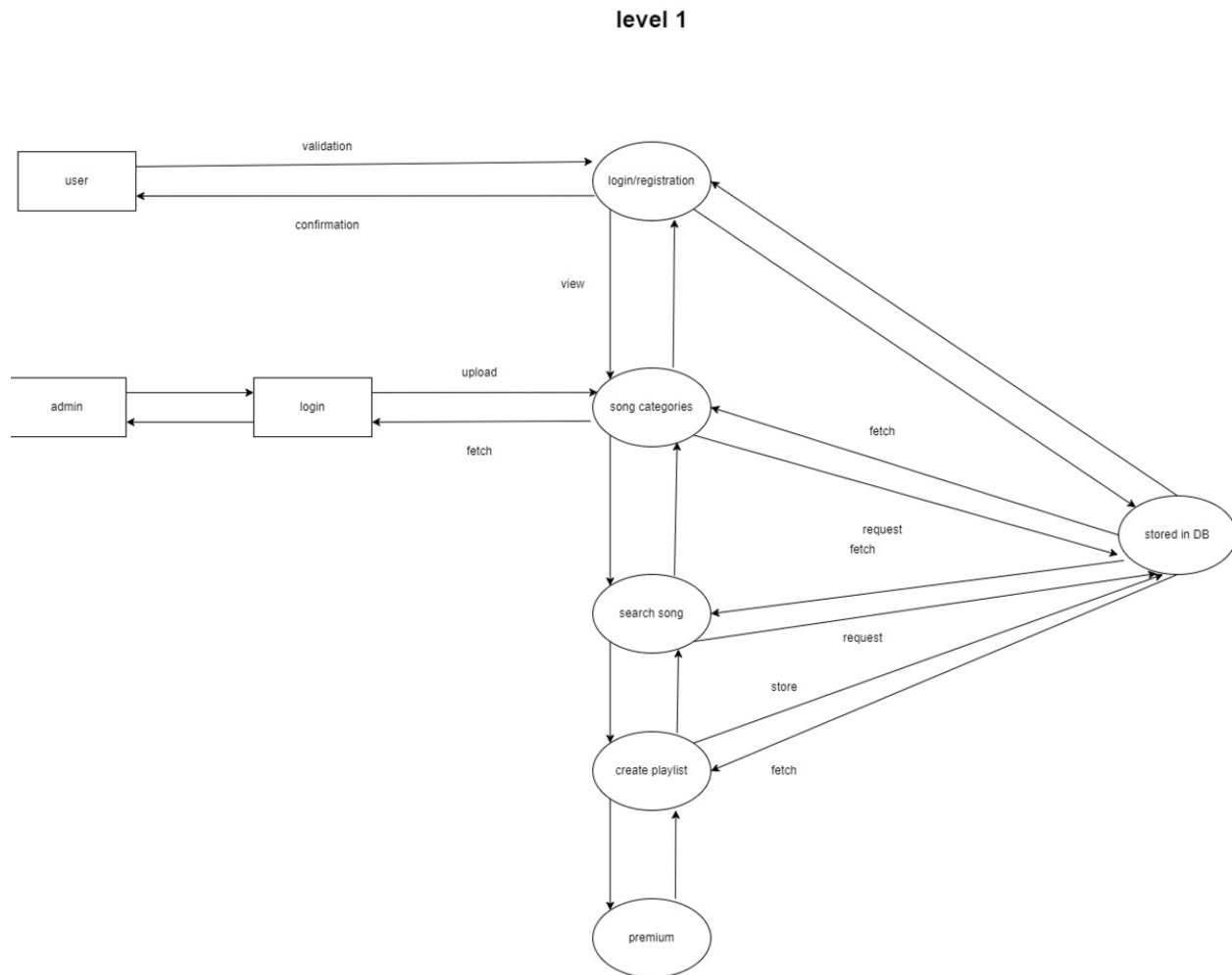
Main entities:

- User
- Website
- Music Database
- Admin

Key processes:

- User login
- Admin upload
- Data fetching

### 3. Level 1 (Main Processes)



Processes:

- Login/Registration
- Song Categories
- Search Song
- Create Playlist
- Premium Features

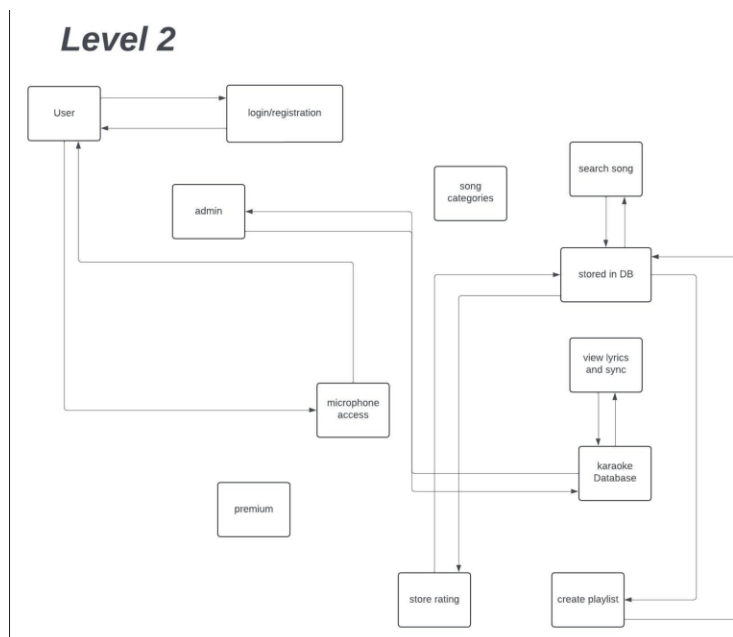
Data stores:

- Stored in DB

Key data flows:

- Validation
- Upload
- Fetch
- Request
- Store

## 4. Level 2 (Detailed Processes)



Additional processes:

- Microphone Access
- View Lyrics and Sync
- Store Rating

New data stores:

- Karaoke Database

Additional features:

- Song categorization
- Lyric viewing and syncing
- Rating system

## **5. Key System Components**

a. User Management:

- Login/Registration process
- User validation

b. Admin Functions:

- Song upload
- Database management

c. Song Management:

- Categorization
- Search functionality
- Storage in database

d. Playlist Creation:

- User-created playlists
- Interaction with song database

e. Karaoke Features:

- Lyric viewing and syncing
- Microphone access

f. Premium Features:

- Separate process, likely offering enhanced functionality

g. Rating System:

- Allows users to rate songs or performances

## **6. Data Flow**

- Users interact primarily through the login/registration process
- Admins manage the song database through uploads and categorization
- Songs are stored in the main database and the karaoke database
- Users can search, create playlists, and access premium features
- The system supports karaoke functionality with lyric syncing and microphone access

## **7. System Boundaries**

The DFDs clearly define the system's boundaries, showing interactions between users, admins, and various processes within the application.

## **8. Conclusion**

This music/karaoke application system provides a comprehensive platform for users to access, manage, and interact with music content. It incorporates both basic music playback features and specialized karaoke functionality, with the addition of premium features for enhanced user experience.