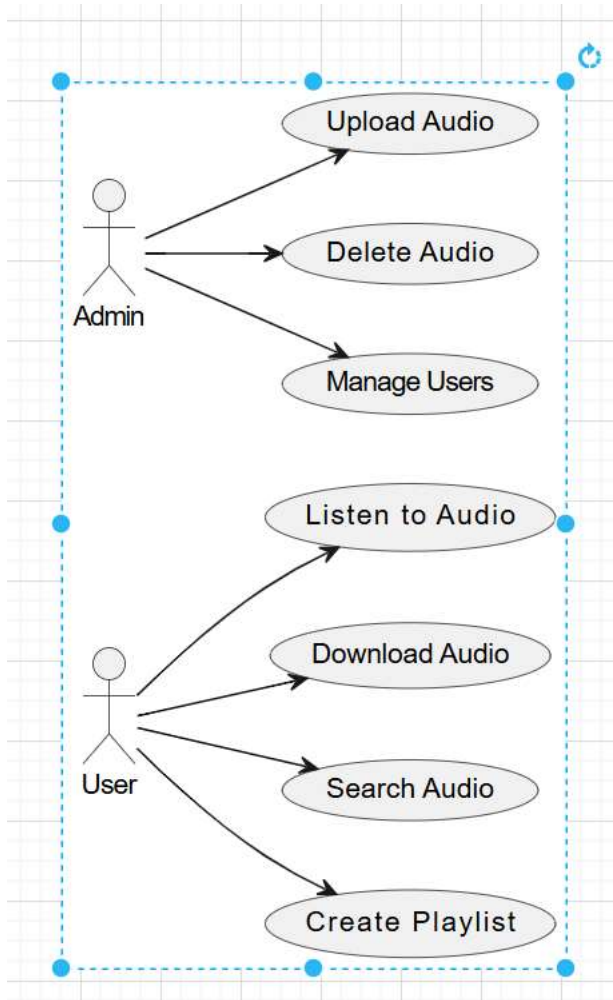


SDA Project

Saud && FA22-BSE-047

11/2/2024

USE CASE



Fully Dressed Case for Uploading Audio

Use Case: Upload Audio

Use Case ID:
UC6

Use Case Name:
Upload Audio

Actors:

- **Primary Actor:** Admin
- **Secondary Actor:** System

SDA Project

Stakeholders and Interests:

- **Admin:** Wants to upload audio files to make them available to users.
- **System:** Needs to manage file uploads securely, store files and metadata efficiently, and verify admin permissions.

Preconditions:

- The Admin is registered, authenticated, and logged into the system.
- The Admin has the necessary permissions to upload audio content.
- The audio file format is supported, and the file size is within the allowed limit.

Postconditions:

- The audio file and metadata are stored in the system.
- The newly uploaded audio is available in the library for users to access.

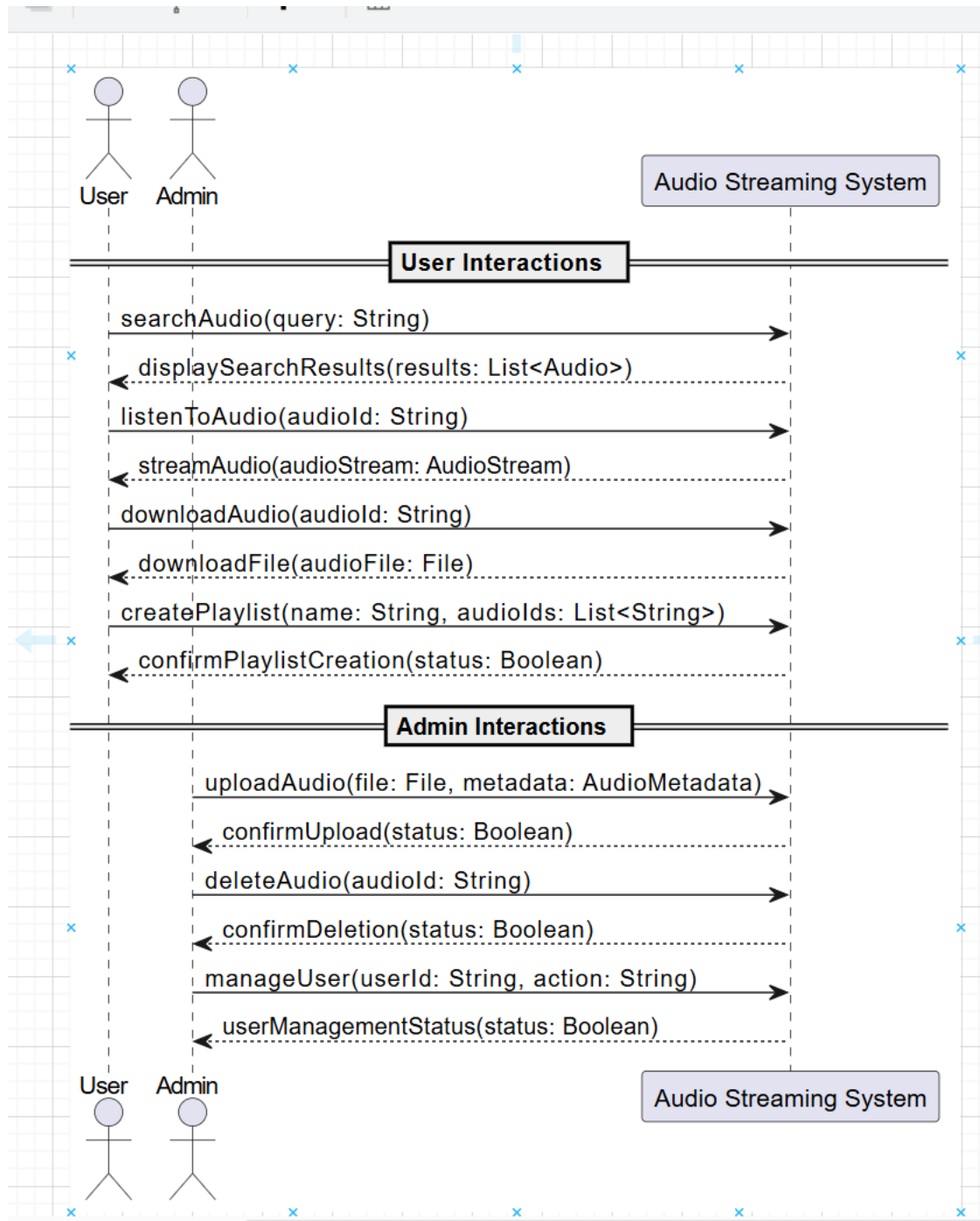
Main Success Scenario:

1. **Admin** navigates to the audio upload section in the admin interface.
2. **Admin** selects the option to upload a new audio file.
3. **System** prompts the Admin to select the audio file and provide metadata (e.g., title, artist, genre).
4. **Admin** selects the audio file from their device and enters the required metadata.
5. **System** verifies the file format, file size, and metadata completeness.
6. **System** stores the audio file in designated storage and saves the metadata in the database.
7. **System** confirms the successful upload and displays the uploaded audio entry to the Admin.

Extensions:

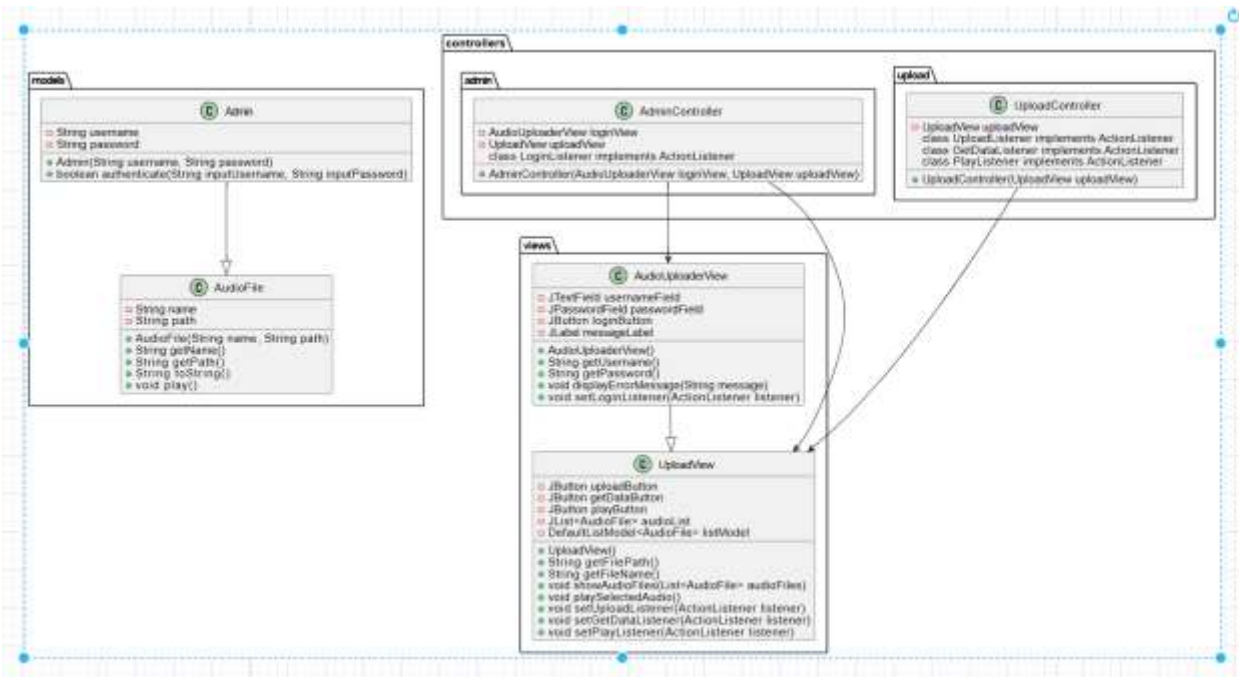
- **3a. File Format is Unsupported:**
 - **3a1.** The **System** detects an unsupported file format.
 - **3a2.** The **System** displays an error message, specifying the acceptable file formats.
 - **3a3.** The **Admin** may upload a supported format or cancel the upload.
- **4a. Metadata Validation Fails:**
 - **4a1.** Required metadata fields are incomplete or invalid.
 - **4a2.** The **System** displays an error, indicating the missing or incorrect fields.
 - **4a3.** The **Admin** corrects the metadata and resubmits the upload.

SSD

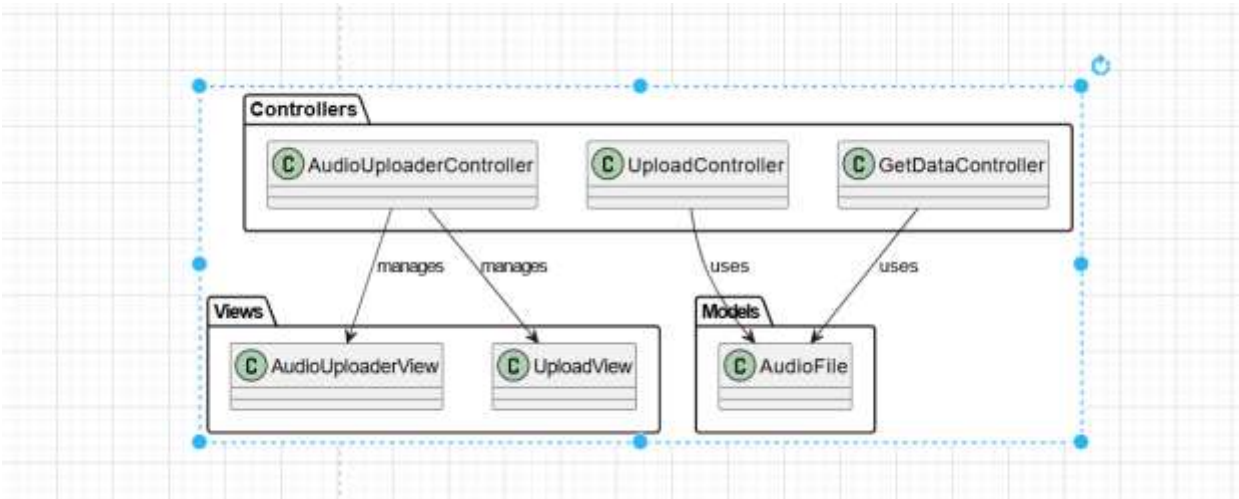


SDA Project

Class Diagram



Package Diagram



Communication Diagram

SDA Project

