

1. System Overview

The system shall facilitate the management of microphone schedules, which includes:

Manually creating scenes, naming them, setting their order, and assigning actors.

(Reasoning: This gives the director flexibility to control scene content and stage presence.)

Linking actors to the roles they play.

Managing multiple roles per actor.

Automating the creation of microphone schedules based on scene information.

2. User Requirements

Administrator:

Create, edit, and delete theatre productions.

Add and edit scenes and actors.

Assign actors to scenes.

Generate and adjust microphone schedules.

Export microphone schedules in various formats (e.g., PDF, Excel).

Actor:

View their own scenes and when they are active during the performance.

Optionally view others' scenes if necessary, based on read access or filters.

(Reasoning: This can replace the need for a specific "actor role" if the system offers sufficient reporting or view functions.)

View their assigned microphones.

Director:

Overview of the entire production's microphones and roles.

Ability to make adjustments to microphone schedules.

Track when actors are on stage and their microphones are active.

3. Functional Requirements

Scene Management (replaces script parsing):

Users create scenes manually instead of importing a full script.

Each scene can be named, ordered, and linked to a list of actors.

Role Management:

Ability to create and manage roles and assign multiple actors to each role.

Manage actors playing multiple roles in the same production.

Microphone Scheduling:

Automatic generation of microphone schedules based on actors' presence on stage.

Ability to manually adjust microphone schedules.

Interactivity:

Actors and directors shall be able to view and comment on their microphone schedules.

The system shall indicate when each microphone should be on or off based on scene requirements.

4. Technical Requirements

User Interface (UI):

Web-based interface that is responsive and user-friendly.

Easy navigation between scenes, roles, and microphone schedules.

Database:

A database storing information about actors, roles, scenes, and microphone schedules.

The database should handle complex relationships (e.g., one actor can have multiple roles).

Integrations:

Ability to export microphone schedules in various formats (e.g., Excel or PDF).

Security:

User permissions to ensure only administrators can make system changes.

Password-protected accounts to safeguard personal data.

5. Performance and Scalability

The system shall handle large productions with many scenes and actors without noticeable delay.

The system shall be scalable to support productions of various sizes and complexity levels.

6. Usability

The system shall be intuitive and require minimal user training.

Features such as drag-and-drop for assigning roles or adjusting schedules are advantageous.

Ability to quickly search and filter by actor, role, or specific scene.

7. Testing and Support

The system shall be tested to ensure scenes are handled correctly and schedules are generated without errors.

Provide user support for issues with scene management, schedules, or other technical questions.

8. Accessibility

The system shall be accessible via all major browsers (Chrome, Firefox, Safari, Edge).

Responsive design so users can work on both desktop and mobile devices.

The system should be developed with accessibility in mind, such as:

Screen reader support

Keyboard navigation

Sufficient color contrast and alternatives to visual information

9. Future Functionality

Possibility to add features such as live updates of microphone schedules in real time.

Integration with audio systems to automatically control microphones based on the schedule.

This document serves as an initial requirements specification for a microphone scheduling system for theatre productions. It is intended to be further developed in collaboration with users and developers based on technical choices and operational needs.