
Faculty of Engineering, Alexandria University
Computers and Systems Engineering Department



Software Engineering Milestone 2

Music Zone: An Online Virtual Music Listening Platform

Prepared By

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User Stories Covered in this Milestone

1. Admin Login
2. Admin functionalities:
 - a. Adding a music track to the system.
 - b. Editing a music track information.
 - c. Deleting a music track from the system.
 - d. Play the uploaded track.

Requirement Elicitation

Admin Login:

1. Admin login page is accessed through an internal URL [website_domain/admin]
2. Users logs in with valid email and password that have admin privileges to access admin board.
3. If there is an invalid email or password an error message is shown.
4. Admin board can't be accessed by users who don't have admin privileges or by users who didn't login.
5. In Case of a successful login, the admin is redirected to the dashboard.
6. In Case of failure in login, an error message is shown indicating invalid email or password.

Tracks Dashboard:

1. After admin enters the dashboard, there should be a link that navigates to the Tracks main page which should list all tracks available in the database.
2. The tracks page should have links to play
3. Each track should have a title, date of creation and updating.

Add New Track:

1. When adding a new track the user should provide a title as well as browsing his file system for the file itself.
2. Both title and the file itself are required.
3. In case title or file is missing, an error message should be shown when trying to create the track.
4. When track creation is successful, a success message should appear and details of the created track should be shown.

Edit Track:

1. The admin should have the ability to edit any track from the track list.
2. An Edit button should be next to each track that navigates admin to the edit track page.
3. The edit track page should be similar to the add new track page but with all forms filled with data of the track to be edited.

4. Both title and the file itself are required.
5. In case title or file is missing, an error message should be shown when trying to edit the track.
6. When track edit is successful, a success message should appear and details of the created track should be shown.

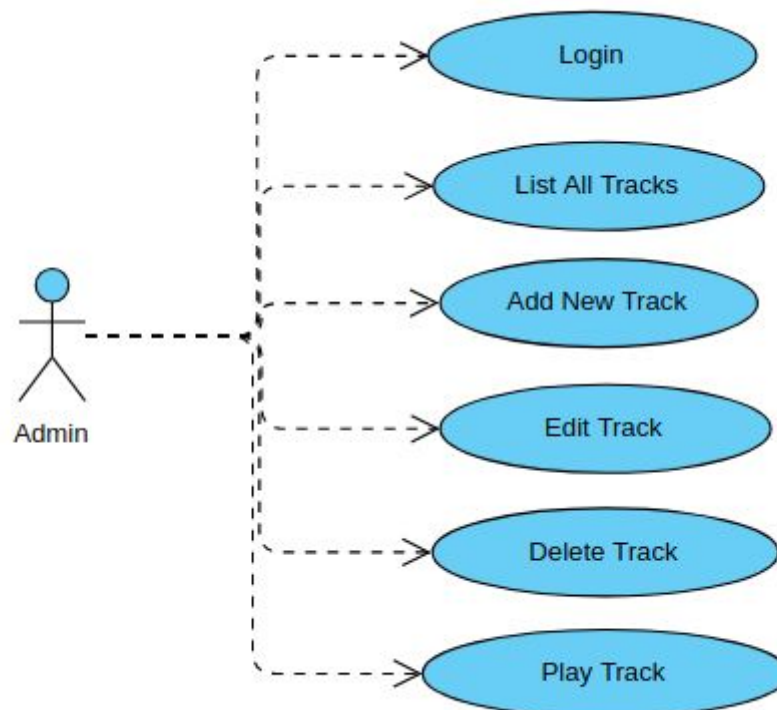
Delete Track:

1. The admin should have the ability to delete any track from the track list.
2. A Delete button should be next to each track that shows a confirmation dialogue when it is pressed.
3. When the admin confirms the deletion, the track should disappear from the list and deleted from the database.
4. When the user presses cancel the dialogue box should disappear.

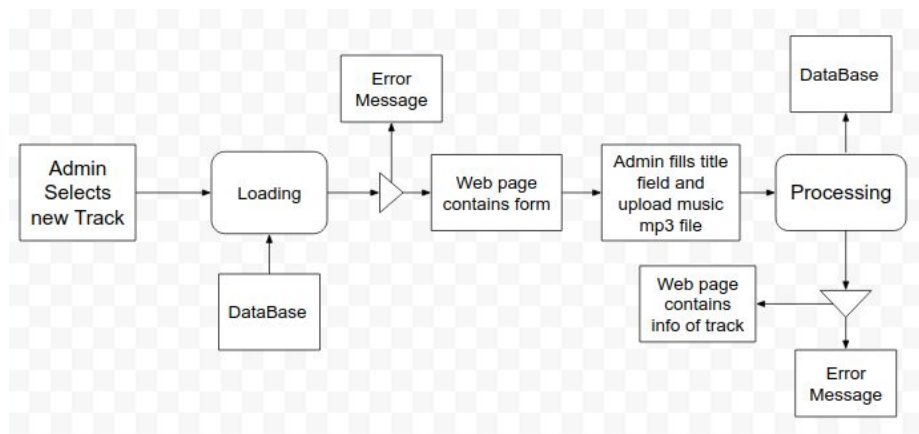
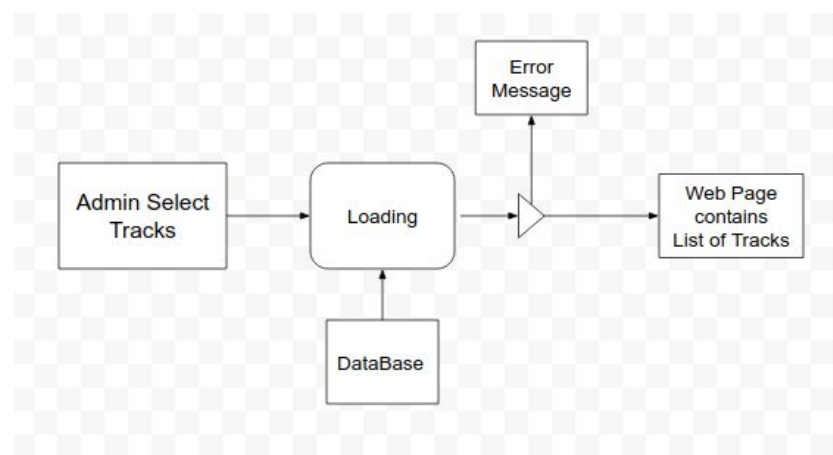
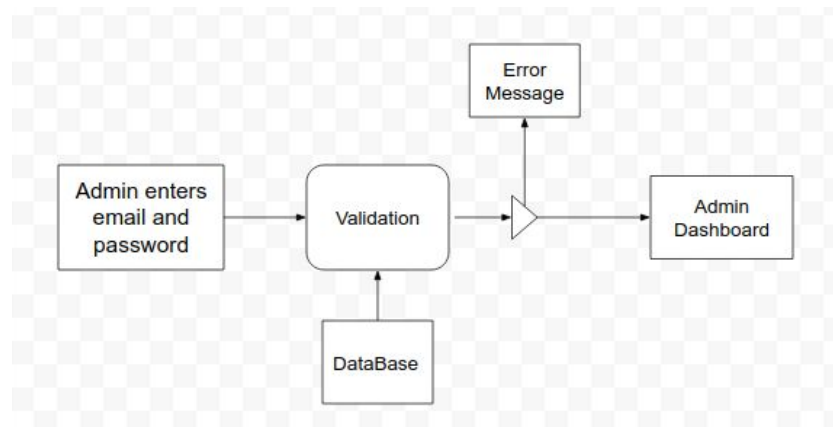
Play Track:

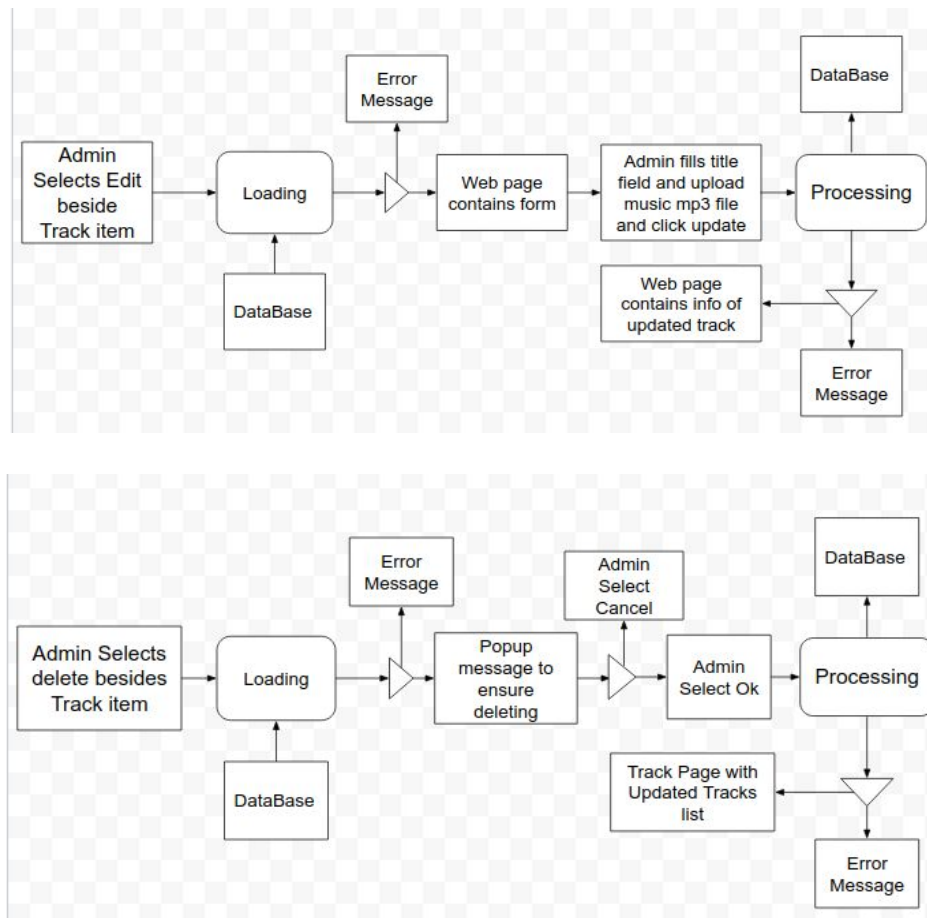
1. A Media player should appear next to each track in the tracks list.
2. The player should support play, pause, volume control and download functions

Use Cases in this Milestone



Activity Diagrams of Use Cases in this Milestone





Test Cases

Task 1: Admin Login

Input:

- 1- A String representing the email address of the admin.
- 2- A String representing the password of the admin.

Tests:

- 1- Tests for input when user tries to login without providing email and without providing password.
- 2- Tests for input when user tries to login without providing email.
- 3- Tests for input when user tries to login without providing password.
- 4- Tests for input when user tries to login providing invalid format email address.
- 5- Tests for input when user tries to login providing valid format email address but not registered in the database.
- 6- Tests for input when user tries to login providing valid format email address registered in the database and providing a non matching password.
- 7- Tests for input when user tries to login providing valid format email address registered in the database and providing its matching password.

Output:

Navigate to Admin Dashboard in case of success or error message in case of failure.

Task 2: Add Track

Input:

- 1- A String representing the title of the track.
- 2- A String representing the path of the mp3 file through a file browser.

Tests:

- 1- Tests for input when user tries to add a track without providing title and without providing file path.
- 2- Tests for input when user tries to add a track without providing title.
- 3- Tests for input when user tries to add a track without providing file path.
- 4- Tests for input when user tries to add a track providing title of an already uploaded track.
- 5- Tests for input when user tries to add a track providing valid title and a path of a non mp3 file.
- 6- Tests for input when user tries to log add a track providing valid title and a valid path of a valid mp3 file.

Output:

Success message in case of success or error message in case of failure.

Task 3: Edit Track

Input:

- 1- A String representing the title of the track.
- 2- A String representing the path of the mp3 file through a file browser.

Tests:

- 1- Tests for input when user tries to edit a track without providing title and without providing file path.
- 2- Tests for input when user tries to edit a track without providing title.
- 3- Tests for input when user tries to edit a track without providing file path.
- 4- Tests for input when user tries to edit a track providing valid title and a path of a non mp3 file.
- 5- Tests for input when user tries to log add a track providing valid title and a valid path of a valid mp3 file.

Output:

Success message in case of success or error message in case of failure.

Task 4: Delete Track

Input:

1- Click on Delete Button next to any track.

Tests:

1- Tests for input when user tries to delete any track from the tracks list.

Output:

Success message and track entry disappears from the table of tracks in case of success or error message in case of failure.