

USER MANUAL

Development of a Karaoke Application for Language Learning

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Table of Contents

1. General Description of System

2.How to Use for Karaoke Application

2.1. Login Page (Designed For Admin and Lecturer)

2.2. Admin User

2.2.1. Main Page

2.2.2. Add Song Page

2.2.3. Delete User Page

2.2.4.Create User Page

2.2.5. Delete Song Page

2.3. Lecturer User

2.3.1. Main Page

2.3.2. Start Karaoke Page

2.3.3. Add Student Page

2.3.4. Score Table Page

2.3.5. Karaoke Page

1. General Description of System

Karaoke is an application that is used for entertainment in nowadays. In the karaoke, although scoring seems based on the rate of singing song correctly, scoring is calculated according to whether the sound signals such as peaks and pit areas in the spectrum, match or not in the coding part. In the Karaoke which is our senior project, is an application that based on the correct pronunciation of the words during singing and score is designated according to these words and matching signals, different from other karaoke applications. Aim of this karaoke application is teaching English to the children who are pre-kindergarten level or elementary school level.

2.How to Use for Karaoke Application

Our system can be used by Admin and Lecturer.

2.1. Login Page (Designed For Admin and Lecturer)

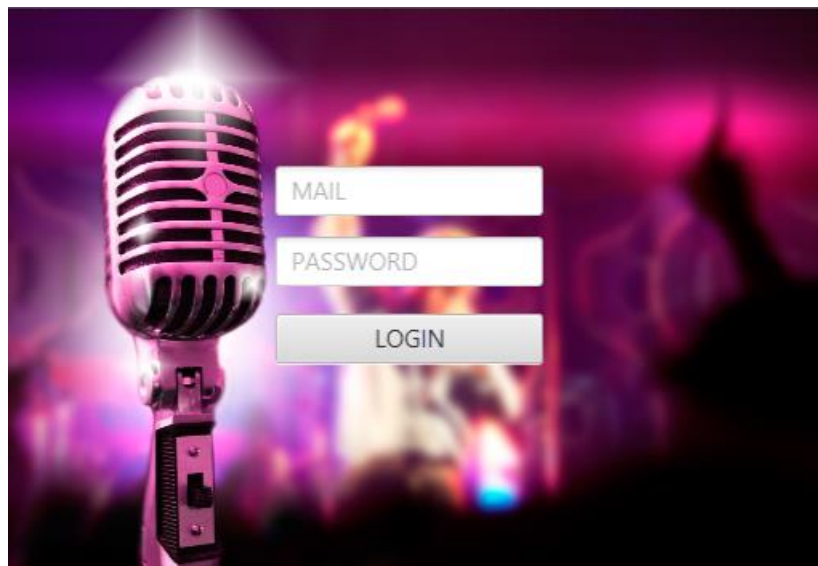


Fig.1: Login Page

Users previously added to the system by admin must enter the username and password and click the “Login” button. If user is Lecturer, user direct to LecturerMainPage. However, if user is Admin, user direct to AdminMainPage.

2.2. Admin User

Main Page, Add Song Page, Delete User Page, Create User Page and Delete Song Page designed for admin.

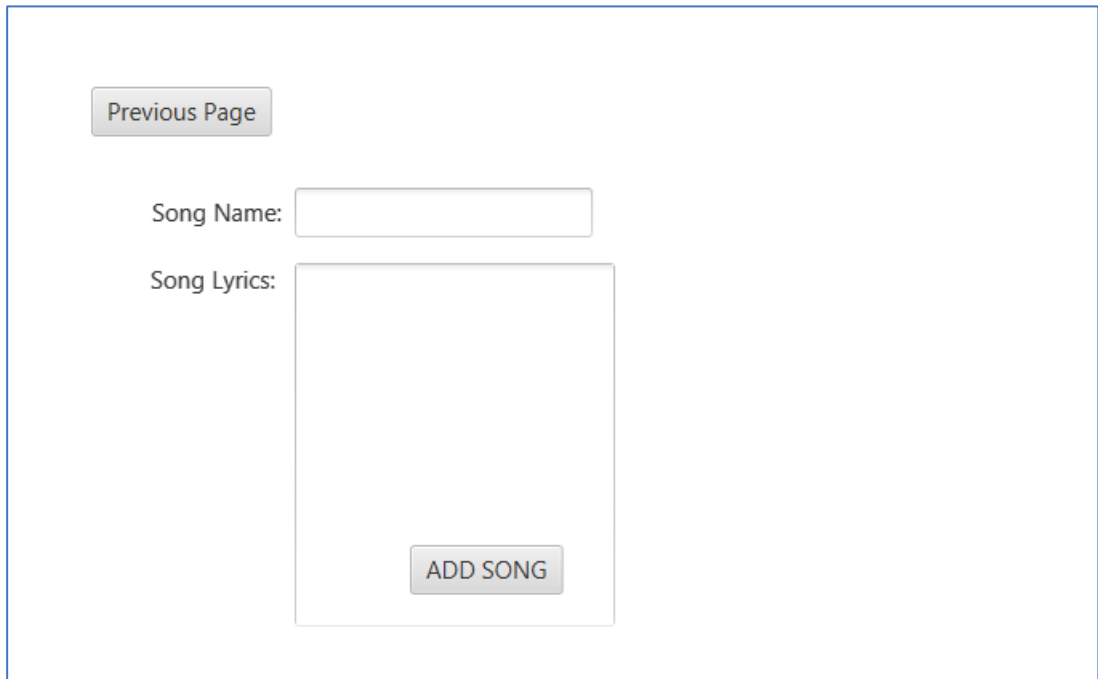
2.2.1. Main Page



Fig.2: Main Page for Admin

This page include four operations including Add Song, Delete Song, Create Song and Delete Song. Person who are Admin can select button.

2.2.1. Add Song Page

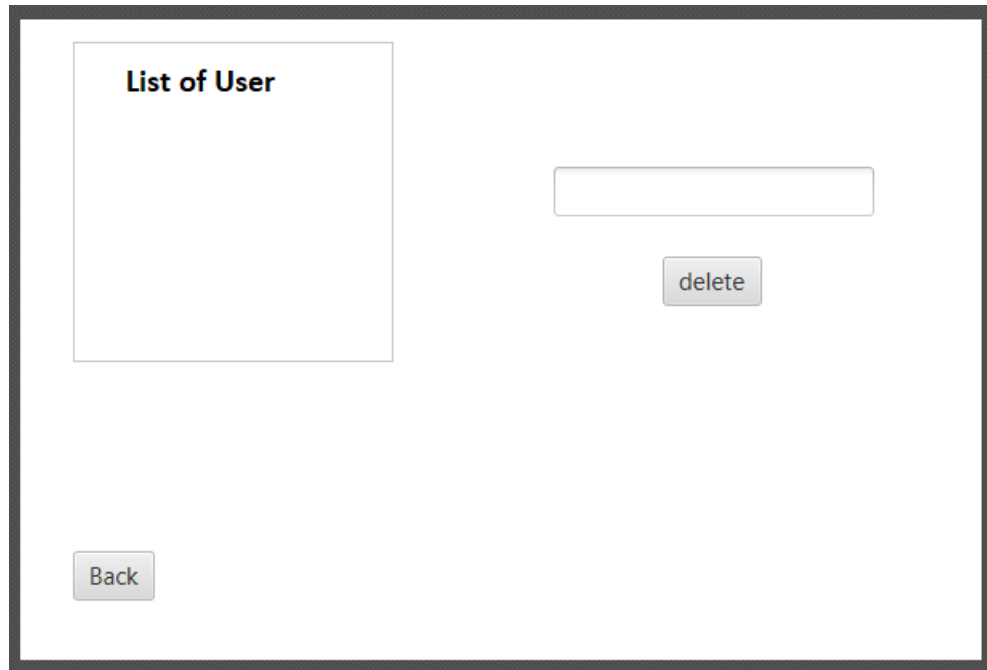


The image shows a web form for adding a new song. It is enclosed in a blue rectangular border. At the top left, there is a button labeled "Previous Page". Below this, the form consists of two main input areas. The first is labeled "Song Name:" followed by a single-line text input field. The second is labeled "Song Lyrics:" followed by a larger, multi-line text input area. At the bottom right of the lyrics input area, there is a button labeled "ADD SONG".

Fig.3: Add Song Page

Firstly Admin can fill song name and song lyrics, in order to add new song. After that admin should click “ADD SONG” button. In addition, when Admin want to turn back previous page, Admin should click “Previous Page” button.

2.2.3 Delete User Page



The image shows a web page layout for deleting a user. It features a large rectangular box on the left labeled "List of User". To the right of this box is a horizontal input field. Below the input field is a button labeled "delete". In the bottom-left corner of the page area, there is a button labeled "Back".

Fig.4: Delete User Page

List of user show that all users. Admin can select which delete user and than should click “delete” button. In addition, when Admin want to turn back previous page, Admin should click “Back” button.

2.2.4 Create User Page



The screenshot shows a web form for creating a new user. The form is set against a dark, abstract background with a grid-like pattern on the left side. The form elements are as follows:

- A "Back" button located in the top left corner of the form area.
- Four input fields stacked vertically, labeled "Name", "Surname", "E-Mail", and "Password".
- An "ADD USER" button located at the bottom right of the form area.

Fig.5: Create User Page

When Admin want to add new user, Admin should enter Name, Surname, E-Mail and Password. After that Admin should click “ADD USER” button. In addition, when Admin want to turn back previous page, Admin should click “Back” button.

2.2.5 Delete Song Page



The image shows a wireframe of a 'Delete Song Page'. It features a large rectangular box on the left labeled 'List of Song'. To the right of this box is a horizontal input field. Below the input field is a button labeled 'delete'. In the bottom-left corner of the page area, there is a button labeled 'Back'.

Fig.6: Delete Song Page

List of song show that all song. Admin can select which delete song and than should click “delete” button. In addition, when Admin want to turn back previous page, Admin should click “Back” button.

2.3. Lecturer User

Main Page, Start Karaoke Page, Add Student Page, Score Table Page and Karaoke Page designed for Lecturer User.

2.3.1. Main Page

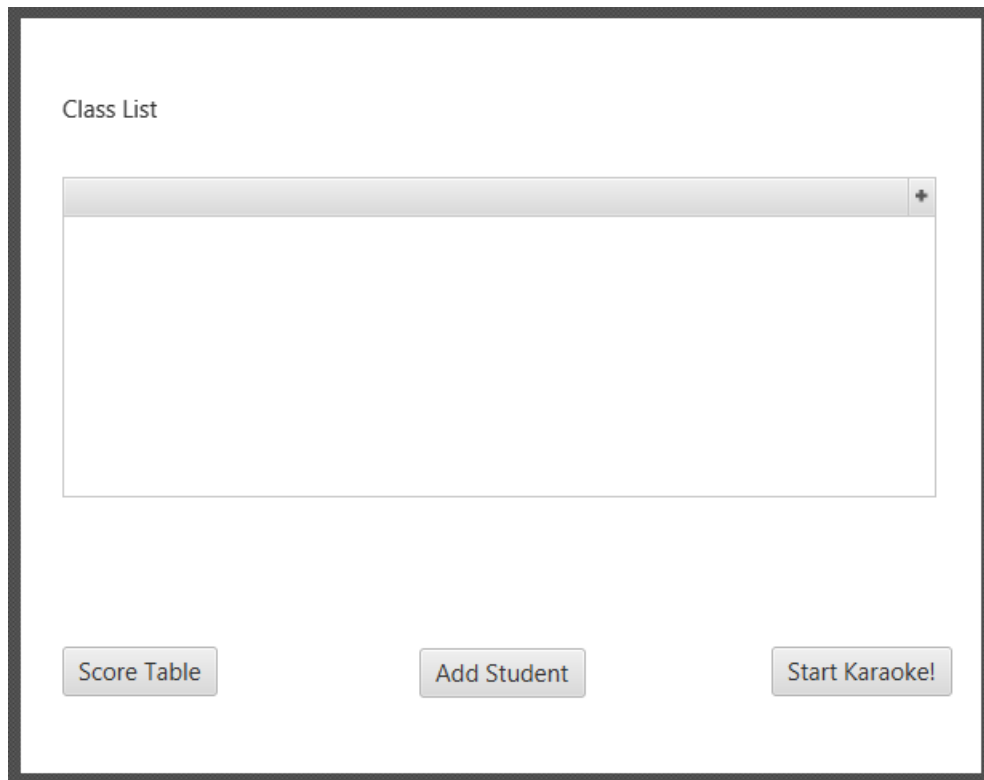
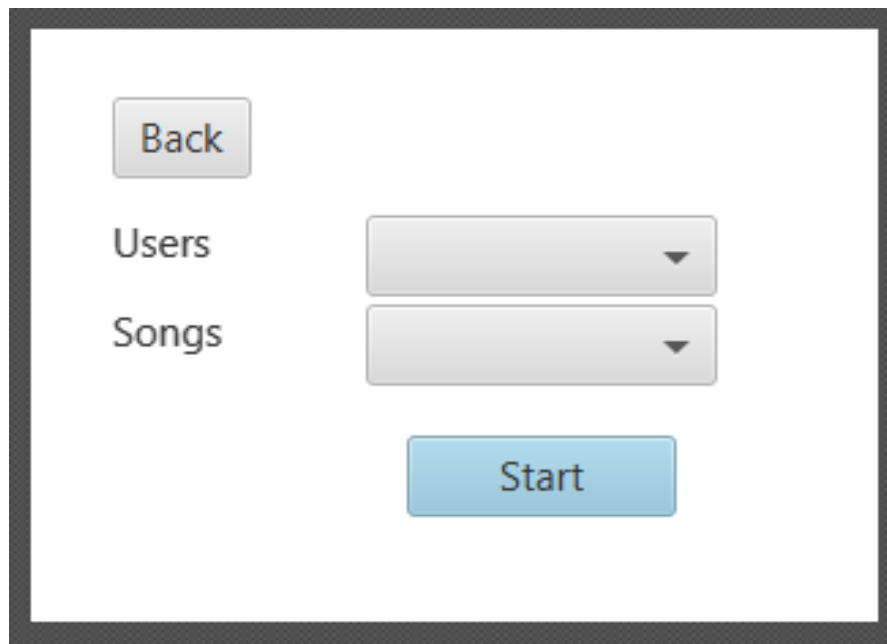


Fig.7: Main Page for Lecturer

Lecturer can select operations including “Score Table”, “Add Student” or “Start Karaoke!”, before Lecturer select class through class list.

2.3.2. Start Karaoke Page

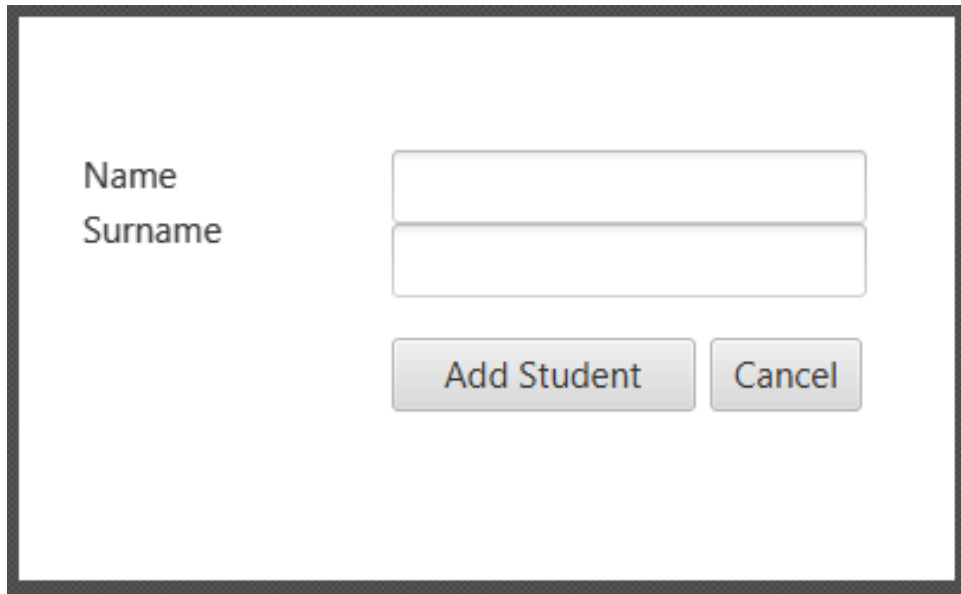


The image shows a web interface for starting a karaoke session. It is enclosed in a dark gray border. At the top left is a gray button labeled "Back". Below it are two labels, "Users" and "Songs", each followed by a gray dropdown menu with a downward arrow. At the bottom center is a blue button labeled "Start".

Fig.8: Start Karaoke Page

Lecturer should select user through User drop down list and should select songs through Songs drop down list in order to starts Karaoke. In addition, when Lecturer want to turn back previous page, Lecturer should click “Back” button.

2.3.3. Add Student Page

A screenshot of a web form titled "Add Student Page". The form is enclosed in a dark border. It contains two input fields: "Name" and "Surname". Below these fields are two buttons: "Add Student" and "Cancel".

Name	<input type="text"/>
Surname	<input type="text"/>
<input type="button" value="Add Student"/> <input type="button" value="Cancel"/>	

Fig.9: Add Student Page

Lecturer should enter Name and Surname in order to that new student through “Add Student” button. In addition, when Lecturer want to cancel this operation, Lecturer should click “Cancel” button.

2.3.4. Score Table Page



The image shows a user interface for a 'Score Table Page'. It features a 'Back' button in the top left corner. Below it is a label 'Singers:' followed by a dropdown menu. The main area of the page is a large, empty rectangular box, likely intended for displaying a table of scores.

Fig.10: Score Table Page

Lecturer should select singers through Singers drop down list in order to display score of singers. In addition, when Lecturer want to turn back previous page, Lecturer should click “Back” button.

2.3.5. Karaoke Page

Songs Lyrics

IT'S A NEW BEGINNING ...

Fig.11: Karaoke Page

The lyrics of the selected song will be reflected on the screen simultaneously with the music.