



MUSIC LIBRARY — RDBMS — CSE-4508

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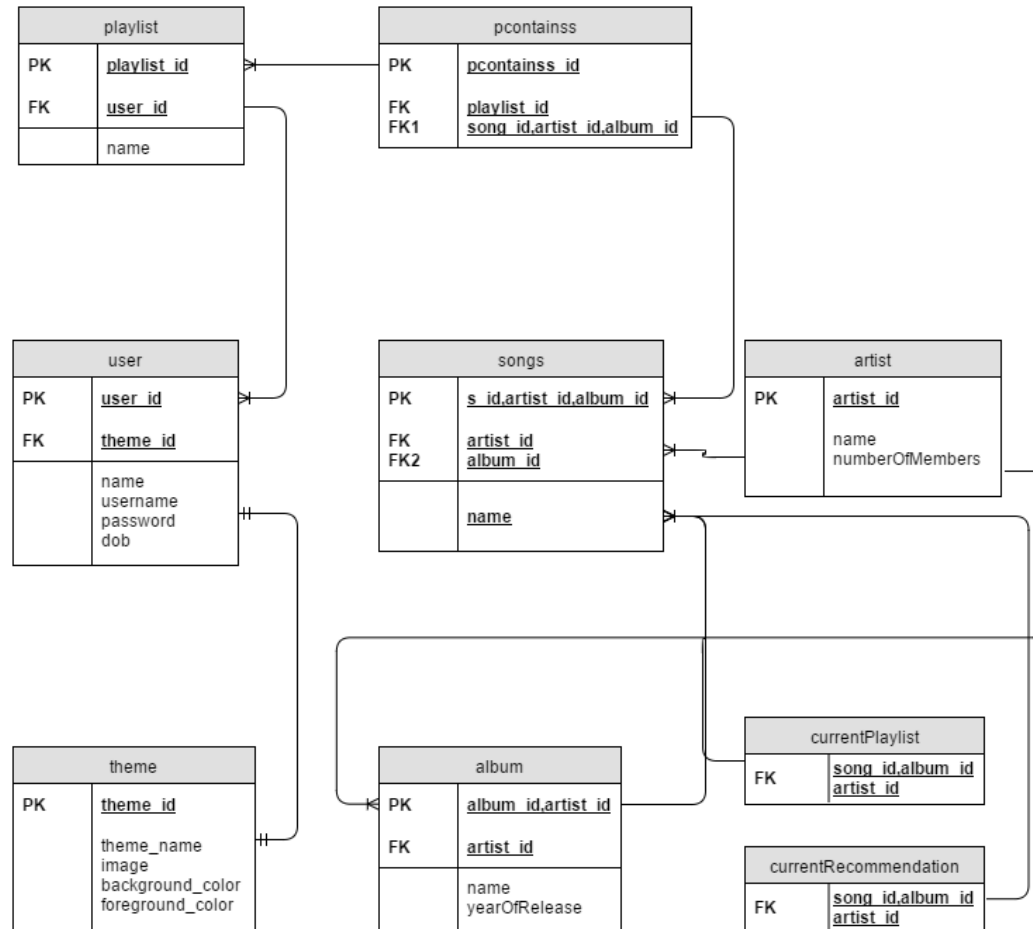
INTRODUCTION

- Personal music publication
- Personalized interface
- Cross-platform synchronization
- Enhanced categorization
- Integrated information about artists

FRONT-END FEATURES

- To provide a feasible music platform
- Structure – Lexicographical Hashed List for Artists, Albums and Songs
- Enhanced search feature due to efficient hash map on the front-end
- Personalized User Interface

ENTITY RELATIONSHIP DIAGRAM



SEARCHING

- Priority based searching from the back-end
- Increasing song priority upon insertion into “currentPlaylist” using database trigger
- Song with the highest priority that complies with the search criteria is shown at the top

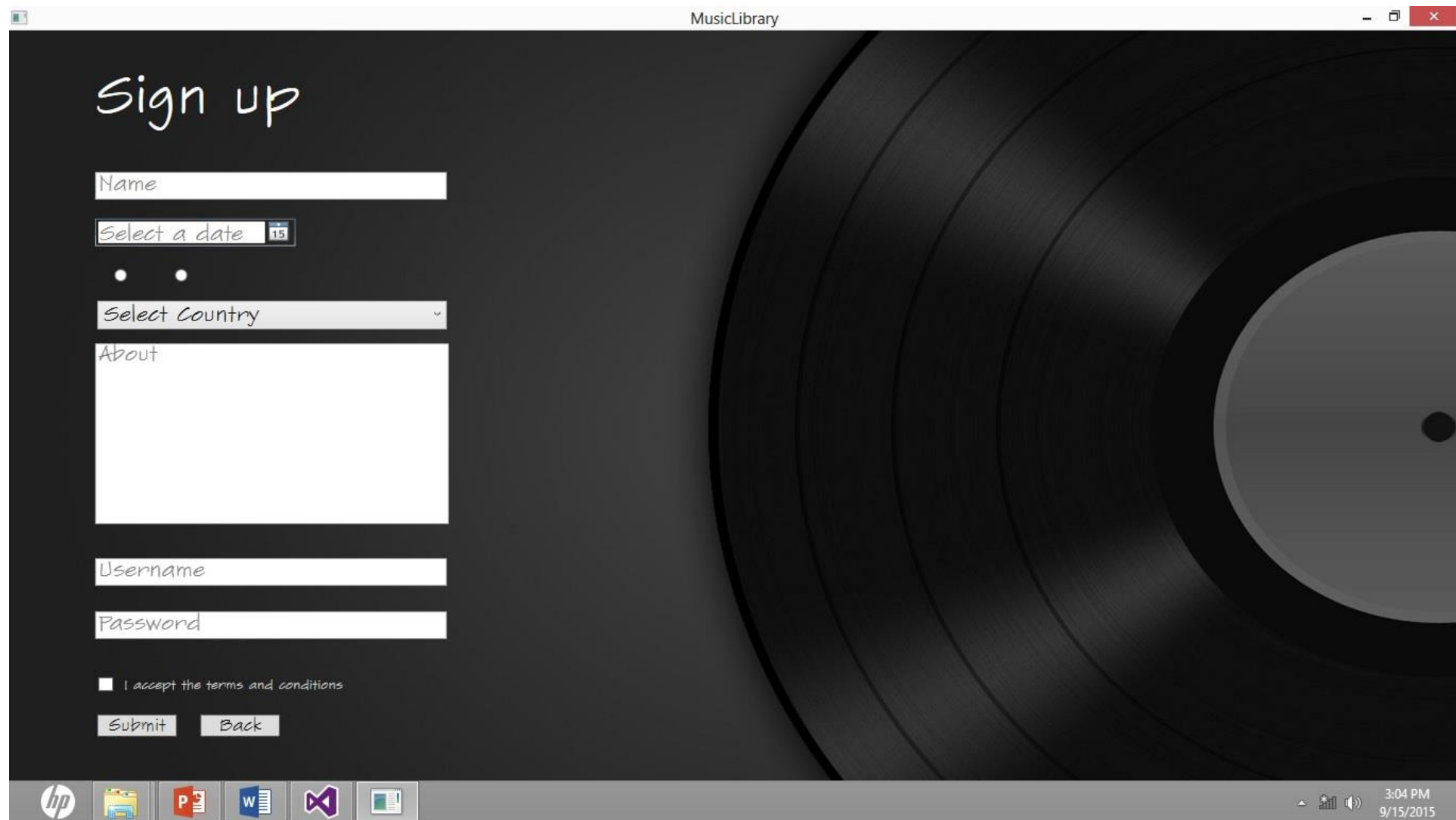
SONG RECOMMENDATIONS

- Songs are recommended based on the similarity of the genre
- Recommended songs appear in the “currentRecommendation” table upon inserting a song into the “currentPlaylist” table using database trigger

LOGIN PAGE



SIGNUP PAGE



The image shows a web browser window titled "MusicLibrary" displaying a "Sign up" page. The page has a dark background with a large, stylized vinyl record on the right side. The "Sign up" text is in a white, handwritten-style font. The form includes several input fields: "Name", "Select a date" (with a calendar icon showing "15"), "Select Country" (with a dropdown arrow), "About" (a large text area), "Username", and "Password". Below the "About" field, there is a checkbox labeled "I accept the terms and conditions". At the bottom of the form are two buttons: "Submit" and "Back". The Windows taskbar is visible at the bottom, showing icons for HP, File Explorer, PowerPoint, Word, and Skype, along with the system clock indicating 3:04 PM on 9/15/2015.

MusicLibrary

Sign up

Name

Select a date 15

Select Country

About

Username

Password

☐ I accept the terms and conditions

Submit Back

LIBRARY - PLAYLIST

The screenshot shows a web browser window titled "MusicLibrary". The interface has a teal background with a large image of headphones and musical notes. At the top, there are navigation tabs: "About Me", "Favorites", "Library" (which is active), "Settings", "Social Buzz", "Concert Updates", and "Merchandise". Below the tabs is a search bar with the text "Search" and two buttons: "Youtube Search" and "Affiliated Artist Search".

On the left side, there is a "Playlist" sidebar. It contains a "Select" dropdown menu with "Create Playlist" selected. Below this are buttons for "newPlaylist" and "Save". Further down are buttons for "Add to Playlist", "Delete Songs", and "Delete Playlist". Below these is a section titled "newPlaylist" which lists "Don't Stay" and "Faint". At the bottom of the sidebar is a "Log out" button.

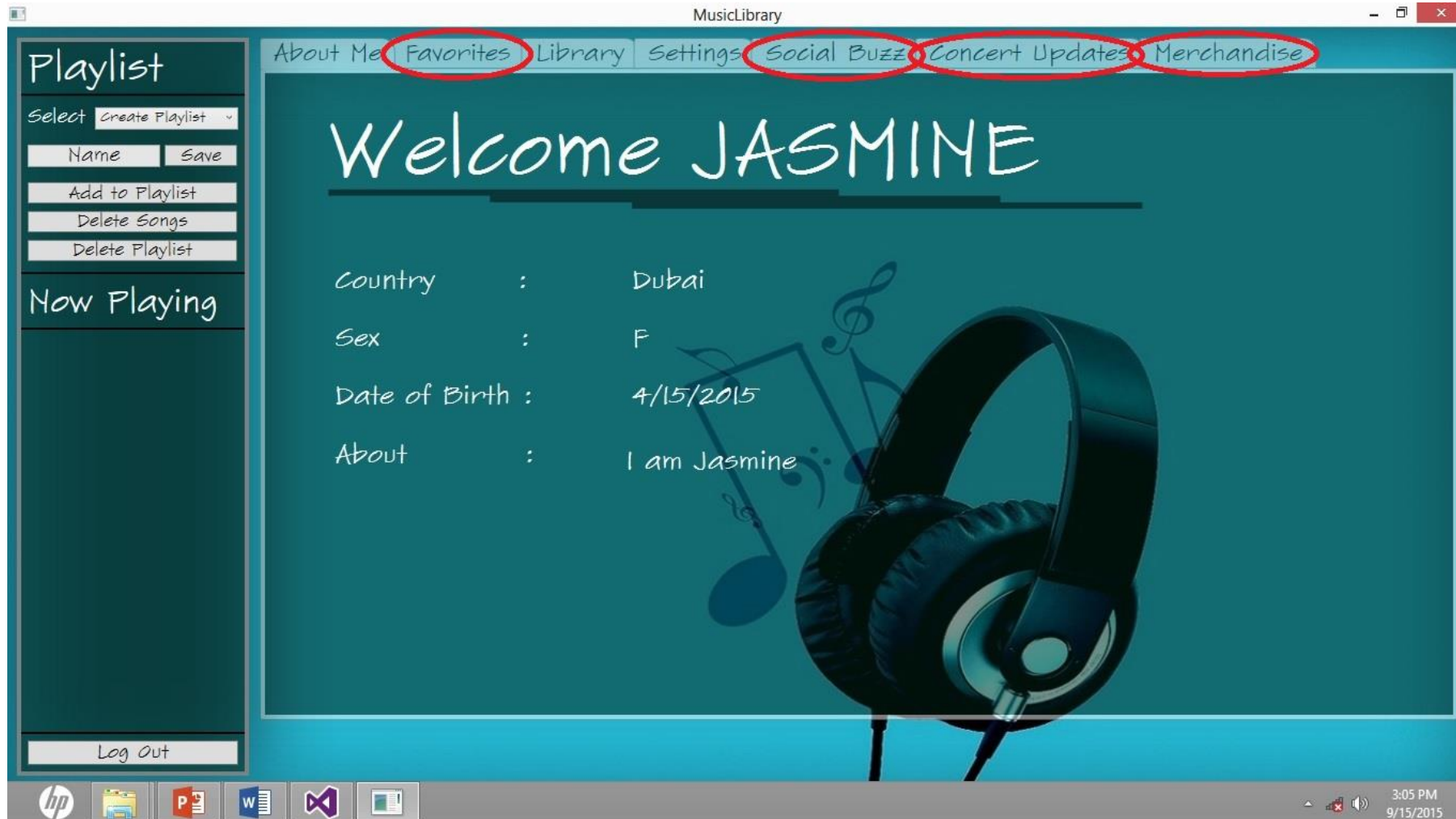
The main content area displays a list of artists and songs. Under the "Linkin Park" artist, there is a list of songs with their durations:

Song	Duration
Don't Stay	3:16
Somewhere I Belong	4:09
Lying From You	2:57
Faint	3:41
Breaking The Habit	4:15

Below the Linkin Park section, there are lists for "Minutes to Midnight", "Lifehouse", and "Nickelback".

The Windows taskbar at the bottom shows the HP logo, several application icons (File Explorer, PowerPoint, Word, etc.), and the system clock indicating 3:07 PM on 9/15/2015.

FAVORITES, SOCIAL MEDIA, CONCERT AND MERCHANDISE UPDATES



SETTINGS - THEME

