## Final Project Supplement

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17:610:557 Database Design & Management
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**Access information (IMPORTANT!)**
For website access beyond the user login page, users must first login with a valid account. Regular users have access to every page outside of the Add/Edit Music section. <u>Only users with admin privileges (1 in the admin column) can access the Add/Edit music section.</u>
Users can also register for new accounts, provided that they are not using an email address attached to an existing account. New users who register through the web page provided are automatically considered regular users. Admin privileges cannot be granted to these new users through the website.
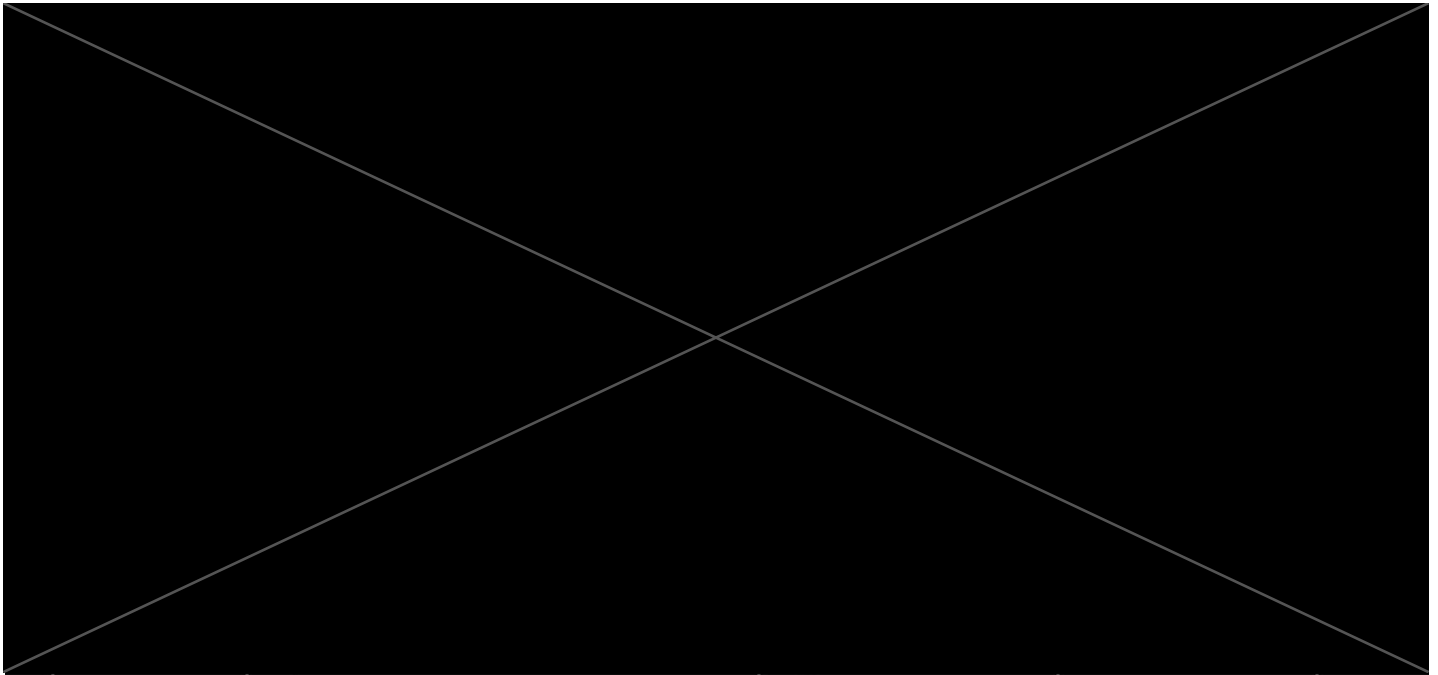


Above is a screenshot from MySQL Workbench of all registered accounts (as of December 16, 2020). Accounts with admin privileges contain the value 1 in the admin column.

Once logged in to the website, the login session should stay active as long as the browser window is not closed. All the links on the next page should work properly once logged in, and will not redirect back to the user login page.

**Website structure**

Login: http://lh656.rutgers-sci.domains/database/dbproj/userlogin.php
Register: http://lh656.rutgers-sci.domains/database/dbproj/register.php
Home: http://lh656.rutgers-sci.domains/database/dbproj/home.php
*Browse*
>>>      Browse Songs: http://lh656.rutgers-sci.domains/database/dbproj/browse_song.php
>>>      >>>      View Song: http://lh656.rutgers-sci.domains/database/dbproj/browse_song.php?s_id=1 *
>>>      Browse Albums: http://lh656.rutgers-sci.domains/database/dbproj/browse_album.php
>>>      >>>      View Album: http://lh656.rutgers-sci.domains/database/dbproj/browse_album-view.php?a_id=1 *
>>>      Browse Musicians: http://lh656.rutgers-sci.domains/database/dbproj/browse_musician.php
>>>      >>>      View Musician: http://lh656.rutgers-sci.domains/database/dbproj/browse_musician-view.php?m_id=1 *
*Favorites*
>>>      Favorite Songs: http://lh656.rutgers-sci.domains/database/dbproj/favsongs.php
>>>      Favorite Albums: http://lh656.rutgers-sci.domains/database/dbproj/favalbums.php
>>>      Favorite Musicians: http://lh656.rutgers-sci.domains/database/dbproj/favmusicians.php
Account Information: http://lh656.rutgers-sci.domains/database/dbproj/accountinfo.php
Add/Edit Music: http://lh656.rutgers-sci.domains/database/dbproj/add-edit.php
>>>      Add/Edit Albums: http://lh656.rutgers-sci.domains/database/dbproj/ae_albums.php
>>>      >>>      Add Album: http://lh656.rutgers-sci.domains/database/dbproj/ae_album-new.php
>>>      >>>      Edit Album: http://lh656.rutgers-sci.domains/database/dbproj/ae_album-select.php?a_id=1 *
>>>      >>>      >>>      Add Song: http://lh656.rutgers-sci.domains/database/dbproj/ae_album-select_song-new.php
>>>      >>>      >>>      Edit Song: http://lh656.rutgers-sci.domains/database/dbproj/ae_album-select_song.php?s_id=1 *
>>>      Add/Edit Musicians: http://lh656.rutgers-sci.domains/database/dbproj/ae_musicians.php
>>>      >>>      Add Musician: http://lh656.rutgers-sci.domains/database/dbproj/ae_musician-new.php
>>>      >>>      Edit Musician: http://lh656.rutgers-sci.domains/database/dbproj/ae_musician-select.php?m_id=1 *
Resources Consulted: http://lh656.rutgers-sci.domains/database/dbproj/resources.php


\* the id in the url can be changed to any primary key id in the corresponding table
        s: songs
        a: albums
        m: musicians

## Location of required front-end elements

- 1 home screen with menu
  - *see* Home
- At least 1 create page to add/insert new records
  - *see* Register, Add Album, Add Song, Add Musician
- At least 1 read page to view the reports generated to answer 3 business questions
  - *see* Home (user favorite genres), View Musician (song credits, musician top genres)
- At least 1 update page to update data
  - *see* Account Information, Edit Album, Edit Song, Edit Musician
- Users should be allowed to select the row to update from a table
  - *see* Add/Edit Albums, Edit Album, Add/Edit Musicians, Edit Musicians
- The fields in the update page should be automatically populated with data currently existing within the database for the selected row
  - *see* Edit Album, Edit Song, Edit Musician
- At least 1 delete page to delete data
  - *see* Edit Album, Edit Song, Edit Musician
- Users should be allowed to select the row to delete either from a table or from a drop down menu of values available in the database
  - *see* Edit Album, Edit Song, Edit Musician
- Basic validation of user input
  - *see* Register, Account Information, Add Album, Edit Album, Add Song, Edit Song, Add Musician, Edit Musician

## Main back-end tables

- musicians
  - records can be created, read, updated, deleted through user interface
- albums
  - records can be created, read, updated, deleted through user interface
- songs
  - records can be created, read, updated, deleted through user interface
- genres
  - records can be read through user interface
- accounts
  - records can be created, updated through user interface