

# Database Queries

## Staff

| Type of Query | Query Specifics   | MySQL Query   |
|---------------|---|---|
| Select        |   |   |
|               | View all users accounts   | SELECT * FROM UserAccount;  |
|               | View all staff and admin members                                    | SELECT * FROM UserAccount, StaffAccount, AdminAccount WHERE UserAccount.userEmail = StaffAccount.userEmail OR UserAccount.userEmail = AdminAccount.email; |
|               | View all current orders   | SELECT * FROM Order ORDER BY orderID AESC;  |
|               | View all items in the store   | SELECT productID, name, price, maxQuantity FROM Product ORDER BY productID AESC;  |
|               | View all blog posts   | SELECT blogID, title FROM BlogPost ORDER BY blogID AESC;  |
| Insert        |   |   |
|               | Add items to the store  | INSERT INTO Product (name, description, price, maxQuantity) VALUES (' <i>name</i> ', ' <i>description</i> ', ' <i>price</i> ', ' <i>maxQuantity</i> ');   |
|               | Add posts to the blog   | INSERT INTO BlogPost (title, timestamp, text) VALUES (' <i>title</i> ', ' <i>timestamp</i> ', ' <i>text</i> ');   |
| Update        |   |   |
|               | Pull an item from the store and edit specific details for the item. | UPDATE Product SET <i>column1</i> = <i>value1</i> , <i>column2</i> = <i>value2</i> , etc WHERE productID = [ <i>given parameter</i> ];                    |
|               | Pull a blog post from the blog to edit parts of the post.           | UPDATE BlogPost <i>column 1</i> = <i>value 1</i> , <i>column2</i> = <i>value2</i> , etc WHERE blogID = [ <i>given parameter</i> ];                        |
| Delete        |   |   |
|               | Delete specific account   | DELETE FROM UserAccount WHERE   |

|  |                               |  |
|--|-------------------------------|--|
|  |                               | userEmail = <i>[given parameter]</i> ;                           |
|  | Delete item(s) from the store | DELETE FROM Product WHERE productID = <i>[given parameter]</i> ; |

## Admin

Admin accounts have all the same privileges as staff accounts and can perform the same queries in addition to certain other queries.

| Type of Query | Query Specifics                                   | Query  |
|---------------|---|--|
| Insert        |   |  |
|               | Create staff members and add them to the database | INSERT INTO StaffAccount (userEmail) VALUES (SELECT UserAccount.userEmail FROM UserAccount WHERE UserAccount.userEmail = <i>given parameter</i> );   |
| GRANT         |   |  |
|               | Give permissions to specific staff members        | GRANT SELECT ON UserAccount, Product, Order, BlogPost TO <i>given parameter</i> ;<br>GRANT UPDATE ON Product, BlogPost TO <i>given parameter</i><br>GRANT DELETE ON UserAccount, Product TO <i>given parameter</i> |

## Store

| Type of Query | Query Specifics   | Query   |
|---------------|---|---|
| Select        |   |   |
|               | Show all items of a specific category from the store            | SELECT name, description, price FROM Product ORDER BY <i>given parameter</i>  |
| Insert        |   |   |
|               | Take a current item and add it to a user accounts specific cart | INSERT INTO CartItem (productID, userEmail, quantity) VALUES (' <i>product ID</i> ', ' <i>user email</i> ', ' <i>quantity</i> '); |

## Profile Page

| Type of Query | Query Specifics   | Query   |
|---------------|---|---|
| Insert/Update |   |   |
|               | Add songs to the page (artists only)                                | INSERT INTO Audio (filename, filetype, data) VALUES (' <i>file name</i> ', ' <i>file type</i> ', ' <i>data</i> ');  |
|               | Add/create event posts for upcoming shows (artists and venues only) | INSERT INTO EventPost (userEmail, title, timestamp, text) VALUES (' <i>user email</i> ', ' <i>title</i> ', ' <i>time stamp</i> ', ' <i>text</i> ');   |
|               | Add an event  | INSERT INTO ScheduledEvent (userEmail, startDate, endDate) VALUES (' <i>user email</i> ', ' <i>start date</i> ', ' <i>end date</i> ');  |
|               | Add address/payment information                                     | INSERT INTO Address (street, lineTwo, city, province, postalCode) VALUES (' <i>street</i> ', ' <i>line two</i> ', ' <i>city</i> ', ' <i>province</i> ', ' <i>postal code</i> ');<br>UPDATE UserAccount SET shippingAddressID = (SELECT addressID FROM Address WHERE street = <i>given parameter</i> AND city = <i>given parameter</i> AND postalCode = <i>given parameter</i> ) WHERE userEmail = <i>logged in user</i> ; |
|               | Add/Change profile picture  | INSERT INTO Image (filename, filetype, data) VALUES (' <i>file name</i> ', ' <i>file type</i> ', ' <i>data</i> ');<br>UPDATE UserAccount SET profileImageID = (SELECT imageID FROM Image WHERE filename = <i>given parameter</i> AND filetype = <i>given parameter</i> AND data = <i>given parameter</i> ) WHERE userEmail = <i>logged in user</i> ;  |
|               | Change users password   |   |
|               | Opt-out of newsletter   |   |
| Delete        |   |   |
|               | Delete the users account  |   |

## Artists Page

| Type of Query | Query Specifics                                 | Query  |
|---------------|---|--|
| Select        |   |  |
|               | View all artists signed up with Sleepovers      | SELECT * FROM ArtistAccount  |
|               | View certain artists based on specific criteria | SELECT * FROM ArtistAccount WHERE artistName LIKE <i>%given parameter%</i> ; |

## Venues Page

| Type of Query | Query Specifics                                | Query  |
|---------------|--|--|
| Select        |  |  |
|               | View all venues signed up with Sleepovers      | SELECT * FROM VenueAccount   |
|               | View certain venues based on specific criteria | SELECT * FROM VenueAccount WHERE venueName LIKE <i>%given parameter%</i> ; |
|               | View venue(s) being specifically looked for.   |  |

## Blog

| Type of Query | Query Specifics                  | Query   |
|---------------|----------------------------------|---|
| Select        |                                  |   |
|               | View all posts to the blog       | SELECT * FROM BlogPost ORDER BY timestamp DESC  |
|               | View posts from a specified date | SELECT * FROM BlogPost WHERE timestamp BETWEEN <i>given parameter 1</i> AND <i>given parameter 2</i> ORDER BY timestamp DESC; |

## Cart

| Type of Query | Query Specifics                            | Query   |
|---------------|--|---|
| Select        |  |   |
|               | View all items in the logged in users cart | SELECT * FROM CartItem WHERE userEmail = <i>logged in user</i> ;                                      |
| Update        |  |   |
|               | Change quantity of items in cart           | UPDATE CartItem SET quantity = <i>given parameter</i> WHERE userEmail = <i>logged in user</i> ;       |
| Delete        |  |   |
|               | Delete item(s) from cart                   | DELETE FROM CartItem WHERE productID = <i>given parameter</i> AND userEmail = <i>logged in user</i> ; |

## Create Account

| Type of Query | Query Specifics         | Query   |
|---------------|-------------------------|---|
| Insert        |                         |   |
|               | Create new user account | INSERT INTO UserAccount (userEmail, firstName, lastName) VALUES (' <i>user email</i> ', ' <i>first name</i> ', ' <i>last name</i> ');<br>INSERT INTO Password (userEmail, hash, salt) VALUES (' <i>user email</i> ', ' <i>hash</i> ', ' <i>salt</i> '); |