

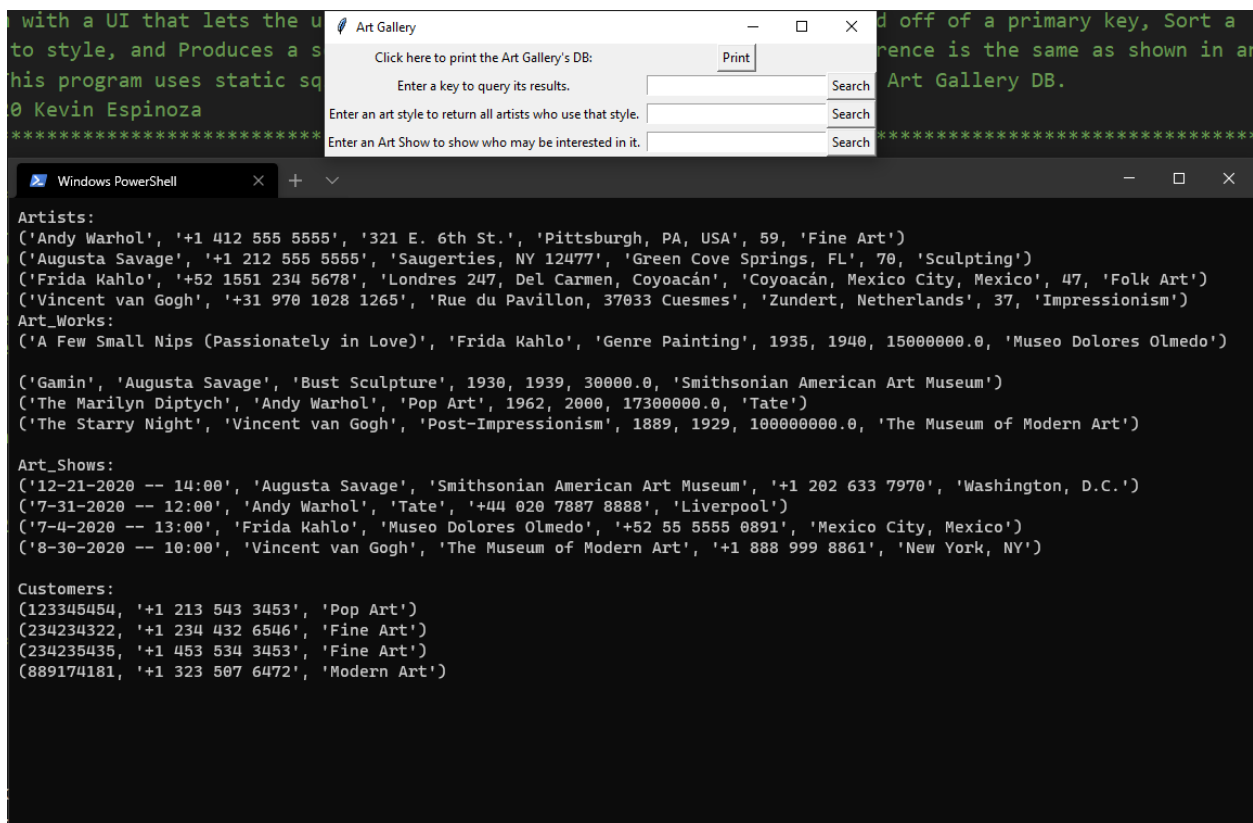
Kevin Espinoza

332-02 Final Project Part3

This program was written in Python 3. It utilizes static SQL as the program does not allow the user to edit the Art Gallery DB, rather it only allows for queries. The Art Gallery DB follows the same ER Diagram as turned in from Part1 and uses the SQL script that was turned in for Part2.

The program when ran gives the user a working UI where the user has the option to query the entire database, look for a certain artist, etc. Each function will be displayed with its own description down below. The program also automatically clears text input boxes after each button press.

- 1.) Full Query – This function lets us output the entire database from our MySQL connection to the terminal.

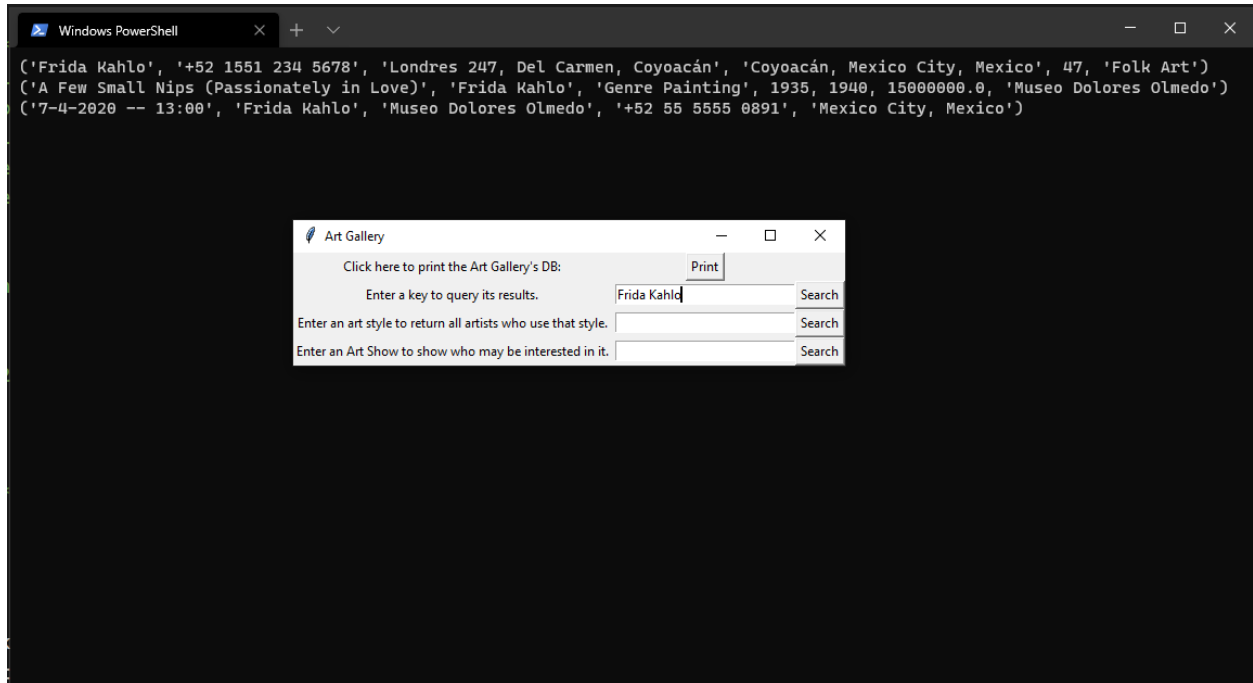


The screenshot displays the 'Art Gallery' application window and a Windows PowerShell terminal window. The application window has a title bar 'Art Gallery' and a 'Print' button. It contains three text input fields with corresponding 'Search' buttons. The first field is labeled 'Click here to print the Art Gallery's DB:'. The second field is labeled 'Enter a key to query its results.'. The third field is labeled 'Enter an art style to return all artists who use that style.'. The fourth field is labeled 'Enter an Art Show to show who may be interested in it.'. The terminal window shows the output of the application, which includes a list of artists, art works, art shows, and customers.

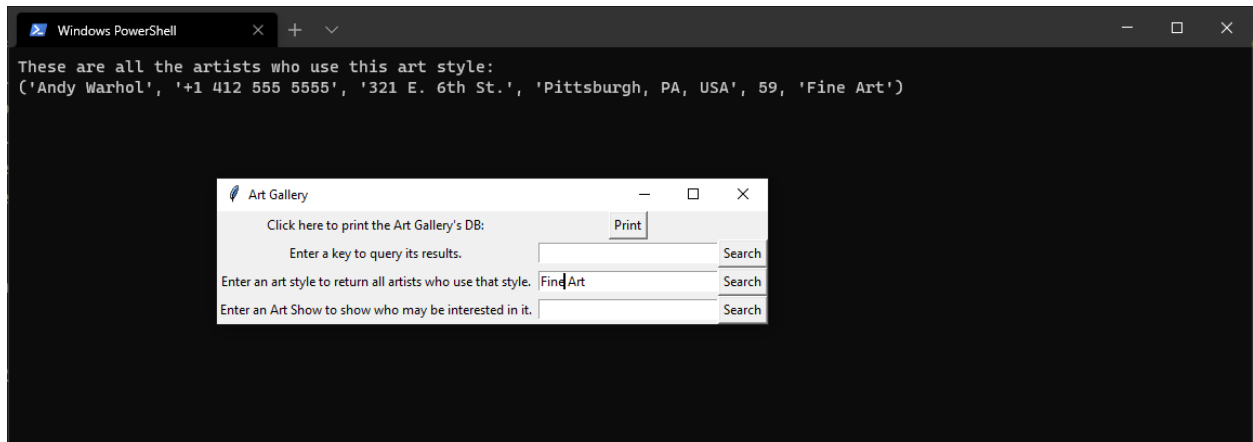
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*****
Click here to print the Art Gallery's DB:
Enter a key to query its results.
Enter an art style to return all artists who use that style.
Enter an Art Show to show who may be interested in it.

Artists:
('Andy Warhol', '+1 412 555 5555', '321 E. 6th St.', 'Pittsburgh, PA, USA', 59, 'Fine Art')
('Augusta Savage', '+1 212 555 5555', 'Saugerties, NY 12477', 'Green Cove Springs, FL', 70, 'Sculpting')
('Frida Kahlo', '+52 1551 234 5678', 'Londres 247, Del Carmen, Coyoacán', 'Coyoacán, Mexico City, Mexico', 47, 'Folk Art')
('Vincent van Gogh', '+31 970 1028 1265', 'Rue du Pavillon, 37033 Cuesmes', 'Zundert, Netherlands', 37, 'Impressionism')
Art Works:
('A Few Small Nips (Passionately in Love)', 'Frida Kahlo', 'Genre Painting', 1935, 1940, 15000000.0, 'Museo Dolores Olmedo')
('Gamin', 'Augusta Savage', 'Bust Sculpture', 1930, 1939, 30000.0, 'Smithsonian American Art Museum')
('The Marilyn Diptych', 'Andy Warhol', 'Pop Art', 1962, 2000, 17300000.0, 'Tate')
('The Starry Night', 'Vincent van Gogh', 'Post-Impressionism', 1889, 1929, 100000000.0, 'The Museum of Modern Art')
Art Shows:
('12-21-2020 -- 14:00', 'Augusta Savage', 'Smithsonian American Art Museum', '+1 202 633 7970', 'Washington, D.C.')
('7-31-2020 -- 12:00', 'Andy Warhol', 'Tate', '+44 020 7887 8888', 'Liverpool')
('7-4-2020 -- 13:00', 'Frida Kahlo', 'Museo Dolores Olmedo', '+52 55 5555 0891', 'Mexico City, Mexico')
('8-30-2020 -- 10:00', 'Vincent van Gogh', 'The Museum of Modern Art', '+1 888 999 8861', 'New York, NY')
Customers:
(123345454, '+1 213 543 3453', 'Pop Art')
(234234322, '+1 234 432 6546', 'Fine Art')
(234235435, '+1 453 534 3453', 'Fine Art')
(889174181, '+1 323 507 6472', 'Modern Art')
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2.) Search by Key Word – This function lets us query the entire database and returns all tuples that include that keyword.



3.) Report by Art Style – This function lets us query a table that returns all artists who use the art style given by the user.



4.) Customer Art Preference – This function returns a list of customers who may be interested in that art show.

