

# Art Gallery Management System

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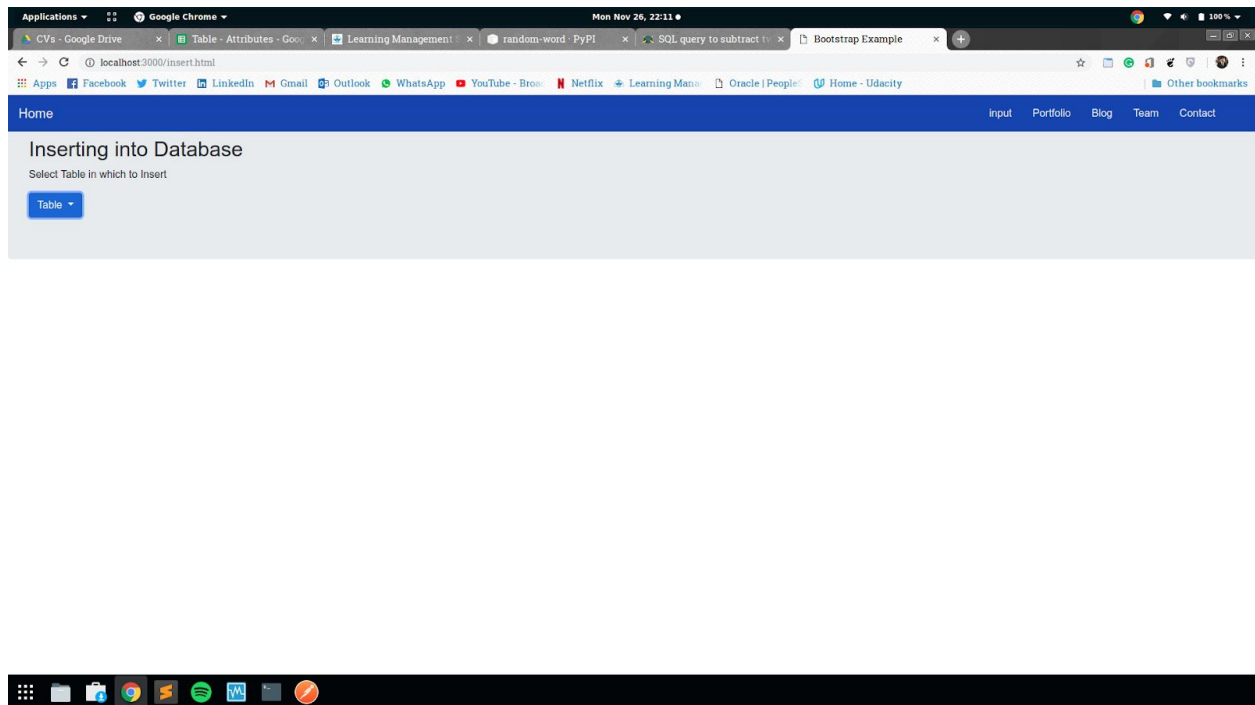
Zainab Hameed - 20100087

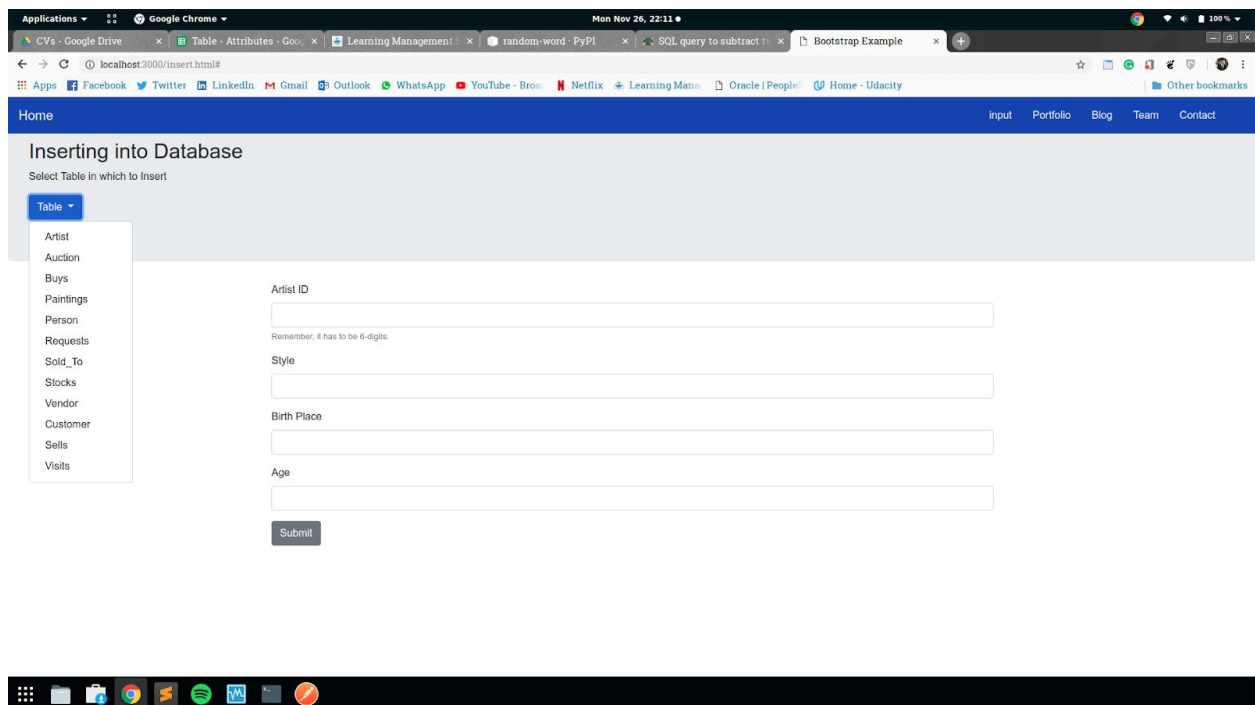
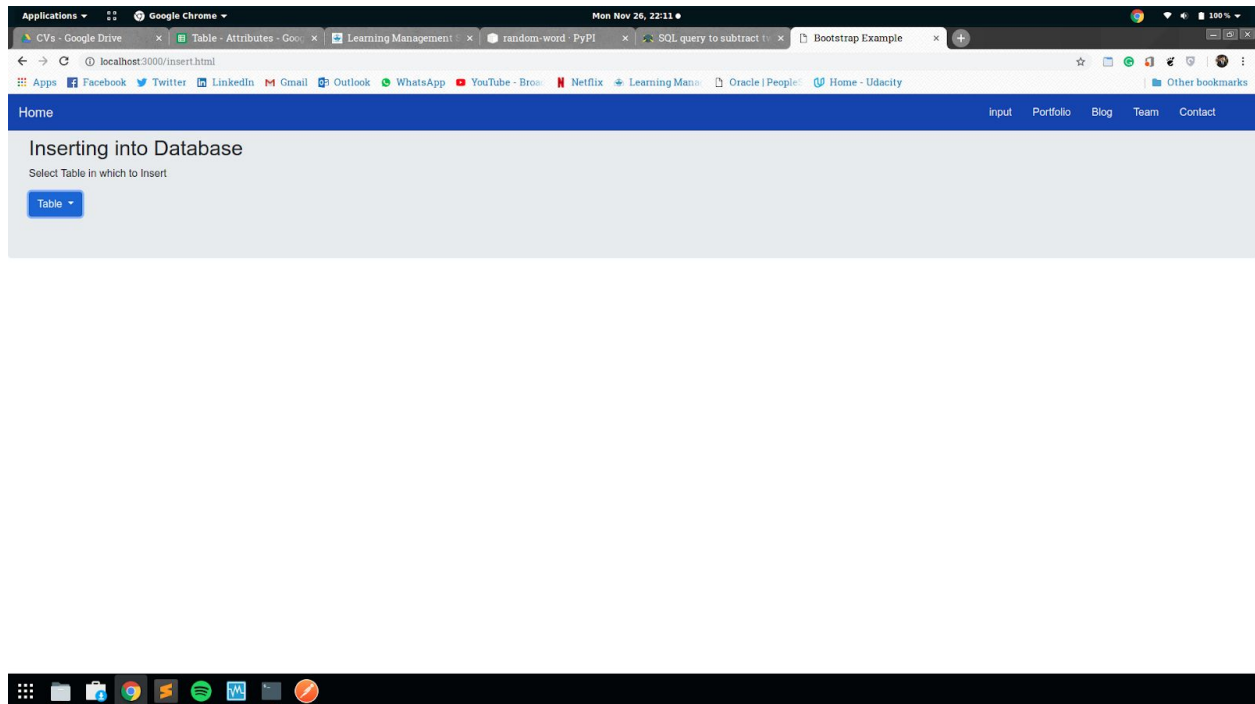
## Summary:

The dynamic queries have not been implemented on the required front-end but have handled it in the back end. However, any query can be put into the custom query page and it'll be run and the result will be displayed as a table right beneath it.

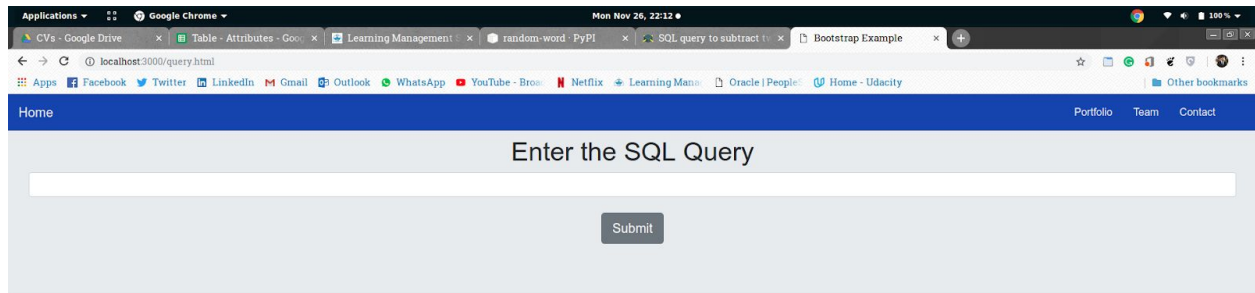
## Revamped Deliverable 3B:

The screenshots are also attached to the email - but the front-end has been redesigned completely.

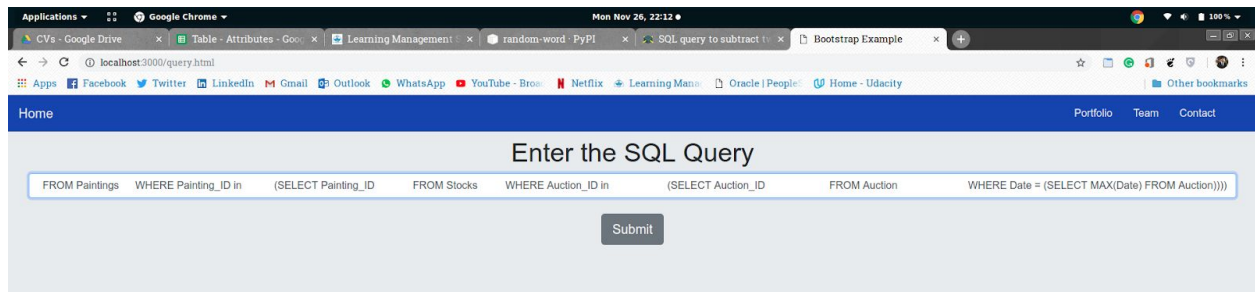




# Query Page:



A screenshot of a web browser window. The address bar shows 'localhost:3000/query.html'. The page has a blue header with 'Home' on the left and 'Portfolio', 'Team', and 'Contact' on the right. The main content area has a light gray background with the text 'Enter the SQL Query' in the center. Below the text is a large, empty white rectangular input field. At the bottom center of the input area is a gray 'Submit' button.



A screenshot of a web browser window, similar to the one above. The address bar shows 'localhost:3000/query.html'. The page layout is identical, but the white input field now contains the following SQL query: `FROM Paintings WHERE Painting_ID in (SELECT Painting_ID FROM Stocks WHERE Auction_ID in (SELECT Auction_ID FROM Auction WHERE Date = (SELECT MAX(Date) FROM Auction)))`. The 'Submit' button remains at the bottom center.



## Query 1:

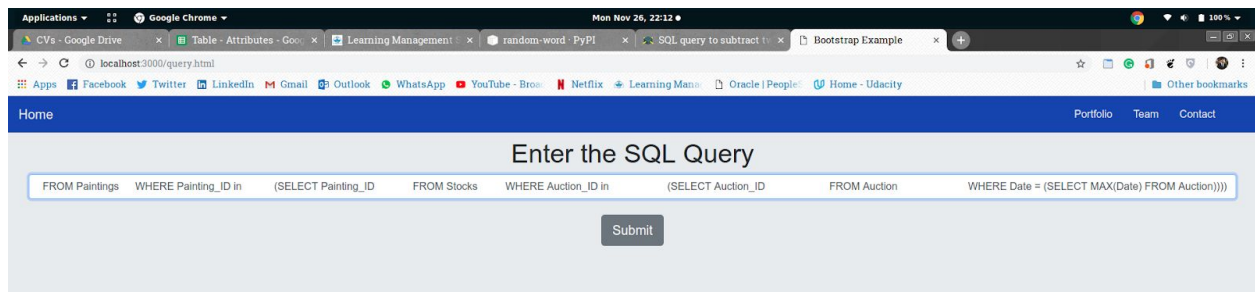
```
SELECT Title, COUNT(Title)
FROM Paintings
WHERE Painting_ID IN
    (SELECT Painting_ID
     FROM Buys
     WHERE Date > "2000-10-10" and Date < "2020-10-10")
GROUP BY TITLE
ORDER BY COUNT(Title) DESC
```

The screenshot shows a web browser window with the URL `localhost:3000/sqlquery`. The page has a blue header with "Home" and navigation links "Portfolio", "Team", and "Contact". The main heading is "Enter the SQL Query". Below it is a text input field containing the SQL query: `SELECT Title, COUNT(Title) FROM Paintings WHERE Painting_ID IN (SELECT Painting_ID FROM Buys WHERE Date > "2000-10-10" and Date < "2020-10-10") GROUP BY TITLE ORDER BY COUNT(Title) DESC;`. A "Submit" button is located below the input field. The results are displayed in a table with two columns: "Title" and "COUNT(Title)".

Title	COUNT(Title)
title5	7
title6	7
title18	6
title12	6
title11	5
title10	5
title13	5
title20	5
title19	4
title7	4
title14	4
title15	4
title8	4
title2	4
title16	3
title4	2

## Query 2:

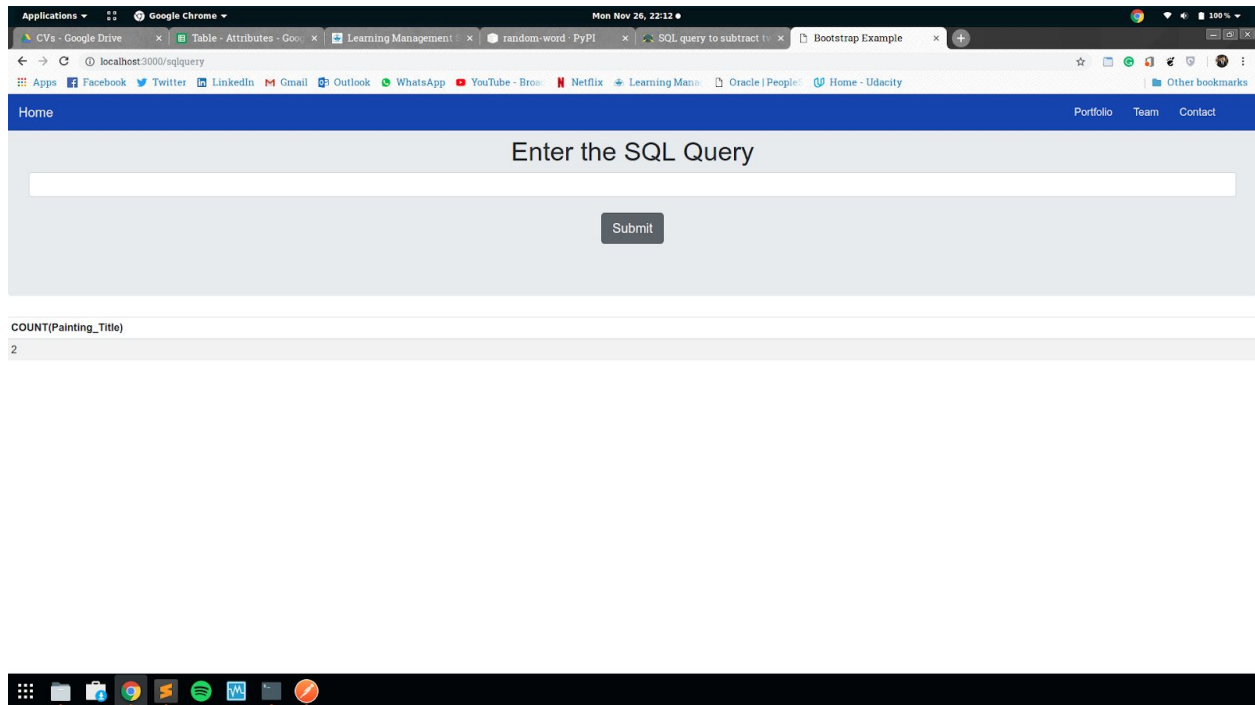
```
(SELECT Customer_ID, COUNT(Customer_ID)
FROM Customer
WHERE Customer_ID IN
    (SELECT Customer_ID
    FROM Visits
    WHERE Date > "2000-10-10" and Date < "2020-10-10")
GROUP BY Customer_ID
ORDER BY COUNT(Customer_ID) DESC)
```



This returns an EMPTY table since no Customer fulfils this criterion

### Query 7:

```
SELECT COUNT(Painting_Title)
FROM Requests
WHERE Painting_Title in
    (SELECT Title
    FROM Paintings
    WHERE Painting_ID in
        (SELECT Painting_ID
        FROM Stocks
        WHERE Auction_ID in
            (SELECT Auction_ID
            FROM Auction
            WHERE Date = (SELECT MAX(Date) FROM Auction))))))
```



## Query 9:

```
SELECT Name
FROM Person, Customer
WHERE Customer_ID NOT IN
    (SELECT Customer_ID
     FROM Buys
     WHERE Customer_ID IN
        (SELECT Customer_ID
         FROM Visits
         WHERE COUNT(Customer_ID)>2
         GROUP BY Customer_ID))
```

