Sean Reddington

CIS4331 Project

Phase 1:

a) E-R Diagram

A close up of a map

Description automatically generated

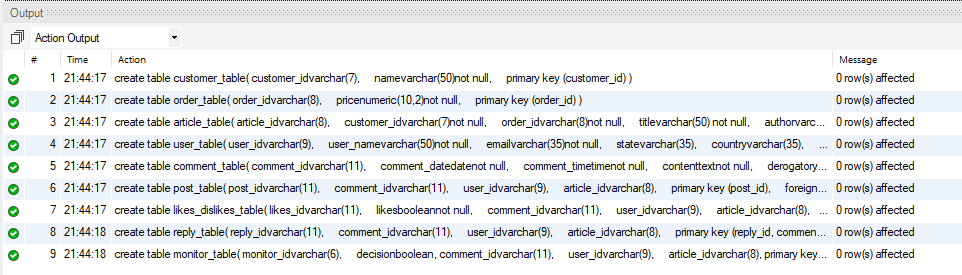
b) Challenges

I had some trouble thinking of the best way to represent the admin/senior user monitoring. I also struggled a bit with the relationship cardinalities.

Phase 2:

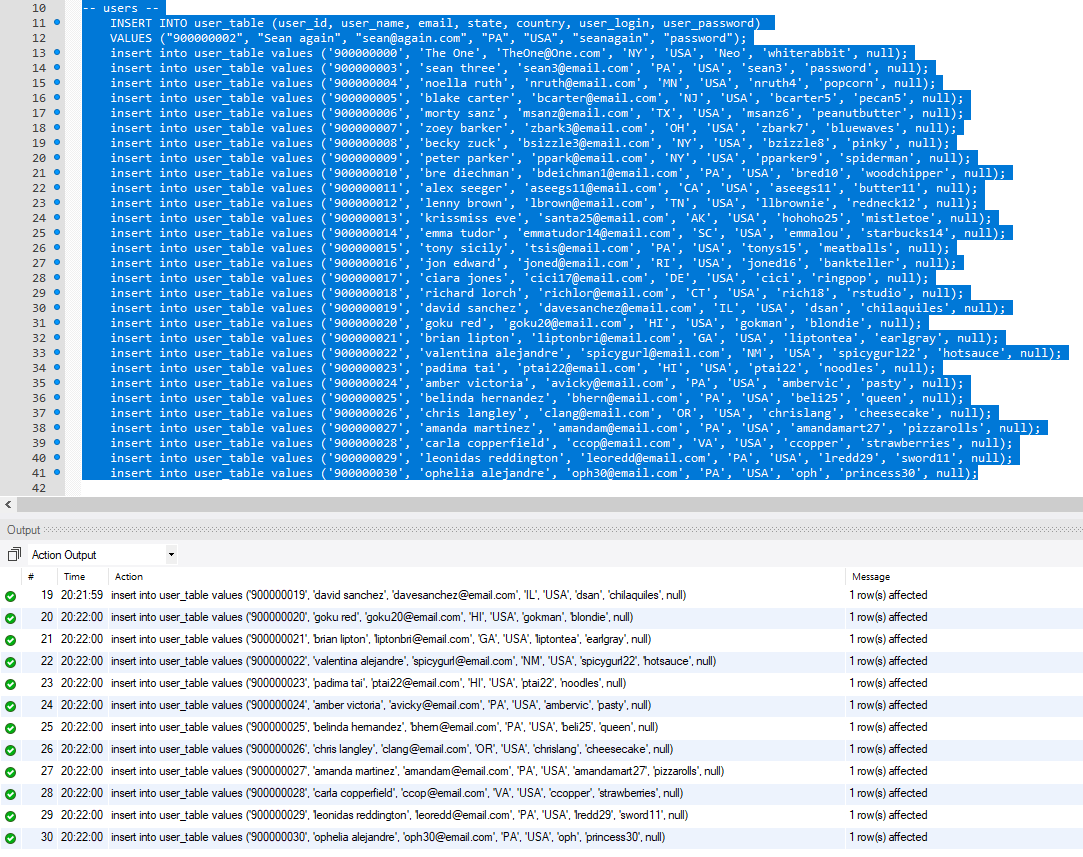
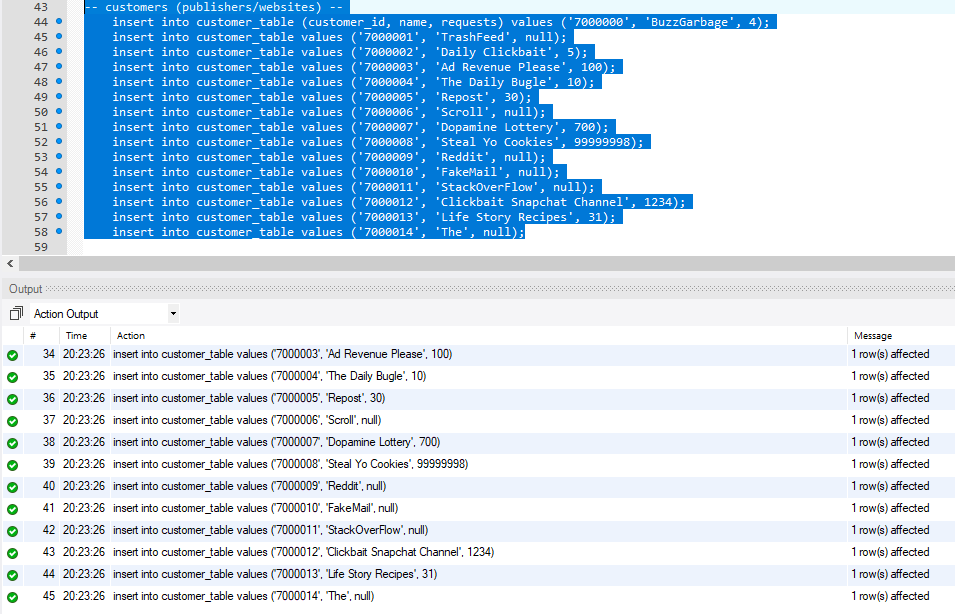
A screenshot of a cell phone

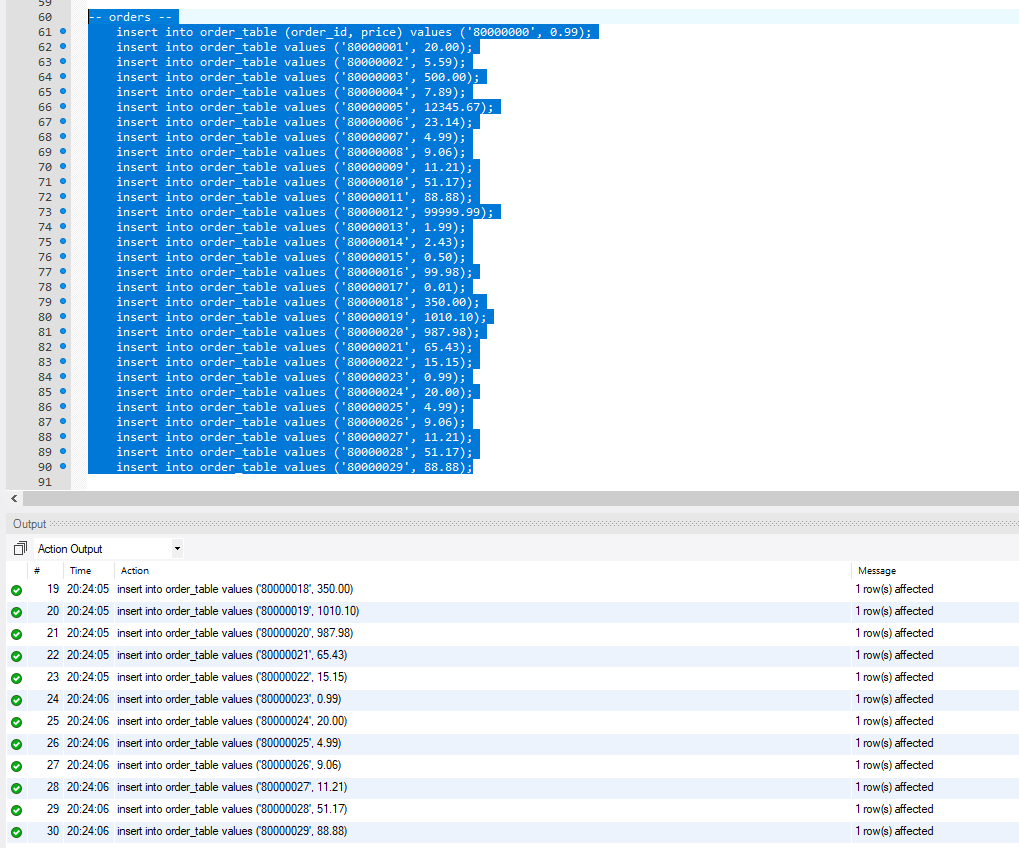
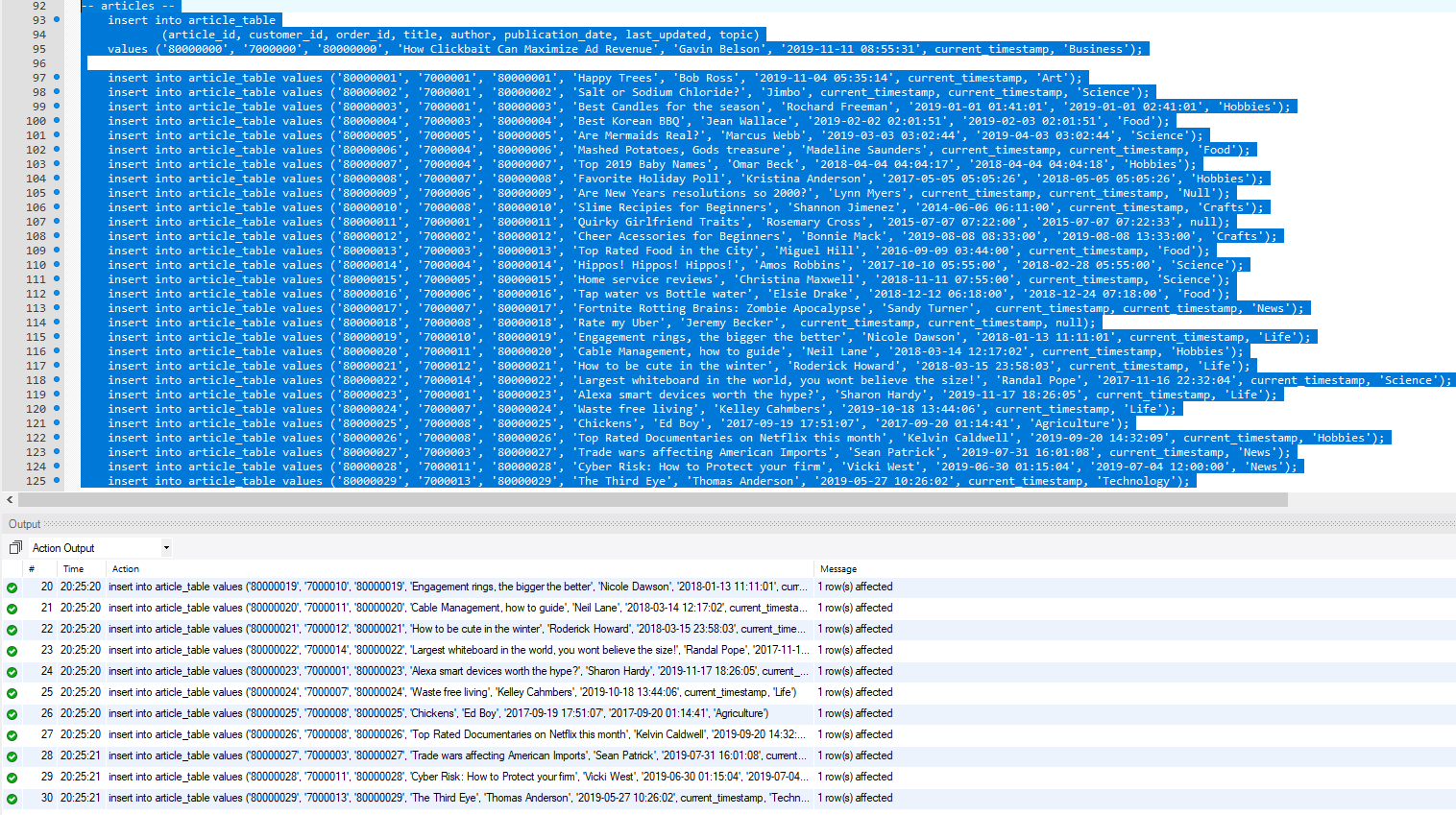
Description automatically generated

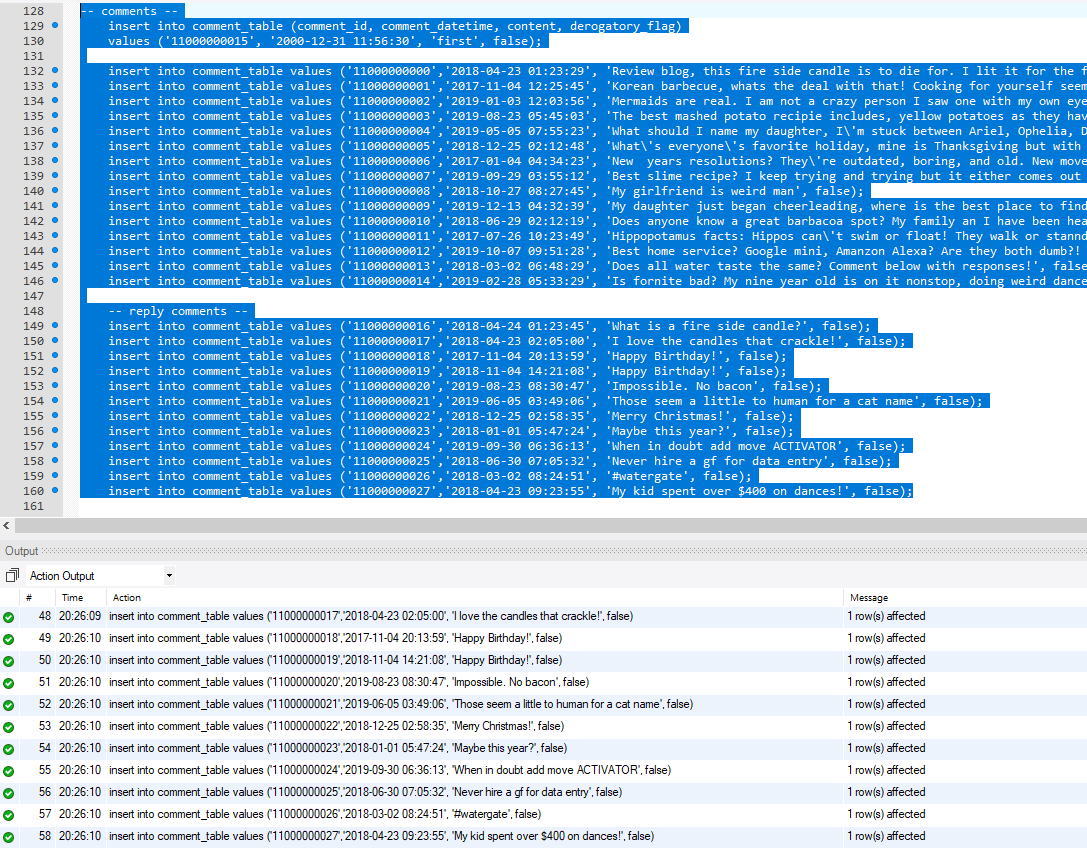
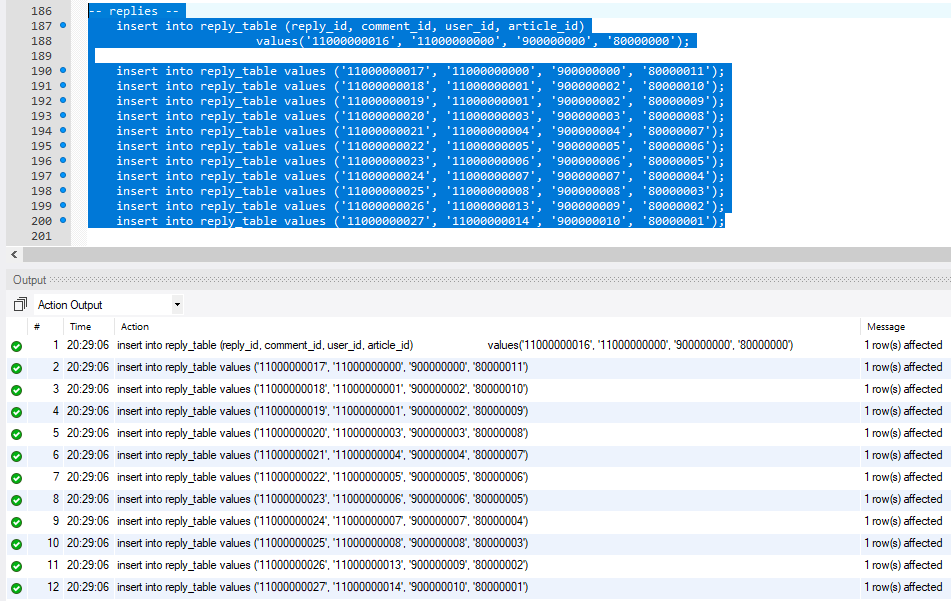
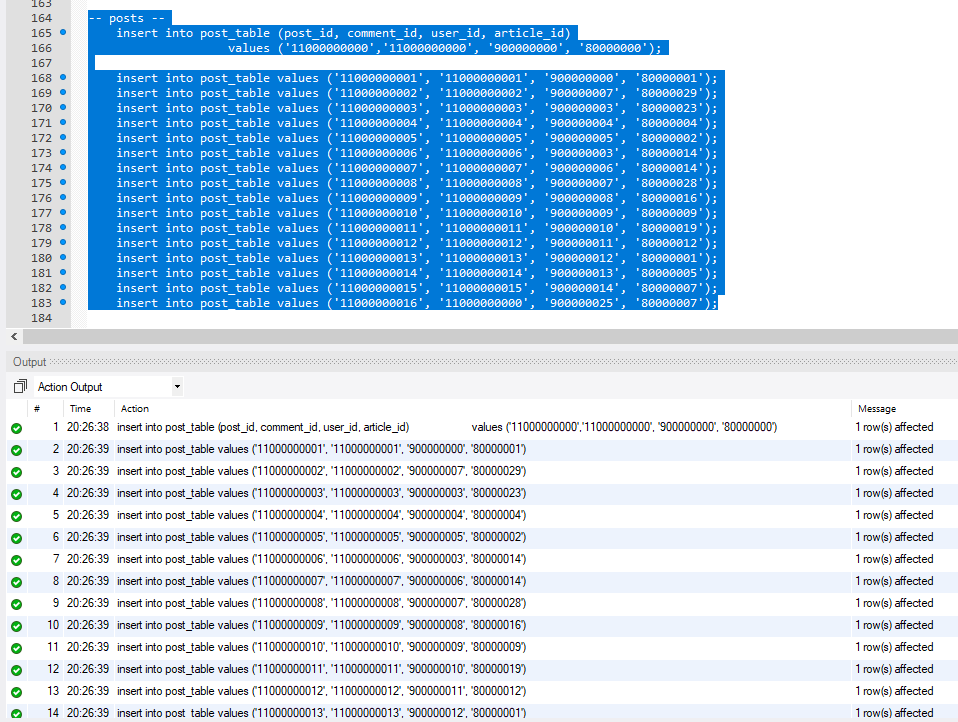
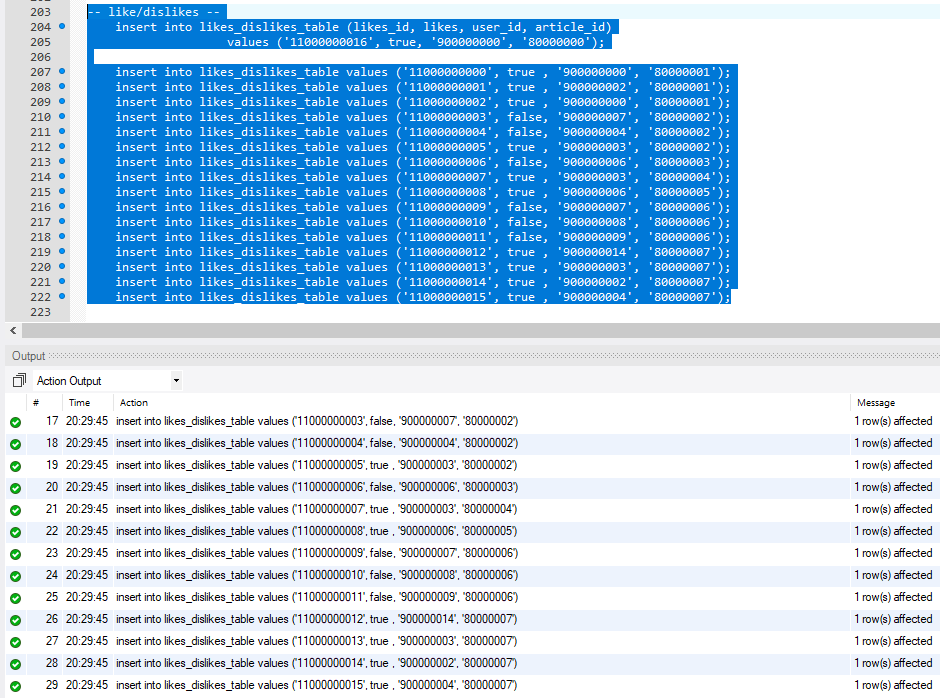


I had issues getting Microsoft SQL server to run on my desktop. I had to create the tables using CIS-Linux2’s MySQL server.

Phase 3:

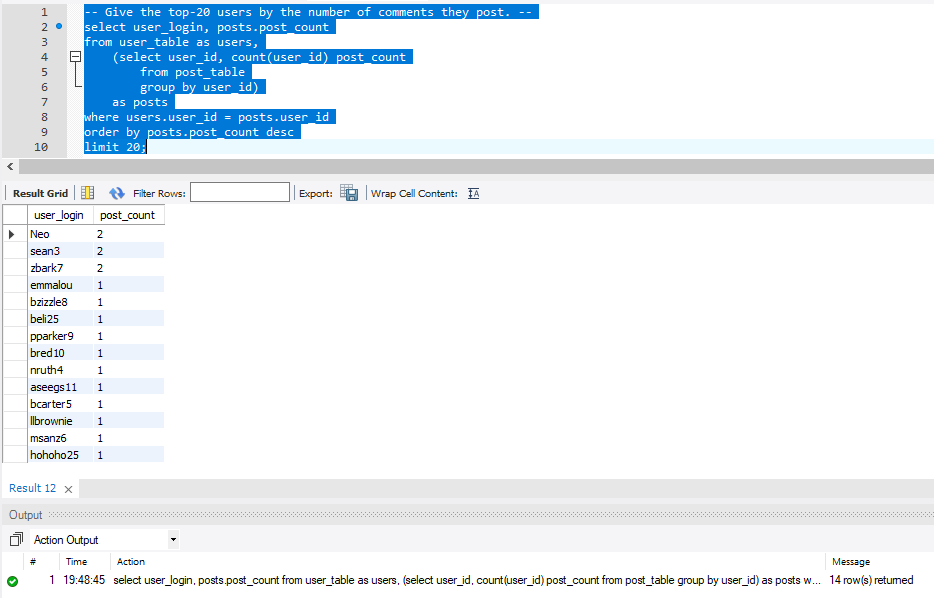
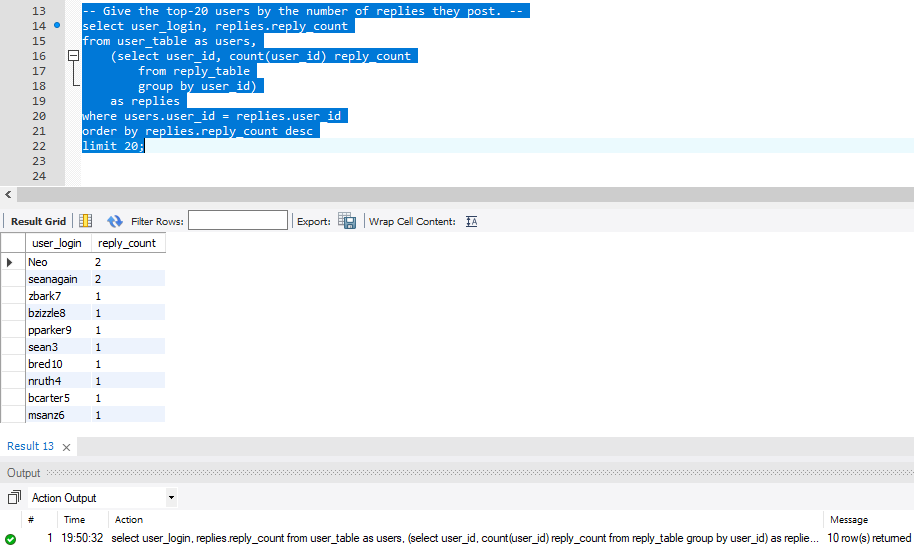
 

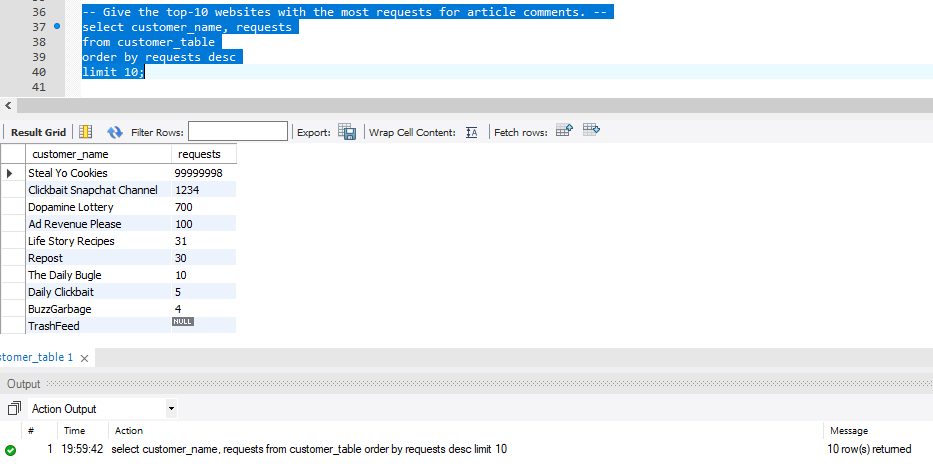
 

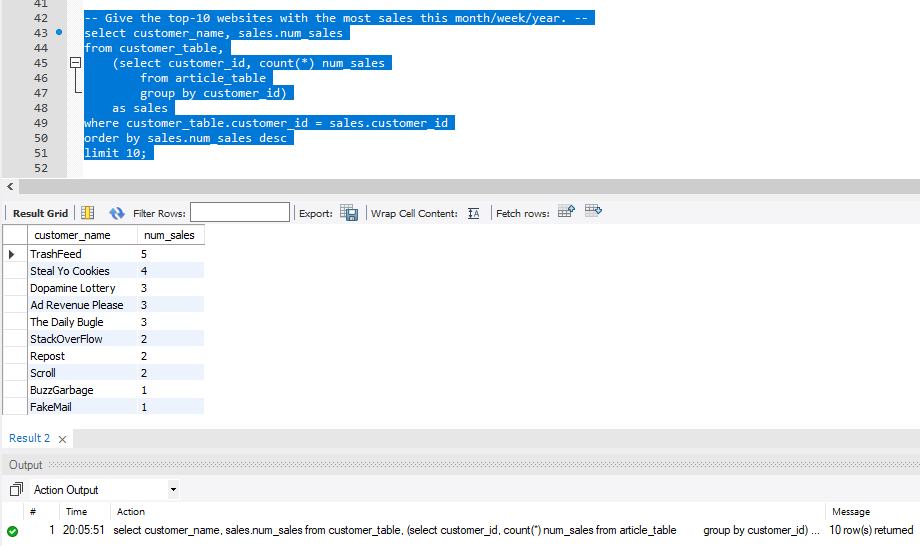
  

No challenges, just tedious

Phase 4:



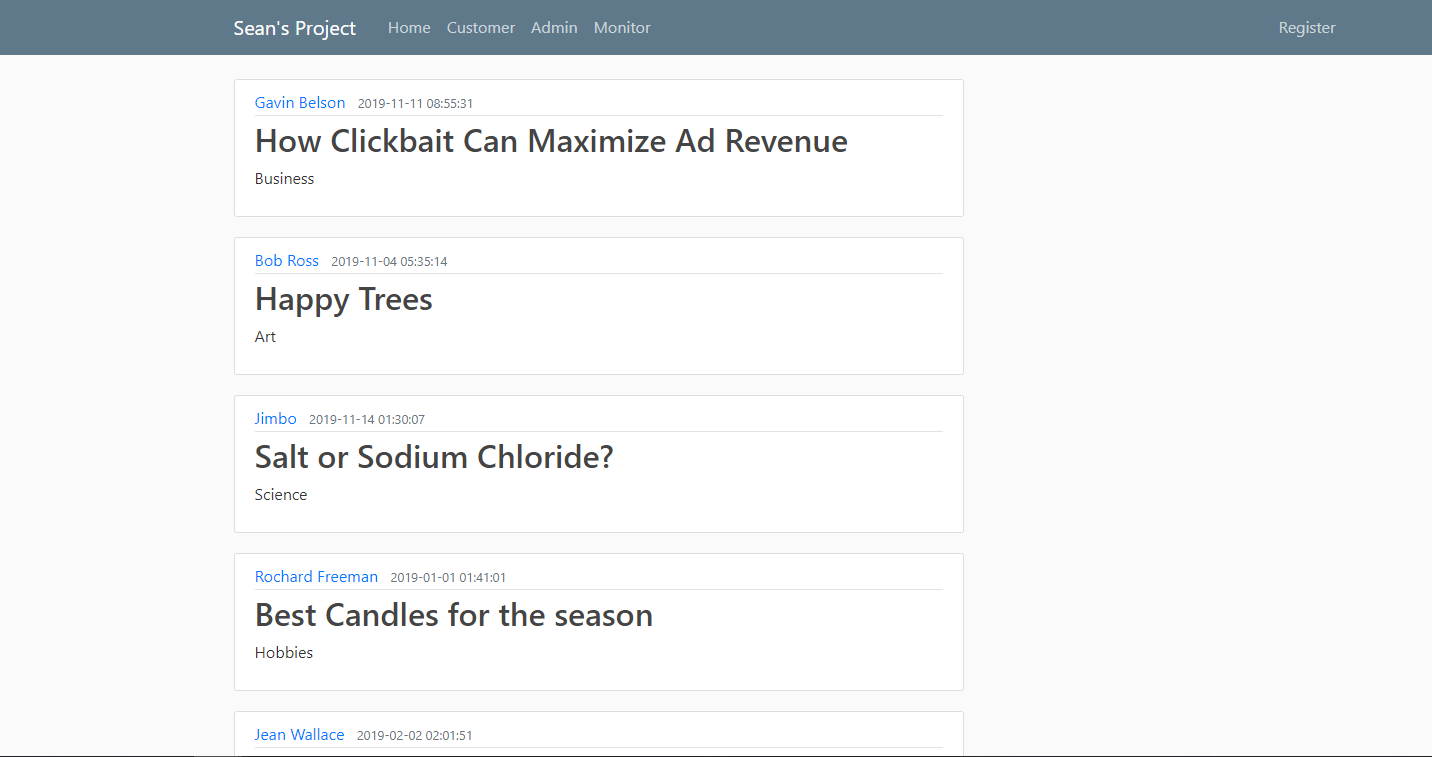
No challenges during this phase

Phase 5:

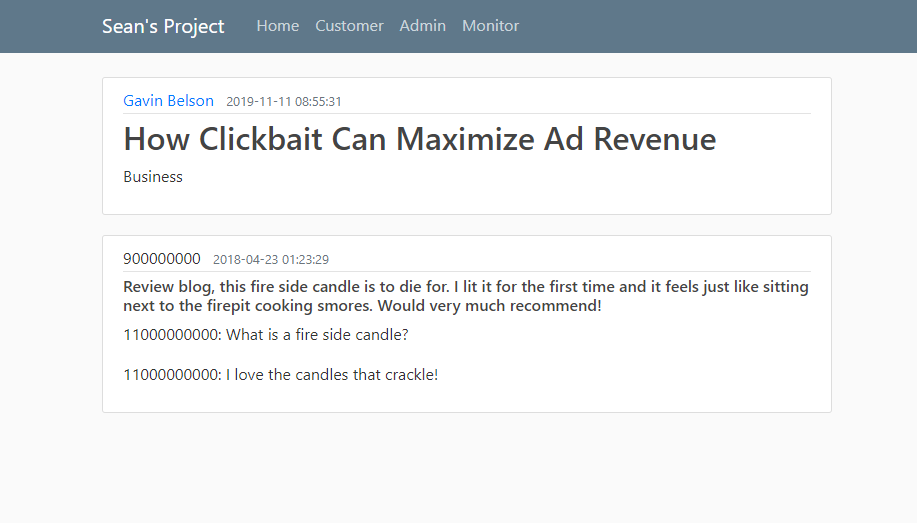
For my web application interface, I used the Flask framework. This framework provides a way to create web applications with Python, HTML, CSS. The Flask application provides a front facing user interface for my MySQL database hosted on Google Cloud Platform. In order to connect the Flask application to the database, I used the mysql.connector Python library.

The challenges I faced in phase 5 was creating a front end web page to display my data. Since I am not very experienced with front-end programming, I spent a lot of time learning how to use html, Flask, and Jinja to pass data between the html forms and back-end processing.

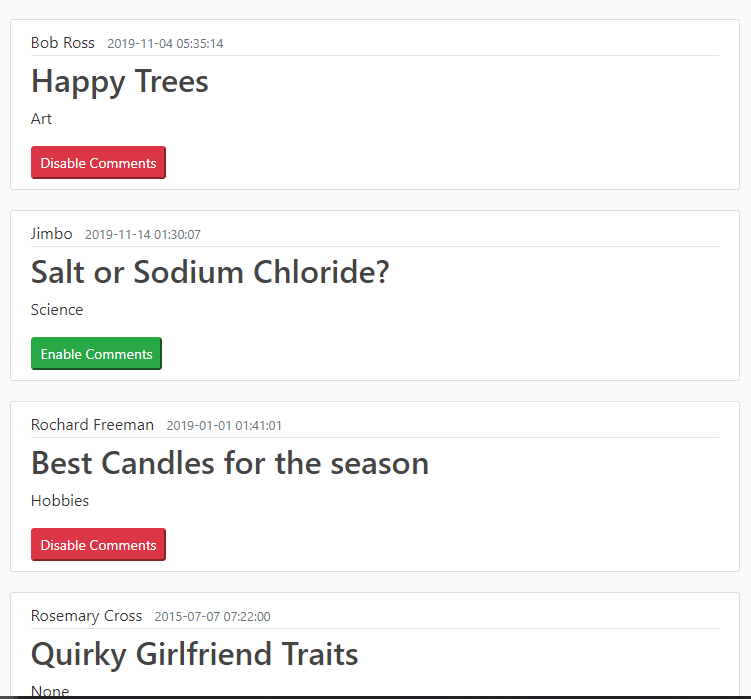
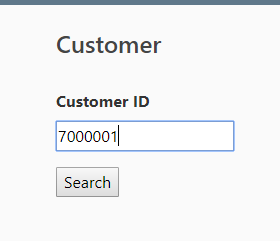
*Home Page:*



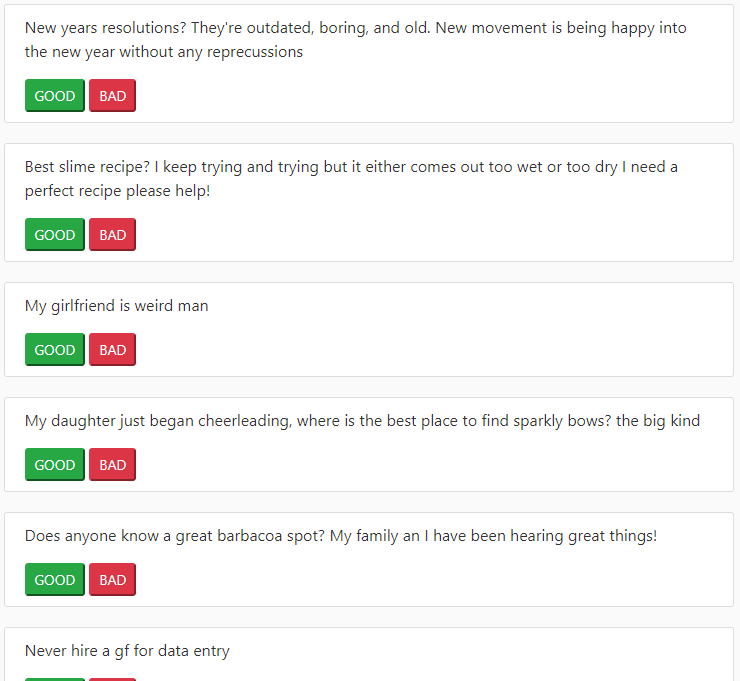
*Clicking on an article brings up a view showing the comments and replies associated:*



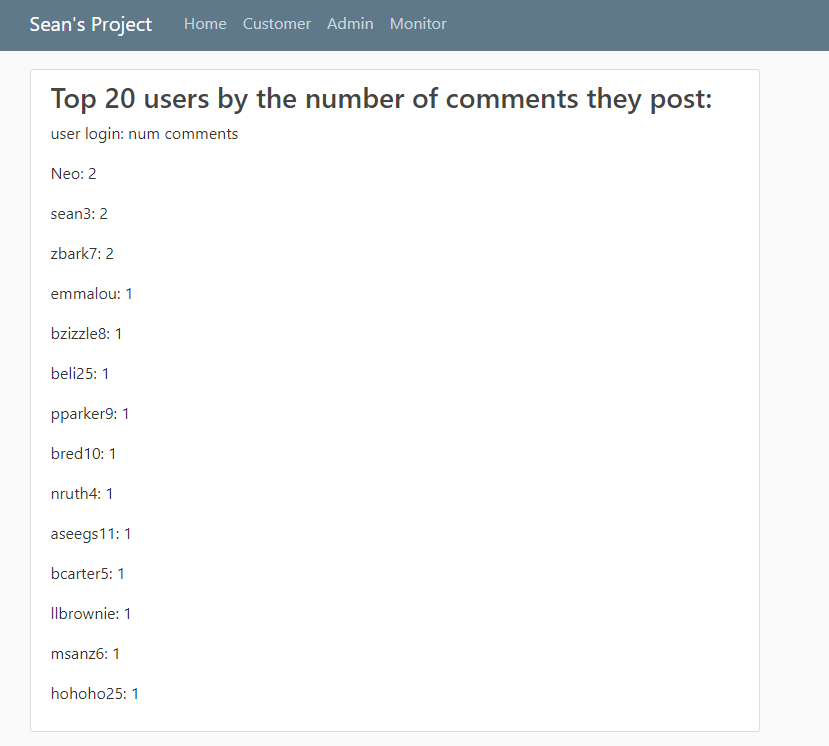
*Search by customer\_id to retrieve all articles published by the customer. The list of articles will display along with a toggle button to enable or disable comments:*



*The admin page allows a senior user to review comments that have been flagged for derogatory content and select to change the flag:*



*The monitor page display the results of the test query from phase 4:*



*The Register button brings the user to a page which allows them to create a user in the database:*

