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CS 499

This artifact is the database portion of my CS-465 Full Stack Development I final project. It was a mongoDB database that used a JSON file to initialize, and had an ORM layer to allow the application to interact with the data.   
  
I included this artifact in my ePortfolio because, along with the enhancement, it showcases my knowledge of both NoSQL and SQL databases. Specifically, changing the database from mongoDB to a SQL database and updating the ORM layer so that it can use this SQL database shows my understanding of how the two kinds of databases are similar and different.

Through this enhancement, I demonstrate my analysis of databases and my thought process behind design choices between NoSQL and SQL. Weighing between the trade-offs and understanding what is required within this project also show my skills in implementing well-founded solutions to accomplish the goals of this enhancement.

Through the process of enhancing this artifact, I found that updating the database also tied in with my other enhancement of containerizing parts of the application. Because I wanted to isolate this specific part of the enhancement to only Databases, I opted to use sqlite3 as the SQL database. In my further enhancements, I will deploy postgreSQL to run alongside the application and appropriately update the database side of the project.