Joshua Kimbrell

CIS-152

“Artifact for Integral Reflection.”

I chose the Final Exam as the product that I am the proudest of because it was a significant demonstration of my proficiency in database management. This decision was about showcasing the skills I learned from this course. It was also about reflecting on my accumulated knowledge, using multiple perspectives, and applying what I've learned within a deadline.

Reflection is an essential part of preparation for deciding which steps to take when designing a database. During the exam I took time to deeply analyze each task, evaluating my technical skills and my grasp of the underlying concepts. For problems that involved modifying databases and entering data, I paid close attention to the details and considered how these changes might affect the database's overall integrity. In the sections on query design and execution, I used the logic and structure we learned from the practices to craft effective queries. Reflecting on the concepts I learned helped me to find the optimal ways to fetch and organize data according to the specific demands of the questions.

The exam's design necessitated the use of multiple perspectives by considering that solutions in database management must cater to various user needs. The form design and customization task were a prime example, requiring me to step into the shoes of the end users to ensure the interfaces were not only functional but also user-friendly. Subform creation also required design consideration to make sure that each of the columns were visible and logically placed. This shows multiple perspectives by balancing data presentation from the perspective of users and developers to simplify interacting with related data sets across different tables.

Practically applying theoretical knowledge was the main achievement demonstrated by my completion of the exam. This was shown by completing tasks like updating data via query datasheets and employing advanced querying methods. I demonstrated my understanding of database operations, data manipulation, and the complexity of managing the relationships between tables. Tasks like query result formatting and report generation and customization showed my ability to transform raw data into engaging and informative outputs. This shows I can apply the concepts from the practices to make data more accessible and appealing.

In conclusion the Final Exam was my favorite assignment because it shows that I know how to apply all the concepts we learned over the 7 weeks. I showed that I can craft complex queries that merged tables and sort data and can develop forms and reports that are practical and visually appealing. The exam was a thorough demonstration of my capabilities in database management. It emphasized my skill in reflective learning, addressing the needs of multiple perspectives, and applying my knowledge to overcome a challenge. Doing well on this exam makes me feel confident advancing to the next course in database management because I am more prepared for future challenges in the field. I am also comfortable with navigating through the controls of Microsoft Access and feel empowered to learn the rest of the tools that it has to offer.