**Database Project: Hobby Store Database**

**Prepared By:**

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**1.0 Business Understanding**

Ever since I was young, I had an interest in building model kits. Being brought up in an Asian culture and travelling across Asia especially in Japan, had it’s influence on what interests me. Its one of those hobbies that you can continuously improve on as there is so much you can do. Painting, modding, dioramas, and more. The hobby allows you to show your creativity. Its easy to take on the hobby but its difficult to master. Back home in Indonesia, there are many local stores that cater to this hobby because its popular there. When I moved to the US, there were barely any physical stores that catered to this hobby. The only one I know of is in the International district in Seattle. It is a small mom and pop hobby store that is run by an Asian elderly couple. I like to buy products from there once in awhile to support their business. With this project, I’d like to create a simple database system that can possibly help mom and pop hobby stores keep track of their data electronically. They have more than enough work cut out for them, so why not make the job a little easier? I’d like to think this database will also help them branch out to online services. Currently, they only have a local store with occasional stock updates on Facebook. With a database, they can use it and a website to cater to people from all over the United States.

**Diagram

Description automatically generated2.0 Database ERD**



**Diagram

Description automatically generated3.0 Databse Schema**



Diagram

Description automatically generated**4.0 Relationships in the database**

**5.0 What Went Well**

So what went well? I learned a lot about SQL, it is one of the topics I've been interested in since the start of class. I wanted to learn SQL as I believe it's one of the most used topics in data analytics. I also gained a lot of experience creating and maintaining a database in access, especially with a store database. I did a similar project back in my undergraduate studies. My partner and I created a database based on NBA data. Instead of using Access, we used Libre as my partner uses a Mac. Lastly, for the most part, everything went smoothly.

5.1 **What Did Not Go Well**

What did not go well? I had trouble with some of the forms, I had to go back and modify some tables and queries for the form to work properly. What I understand is that for a form to be able to edit data, it should be connected to a table. Another process that did not go well was data entry. It took quite a while especially since some of the names of the model kits are quite long. And lastly, I feel like my inexperience with creating forms and reports hindered me in fully utilizing the tables in my database to create more meaningful forms/reports.

5.2 **What I Would Do Differently**

What would I do differently? I think if I were to create another database, choosing a different topic would be ideal. Not because the current topic does not interest me, but because I would like to have experience in different topics. Having experience in different topics is useful. Another thing I would do differently is I may include a payment or transaction table to further improve my current database. I would have to learn more about the process of payments and transactions before I am confident enough to implement it. I would also create a better and more creative UI since the UI I currently have feels basic, and lastly, create more complex forms/reports as my knowledge of databases grow.