7/16/2023

Group Members in Alphabetical Order:

Chris Kaiser, Estiven Hernandez, Juan Taylor, Julia Gonzalez, Michelle Choe

**Outland Adventures Three Reports**

**Report #1: Equipment Sales Records**

Blythe and Jim want to know if enough customers buy equipment to keep equipment sales. Within our equipment table we included a relationship with the clients table via the client\_id. We also have a column using enum to determine the status of equipment as “purchased” or “rented”. Using this information, we can write a simple query that separates our equipment into two groups based on status and then sums the profits for each of those groups.

A computer screen with many colorful text

Description automatically generatedPython Code:

Query Output:

A screen shot of a computer

Description automatically generated

**Report #2: Treks Records**

It is important to Blythe and Jim that they track which trips are successful or experience repeat bookings. Knowing this before constructing our database, we created the clients\_attending\_trips table which utilized composite keys to track which clients attended which trips. Using this table, we could then calculate the number of clients that attend a specific trip. We felt it was important to track the destination in addition to country for trips. In this way, we could have different trips within the same country. Since the case file was mainly interested in continent, within our country table we included the continent for each country.

A screen shot of a computer

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A screenshot of a computer

Description automatically generated Query Output:

**Report #3: Which Inventory Items Are More Than 5 Years Old**

Safety is extremely important to Blythe and Jim. They want to ensure both their current rental gear and equipment previously sold to customers are within the five year safety threshold of continued use. In fact, they could market this as a benefit of purchasing directly from them since they will double check before each trek that you don’t have any equipment purchased from them more than five years prior.

To easily track which equipment is five years old we included the restock\_date and equip\_expired columns within the equipment table. The equip\_expired utilized an enum of “Yes” or “No”. While this column cannot self update, the owners can run an update query that will check the restock\_date against the current date and then update the equip\_expired column accordingly. In this case we don’t utilize the equip\_expired column for the query and simply return all equipment that matches a restock date at an interval of 5 years before the current date (in this case the current date was 7-15-2023).

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Description automatically generatedPython Code:

Query Output:

A screen shot of a computer

Description automatically generated