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CS 340

Project proposal

7/17/17

I will be making a database representing the variety dive and snorkel masks, fins, snorkel soft top and dry top snorkels of TUSA. This is a popular and one of the main name brands in the scuba dive industry. The company has a large number of products but I will just focus on their mask, fins and snorkel lines. The large number of items and color schemes make this a good candidate for a database.

The entities that I will have for my database are:

* Masks – This will be the names of the masks
* Fins – This will be the names of the fins
* Snorkel (regular top/dry top) – Names of the snorkels
* Type – This will indicate if it is a dive, snorkel item, or both
* Colors – This will show the variety of colors
* Prices – Everything has a large price range

The relationships I will have are:

* Items can be used for snorkeling, scuba diving, or both – this is many to many relationship.
* Items come in a wide range of colors – this is a many to many relationship.
* Items to prices – this is a one to one relationship.
* Items can be made either for unisex, women, or child – this is a many to many relationship.