Data Design Project
CST 336
Database Name: Otter Store

Introduction:

The purpose of this database design project is to create reliable and efficient database design for an online store. This design would have few tables and would store necessary information like users, products, categories, prices, and companies.

There are three tables. The first table is products. This table will connect to the table Categories and the table Companies. As a result, users can purchase products through the website by adding products to their shopping cart. Users can search products by filtering their search. They can search products by price, by category or by company.

Database Schema:

```
CREATE TABLE Products
    (product_id          int (11),
     name                varchar(20),
     department_id       int (11),
     company_id          int (11),
     price               int (11),
     primary key (product_id),
     foreign key (department_id) references Departemnt
                on delete cascade,
     foreign key (company_id) references Company
                on delete cascade
  );

CREATE TABLE Company
    (company_id          int (11),
     company_name        varchar(20),
     location            varchar (20)
     primary key (company_id)
     );

CREATE TABLE Department
    (department_id          int (11),
     department_name        varchar(20),
     primary key (department_id)
     );
```

Mock Up:

Welcome to Otter Shopping Mall

Search By Price   ▼

Search by Company   ▼

Search By Category   ▼

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