**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:**

