**GRAPHICS CARDS STORE**

# Required PHP Scripts:

## INSERTING INFORMATION

### Add new Customers

## RETRIEVING INFORMATION

### Retrieve all Graphics Card

### Retrieve specific Graphic Cards details

## DELETE INFORMATION

### Delete a Customer

## UPDATE INFORMATION

### Update Customer Details

## PROCESSING

### Purchase A Graphics Card

#### Then Update Stock Level

#### Create A Sale

# Database Name:

## GPU Store

# SQL Filename:

## GPUDB.sql

# System Definition:

## The GPU Store will essentially store all information about Graphics Cards which are in Stock in a Database. The system will allow Customer information to be added to the Database. The system will allow information in relation to Customers already in the Database to be updated. The system will be able to delete Customers from the Database. The system will allow Graphics Card information to be retrieved from the system Database. The system will allow for purchases to be made which invokes the stock number to be updated and a sale to be created, you can also view sales made.

* *Stock must be added to the database before a customer can order anything.*

CREATE TABLE IF NOT EXISTS Stock

(

stockID INT NOT NULL UNIQUE AUTO\_INCREMENT,

manufacturer VARCHAR(10) NOT NULL UNIQUE,

name VARCHAR(20) NOT NULL,

specification VARCHAR(100) NOT NULL,

stockCount INT NOT NULL,

salePrice DECIMAL(5, 2) NOT NULL,

PRIMARY KEY(stockID)

);

* *Customers must be registered to be able to purchase anything.*

CREATE TABLE IF NOT EXISTS Sale

(

transactionID INT NOT NULL UNIQUE AUTO\_INCREMENT,

stockID INT NOT NULL,

custID INT NOT NULL,

quantity INT NOT NULL,

totalPrice DOUBLE NOT NULL,

saleDate DATE NOT NULL,

PRIMARY KEY(transactionID)

);

* *To know what we sell and how much of what we sell we must record this information.*

CREATE TABLE IF NOT EXISTS Customer

(

custID INT NOT NULL UNIQUE AUTO\_INCREMENT,

email VARCHAR(50) NOT NULL,

forename VARCHAR(50) NOT NULL,

surname VARCHAR(50) NOT NULL,

address VARCHAR(100) NOT NULL,

PRIMARY KEY(custID)

);

* *Updating the tables to set a starting auto increment value.*

ALTER TABLE Stock AUTO\_INCREMENT = 1;

ALTER TABLE Sale AUTO\_INCREMENT = 1;

ALTER TABLE Customer AUTO\_INCREMENT = 1;

* *Creating the foreign keys.*

ALTER TABLE Sale

ADD FOREIGN KEY (stockID)

REFERENCES Stock(stockID)

;

ALTER TABLE Sale

ADD FOREIGN KEY (custID)

REFERENCES Customer(custID)

;