CHAPTER1

INTRODUCTION

Electronics Store Management System helps Store owner to manage record keeping of his Store. In traditional paper-based system Store owner have to keeps record on paper. It is difficult to manage accounting on page especially if the data to be managed is large. Electronics Store Management System converts all these into digital form.

This system is developed specifically to ease the department of sale and purchase. This system will reduce the manual operation required to maintain all the records of sales and purchase. This system is able to manage data of all types of stock i.e., Television, Computers, Mobile Phones, Refrigerator, Air-conditioner, etc. as well as the manage data regarding employees and customer.

 In this system the Store owner can easily see and change the data with minimum effort. He can manage Employee details, Customer details, Product details, transaction details, Order details, etc. of all the branches of his Store in different areas very easily and efficiently which would not have been possible the traditional way.

CHAPTER 2

REQUIREMENT SPICIFICATION

HARDWARE REQUIREMENT

Processor: I5

Processor Speed:3.4Ghz

Installed memory:4GB

Hard Disk:50GB

System type:64-bit operating system

SOFTWARE REQUIREMENT

Operating system: windows8,10

Front end: HTML, JAVASCRIPT, CSS

Back end: MySQL, php

Software: Xampp

Browser: Chrome, Mozilla

CHAPTER 3

DESCRIPTION

A database is a structured collection of data. Data refers to the characteristics of people things and events. A database management system gives the user access to their data and helps them transform the data into information. Such database management system includes dBase paradox, IMS, SQL server and MySQL. These systems allow users to create, update and extract information from their database. Different Tables are created for the various groups of information. Related tables are grouped together to form a database.

My STRUCTURED QUERY LANGUAGE (MySQL)

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups. MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability. MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook, Flickr, MediaWiki, Twitter, and YouTube.
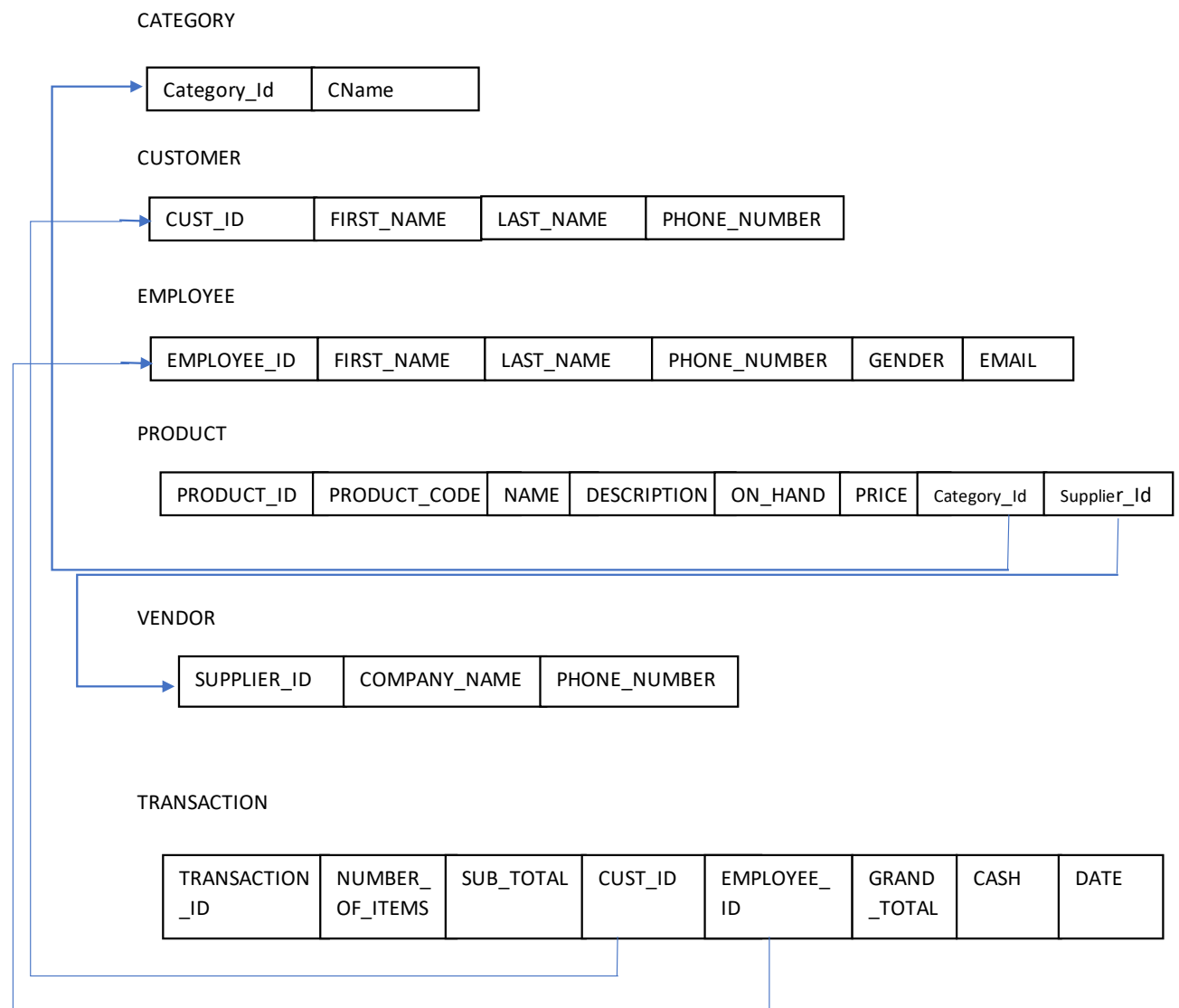
SYSTEM DESIGN:

Design is the first step into the development phase for any engineered product or system. Design is a creative process. A good design is the key to effective system. Term design is defined as process of applying various techniques and principles for the purpose of defining a process or a system in sufficient detail to permit its physical realization. Software design sits at the technical kernel of the software engineered process and is applied regardless of the development paradigm that is used. The system design develops the architectural detail required to build a system or product . As in the case of any systematic approach ,this software too has undergone best possible design phase fine tuning all efficiency , performance and accuracy levels. Design phase is a transition froma user oriented document to a document to the programmers or database personnel. System design through two phases of development : Logical Design and Physical Design.

INPUT DESIGN:

Design of input focuses on controlling amount of input required,controlling of errors,avoiding delay,avoiding extra steps and keeping the process simple. Input is designed in such a way so that it provides security and ease of use with retaining the privacy. Input design is considers these things : What data should be given? Now the data should be arranged or coded? Dialog to guide operating personnel in providing input . Methods for preparing input validations and steps to follow when error occurs.

CHAPTER 3.1

SCHEMA DIAGRAM

CATEGORY

Category_Id	CName

CUSTOMER

CUST_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER

EMPLOYEE

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER	GENDER	EMAIL

PRODUCT

PRODUCT_ID	PRODUCT_CODE	NAME	DESCRIPTION	ON_HAND	PRICE	Category_Id	Supplier_Id

VENDOR

SUPPLIER_ID	COMPANY_NAME	PHONE_NUMBER

TRANSACTION

TRANSACTION_ID	NUMBER_OF_ITEMS	SUB_TOTAL	CUST_ID	EMPLOYEE_ID	GRAND_TOTAL	CASH	DATE

SCHEMA DIAGRAM FOR ELECTRONIC STORE MANAGEMENT

CHAPTER 3.2

ER DIAGRAM

An entity-relationship diagram is a graphical representation of an information system that shows the relationship between people ,objects ,places,concepts or events within that system. An ER diagram is a data modeling technique that can help define business processes and can be used as the foundation for a relational database.

While useful for organizing data that can be represented by a relational structure,an entity-relationship diagram can't sufficiently represent semi structured or unstructured data,and an ER Diagram is unlikely to be helpful on its own integrating data into a pre existing information system.

Three main components of an ERD are the entities, which are objects or concepts that can have data stored about them,the relationship between those entities, and the cardinality,which defins relationship in terms of numbers.

Three main cardinal relationships are:

One to One (1:1) : For example,if each customer in database is associated with one mailing address.

One to Many (1:M) : For example, a single customer might place an order for multiple rooms in a resort. Customer is associated with multiple entities but all those entities have a single connection back to the same customer.

Many to Many (M:M) : For example, at a resort where many employee works for multiple customers.
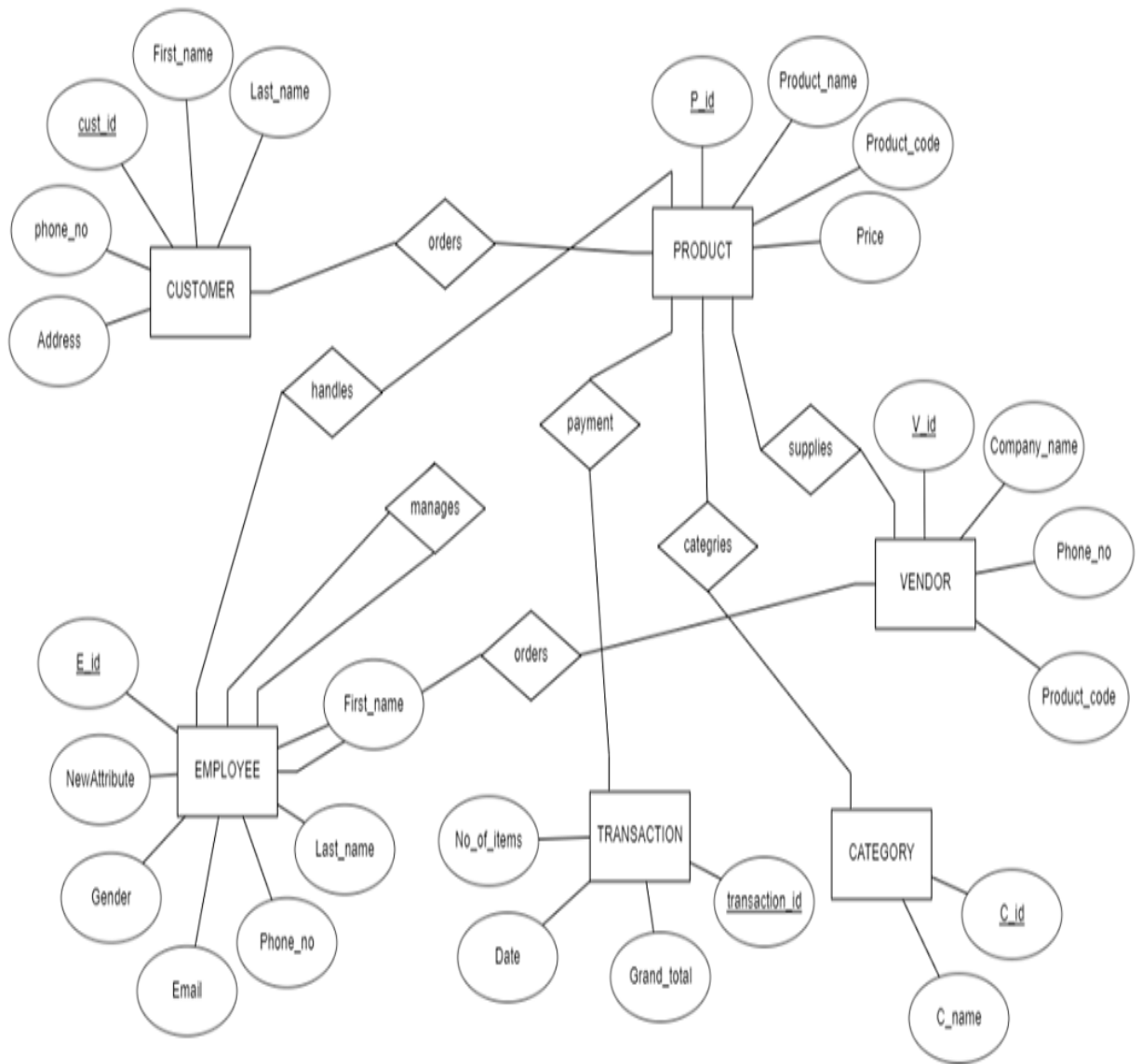
ER Diagram of Electronic Store Management System

CHAPTER 4

CODING

-- phpMyAdmin SQL Dump

-- version 4.7.4

-- https://www.phpmyadmin.net/

--

-- Host: 127.0.0.1

-- Generation Time: Aug 04, 2020 at 02:33 PM

-- Server version: 10.1.30-MariaDB

-- PHP Version: 7.2.1

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";

SET AUTOCOMMIT = 0;

START TRANSACTION;

SET time_zone = "+00:00";

/*!40101   SET   @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;

/*!40101   SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;

/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;

/*!40101 SET NAMES utf8mb4 */;

--

-- Database: `prince`

--

-- --

--

-- Table structure for table `category`

--

```
CREATE TABLE `category` (
 `CATEGORY_ID` int(11) NOT NULL,
 `CNAME` varchar(50) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `category`
--
INSERT INTO `category` (`CATEGORY_ID`, `CNAME`) VALUES
(0, 'Keyboard'),
(1, 'Mouse'),
(2, 'Monitor'),
(3, 'Motherboard'),
(4, 'Processor'),
(5, 'Power Supply'),
(6, 'Headset'),
(7, 'CPU'),
(9, 'Others');
-- --------------------------------------------------------
--
-- Table structure for table `customer`
--
CREATE TABLE `customer` (
 `CUST_ID` int(11) NOT NULL,
 `FIRST_NAME` varchar(50) DEFAULT NULL,
 `LAST_NAME` varchar(50) DEFAULT NULL,
 `PHONE_NUMBER` varchar(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `customer`
--
INSERT    INTO    `customer`    (`CUST_ID`,    `FIRST_NAME`,    `LAST_NAME`,
`PHONE_NUMBER`) VALUES
(9, 'Hailee', 'Steinfield', '09394566543'),
(11, 'A Walk in Customer', NULL, NULL),
```

(14, 'Chuchay', 'Jusay', '09781633451'),

(15, 'Kimbert', 'Duyag', '09956288467'),

(16, 'Dieqcohr', 'Rufino', '09891344576');

-- --

--

-- Table structure for table `employee`

--

CREATE TABLE `employee` (

  `EMPLOYEE_ID` int(11) NOT NULL,

  `FIRST_NAME` varchar(50) DEFAULT NULL,

  `LAST_NAME` varchar(50) DEFAULT NULL,

  `GENDER` varchar(50) DEFAULT NULL,

  `EMAIL` varchar(100) DEFAULT NULL,

  `PHONE_NUMBER` varchar(11) DEFAULT NULL,

  `JOB_ID` int(11) DEFAULT NULL,

  `HIRED_DATE` varchar(50) NOT NULL,

  `LOCATION_ID` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `employee`

--

INSERT INTO `employee` (`EMPLOYEE_ID`, `FIRST_NAME`, `LAST_NAME`, `GENDER`, `EMAIL`, `PHONE_NUMBER`, `JOB_ID`, `HIRED_DATE`, `LOCATION_ID`) VALUES

(1, '1 Source', 'Code', 'Male', 'admin23@gmail.com', '09124033805', 1, '0000-00-00', 113),

(2, 'Josuey', 'Mag-asos', 'Male', 'jmagaso@yahoo.com', '09091245761', 2, '2019-01-28', 156),

(4, 'Monica', 'Empinado', 'Female', 'monicapadernal@gmail.com', '09123357105', 1, '2019-03-06', 158);

-- --

--

-- Table structure for table `job`

--

CREATE TABLE `job` (

  `JOB_ID` int(11) NOT NULL,

```
  `JOB_TITLE` varchar(50) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `job`
--
INSERT INTO `job` (`JOB_ID`, `JOB_TITLE`) VALUES
(1, 'Manager'),
(2, 'Cashier');
- --------------------------------------------------------
--
-- Table structure for table `location`
--
CREATE TABLE `location` (
  `LOCATION_ID` int(11) NOT NULL,
  `PROVINCE` varchar(100) DEFAULT NULL,
  `CITY` varchar(100) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `location`
--
INSERT INTO `location` (`LOCATION_ID`, `PROVINCE`, `CITY`) VALUES
(111, 'Negros Occidental', 'Bacolod City'),
(112, 'Negros Occidental', 'Bacolod City'),
(113, 'Negros Occidental', 'Metro Manila'),
(114, 'Negros Occidental', 'Himamaylan'),
(115, 'Negros Oriental', 'Dumaguette City'),
(116, 'Negros Occidental', 'Isabella'),
(126, 'Negros Occidental', 'Binalbagan'),
(130, 'Cebu', 'Bogo City'),
(131, 'Negros Occidental', 'Himamaylan'),
(132, 'Negros', 'Jupiter'),
(133, 'Aincrad', 'Floor 91'),
(134, 'negros', 'binalbagan'),
(135, 'hehe', 'tehee'),
(136, 'PLANET YEKOK', 'KOKEY'),
```

```
(137, 'Camiguin', 'Catarman'),
(138, 'Camiguin', 'Catarman'),
(139, 'Negros Occidental', 'Binalbagan'),
(140, 'Batangas', 'Lemery'),
(141, 'Capiz', 'Panay'),
(142, 'Camarines Norte', 'Labo'),
(143, 'Camarines Norte', 'Labo'),
(144, 'Camarines Norte', 'Labo'),
(145, 'Camarines Norte', 'Labo'),
(146, 'Capiz', 'Pilar'),
(147, 'Negros Occidental', 'Moises Padilla'),
(148, 'a', 'a'),
(149, '1', '1'),
(150, 'Negros Occidental', 'Himamaylan'),
(151, 'Masbate', 'Mandaon'),
(152, 'Aklanas', 'Madalagsasa'),
(153, 'Batangas', 'Mabini'),
(154, 'Bataan', 'Morong'),
(155, 'Capiz', 'Pillar'),
(156, 'Negros Occidental', 'Bacolod'),
(157, 'Camarines Norte', 'Labo'),
(158, 'Negros Occidental', 'Binalbagan');
-- --------------------------------------------------------
--
-- Table structure for table `manager`
--
CREATE TABLE `manager` (
  `FIRST_NAME` varchar(50) DEFAULT NULL,
  `LAST_NAME` varchar(50) DEFAULT NULL,
  `LOCATION_ID` int(11) NOT NULL,
  `EMAIL` varchar(50) DEFAULT NULL,
  `PHONE_NUMBER` varchar(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `manager`
```

```
--
INSERT INTO `manager` (`FIRST_NAME`, `LAST_NAME`, `LOCATION_ID`, `EMAIL`,
`PHONE_NUMBER`) VALUES
('Prince Ly', 'Cesar', 113, 'PC@00', '09124033805'),
('Emman', 'Adventures', 116, 'emman@', '09123346576'),
('Bruce', 'Willis', 113, 'bruce@', NULL),
('Regine', 'Santos', 111, 'regine@', '09123456789');


-- --------------------------------------------------------
--
-- Table structure for table `product`
--
CREATE TABLE `product` (
  `PRODUCT_ID` int(11) NOT NULL,
  `PRODUCT_CODE` varchar(20) NOT NULL,
  `NAME` varchar(50) DEFAULT NULL,
  `DESCRIPTION` varchar(250) NOT NULL,
  `QTY_STOCK` int(50) DEFAULT NULL,
  `ON_HAND` int(250) NOT NULL,
  `PRICE` int(50) DEFAULT NULL,
  `CATEGORY_ID` int(11) DEFAULT NULL,
  `SUPPLIER_ID` int(11) DEFAULT NULL,
  `DATE_STOCK_IN` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `product`
--
INSERT    INTO    `product`    (`PRODUCT_ID`,    `PRODUCT_CODE`,    `NAME`,
`DESCRIPTION`,    `QTY_STOCK`,    `ON_HAND`,    `PRICE`,    `CATEGORY_ID`,
`SUPPLIER_ID`, `DATE_STOCK_IN`) VALUES
(1, '20191001', 'Lenovo ideapad 20059', 'Windows 8', 1, 1, 32999, 7, 15, '2019-03-02'),
(3, '20191003', 'Predator Helios 300 Gaming Laptop', 'Windows 10 Home\r\nIntelÂ®
Coreâ„¢ i7-8750H processor Hexa-core 2.20 GHz\r\n15.6\" Full HD (1920 x 1080) ', 1, 1,
77850, 7, 15, '2019-03-02'),
(4, '20191002', 'Newmen E120', 'hehe', 1, 1, 550, 0, 11, '2019-03-02'),
```

(5, '20191002', 'Newmen E120', 'hehe', 1, 1, 550, 0, 15, '2019-03-03'),

(6, '20191002', 'Newmen E120', 'hehe', 1, 1, 550, 0, 11, '2019-03-04'),

(8, '20191002', 'Newmen E120', 'hehe', 1, 1, 550, 0, 11, '2019-03-05'),

(9, '20191002', 'Newmen E120', 'hehe', 1, 1, 550, 0, 11, '2019-03-04'),

(10, '20191004', 'Fantech EG1', 'BEST FOR MOBILE PHONE GAMERS\r\nSPEAKER:10mm\r\nIMPEDANCE: 18+-15%\r\nFREQUENCY RESPONSE: 20 TO 20khz\r\nMICROPHONE : OMNI DIRECTIONAL\r\nJACK: AUDIO+MICROPHONE\r\nCOMBINED JACK 3.5 WIRE\r\nWIRE LENGTH: 1.3M\r\nWhat in inside:-1 pcs Female 3.5mm to Audio and\r\nmicrop', 1, 1, 859, 6, 13, '2019-03-06'),

(11, '20191004', 'Fantech EG1', 'a', 1, 1, 895, 6, 13, '2019-03-01'),

(12, '20191004', 'Fantech EG1', 'a', 1, 1, 895, 6, 13, '2019-03-01'),

(13, '20191004', 'Fantech EG1', 'a', 1, 1, 895, 6, 13, '2019-03-01'),

(14, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(15, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(16, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(17, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(18, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(19, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(20, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(21, '20191002', 'Newmen E120', 'haha', 1, 1, 550, 0, 15, '2019-03-06'),

(22, '20191001', 'Lenovo ideapad 20059', 'hehe', 1, 1, 32999, 7, 12, '2019-03-11'),

(23, '20191001', 'Lenovo ideapad 20059', 'hehe', 1, 1, 32999, 7, 12, '2019-03-11'),

(24, '20191001', 'Lenovo ideapad 20059', 'hehe', 1, 1, 32999, 7, 12, '2019-03-11'),

(25, '20191001', 'Lenovo ideapad 20059', 'hehe', 1, 1, 32999, 7, 12, '2019-03-11'),

(26, '20191001', 'Lenovo ideapad 20059', 'hehe', 1, 1, 32999, 7, 12, '2019-03-11'),

(27, '20191005', 'A4tech OP-720', 'normal mouse', 1, 1, 289, 1, 16, '2019-03-13');

-- --

--

-- Table structure for table `supplier`

--

CREATE TABLE `supplier` (

 `SUPPLIER_ID` int(11) NOT NULL,

 `COMPANY_NAME` varchar(50) DEFAULT NULL,

 `LOCATION_ID` int(11) NOT NULL,

```
 `PHONE_NUMBER` varchar(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `supplier`
--
INSERT INTO `supplier` (`SUPPLIER_ID`, `COMPANY_NAME`, `LOCATION_ID`,
`PHONE_NUMBER`) VALUES
(11, 'InGame Tech', 114, '09457488521'),
(12, 'Asus', 115, '09635877412'),
(13, 'Razer Co.', 111, '09587855685'),
(15, 'Strategic Technology Co.', 116, '09124033805'),
(16, 'A4tech', 155, '09775673257');
-- --------------------------------------------------------
--
-- Table structure for table `transaction`
--
CREATE TABLE `transaction` (
  `TRANS_ID` int(50) NOT NULL,
  `CUST_ID` int(11) DEFAULT NULL,
  `NUMOFITEMS` varchar(250) NOT NULL,
  `SUBTOTAL` varchar(50) NOT NULL,
  `LESSVAT` varchar(50) NOT NULL,
  `NETVAT` varchar(50) NOT NULL,
  `ADDVAT` varchar(50) NOT NULL,
  `GRANDTOTAL` varchar(250) NOT NULL,
  `CASH` varchar(250) NOT NULL,
  `DATE` varchar(50) NOT NULL,
  `TRANS_D_ID` varchar(250) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `transaction`
--
```

```
INSERT INTO `transaction` (`TRANS_ID`, `CUST_ID`, `NUMOFITEMS`, `SUBTOTAL`,
`LESSVAT`, `NETVAT`, `ADDVAT`, `GRANDTOTAL`, `CASH`, `DATE`,
`TRANS_D_ID`) VALUES
(3, 16, '3', '456,982.00', '48,962.36', '408,019.64', '48,962.36', '456,982.00', '500000', '2019-
03-18', '0318160336'),
(4, 11, '2', '1,967.00', '210.75', '1,756.25', '210.75', '1,967.00', '2000', '2019-03-18',
'0318160622'),
(5, 14, '1', '550.00', '58.93', '491.07', '58.93', '550.00', '550', '2019-03-18', '0318170309'),
(6, 15, '1', '77,850.00', '8,341.07', '69,508.93', '8,341.07', '77,850.00', '80000', '2019-03-18',
'0318170352'),
(7, 16, '1', '1,718.00', '184.07', '1,533.93', '184.07', '1,718.00', '2000', '2019-03-18',
'0318170511'),
(8, 16, '1', '1,718.00', '184.07', '1,533.93', '184.07', '1,718.00', '2000', '2019-03-18',
'0318170524'),
(9, 14, '1', '1,718.00', '184.07', '1,533.93', '184.07', '1,718.00', '2000', '2019-03-18',
'0318170551'),
(10, 11, '1', '289.00', '30.96', '258.04', '30.96', '289.00', '500', '2019-03-18', '0318170624'),
(11, 9, '2', '1,148.00', '123.00', '1,025.00', '123.00', '1,148.00', '2000', '2019-03-18',
'0318170825'),
(12, 9, '1', '5,500.00', '589.29', '4,910.71', '589.29', '5,500.00', '6000', '2019-03-18 19:40 pm',
'0318194016');
-- --------------------------------------------------------
--
-- Table structure for table `transaction_details`
--
CREATE TABLE `transaction_details` (
  `ID` int(11) NOT NULL,
  `TRANS_D_ID` varchar(250) NOT NULL,
  `PRODUCTS` varchar(250) NOT NULL,
  `QTY` varchar(250) NOT NULL,
  `PRICE` varchar(250) NOT NULL,
  `EMPLOYEE` varchar(250) NOT NULL,
  `ROLE` varchar(250) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
```

-- Dumping data for table `transaction_details`

--

INSERT INTO `transaction_details` (`ID`, `TRANS_D_ID`, `PRODUCTS`, `QTY`, `PRICE`, `EMPLOYEE`, `ROLE`) VALUES

(7, '0318160336', 'Lenovo ideapad 20059', '2', '32999', 'Prince Ly', 'Manager'),

(8, '0318160336', 'Predator Helios 300 Gaming Laptop', '5', '77850', 'Prince Ly', 'Manager'),

(9, '0318160336', 'A4tech OP-720', '6', '289', 'Prince Ly', 'Manager'),

(10, '0318160622', 'Newmen E120', '2', '550', 'Prince Ly', 'Manager'),

(11, '0318160622', 'A4tech OP-720', '3', '289', 'Prince Ly', 'Manager'),

(12, '0318170309', 'Newmen E120', '1', '550', 'Prince Ly', 'Manager'),

(13, '0318170352', 'Predator Helios 300 Gaming Laptop', '1', '77850', 'Prince Ly', 'Manager'),

(14, '0318170511', 'Fantech EG1', '2', '859', 'Prince Ly', 'Manager'),

(15, '0318170524', 'Fantech EG1', '2', '859', 'Prince Ly', 'Manager'),

(16, '0318170551', 'Fantech EG1', '2', '859', 'Prince Ly', 'Manager'),

(17, '0318170624', 'A4tech OP-720', '1', '289', 'Prince Ly', 'Manager'),

(18, '0318170825', 'A4tech OP-720', '1', '289', 'Prince Ly', 'Manager'),

(19, '0318170825', 'Fantech EG1', '1', '859', 'Prince Ly', 'Manager'),

(20, '0318194016', 'Newmen E120', '10', '550', 'Josuey', 'Cashier');

-- --

--

-- Table structure for table `type`

--

CREATE TABLE `type` (

 `TYPE_ID` int(11) NOT NULL,

 `TYPE` varchar(50) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `type`

--

INSERT INTO `type` (`TYPE_ID`, `TYPE`) VALUES

(1, 'Admin'),

(2, 'User');

-- --

--

-- Table structure for table `users`

```
--
CREATE TABLE `users` (
  `ID` int(11) NOT NULL,
  `EMPLOYEE_ID` int(11) DEFAULT NULL,
  `USERNAME` varchar(50) DEFAULT NULL,
  `PASSWORD` varchar(50) DEFAULT NULL,
  `TYPE_ID` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `users`
--
INSERT INTO `users` (`ID`, `EMPLOYEE_ID`, `USERNAME`, `PASSWORD`,
`TYPE_ID`) VALUES
(1, 1, 'admin', 'd033e22ae348aeb5660fc2140aec35850c4da997', 1),
(7, 2, 'test', 'a94a8fe5ccb19ba61c4c0873d391e987982fbbd3', 2),
(9, 4, 'mncpdrnl', '8cb2237d0679ca88db6464eac60da96345513964', 2);


--
-- Indexes for dumped tables
--
--
-- Indexes for table `category`
--
ALTER TABLE `category`
  ADD PRIMARY KEY (`CATEGORY_ID`);
--
-- Indexes for table `customer`
--
ALTER TABLE `customer`
  ADD PRIMARY KEY (`CUST_ID`);
--
-- Indexes for table `employee`
--
ALTER TABLE `employee`
  ADD PRIMARY KEY (`EMPLOYEE_ID`),
```

```
ADD UNIQUE KEY `EMPLOYEE_ID` (`EMPLOYEE_ID`),
ADD UNIQUE KEY `PHONE_NUMBER` (`PHONE_NUMBER`),
ADD KEY `LOCATION_ID` (`LOCATION_ID`),
ADD KEY `JOB_ID` (`JOB_ID`);
--
-- Indexes for table `job`
--
ALTER TABLE `job`
ADD PRIMARY KEY (`JOB_ID`);
--
-- Indexes for table `location`
--
ALTER TABLE `location`
ADD PRIMARY KEY (`LOCATION_ID`);
--
-- Indexes for table `manager`
--
ALTER TABLE `manager`
ADD UNIQUE KEY `PHONE_NUMBER` (`PHONE_NUMBER`),
ADD KEY `LOCATION_ID` (`LOCATION_ID`);
--
-- Indexes for table `product`
--
ALTER TABLE `product`
ADD PRIMARY KEY (`PRODUCT_ID`),
ADD KEY `CATEGORY_ID` (`CATEGORY_ID`),
ADD KEY `SUPPLIER_ID` (`SUPPLIER_ID`);
--
-- Indexes for table `supplier`
--
ALTER TABLE `supplier`
ADD PRIMARY KEY (`SUPPLIER_ID`),
ADD KEY `LOCATION_ID` (`LOCATION_ID`);
--
-- Indexes for table `transaction`
```

```
--

ALTER TABLE `transaction`
  ADD PRIMARY KEY (`TRANS_ID`),
  ADD KEY `TRANS_DETAIL_ID` (`TRANS_D_ID`),
  ADD KEY `CUST_ID` (`CUST_ID`);

--

-- Indexes for table `transaction_details`

--

ALTER TABLE `transaction_details`
  ADD PRIMARY KEY (`ID`),
  ADD KEY `TRANS_D_ID` (`TRANS_D_ID`) USING BTREE;

--

-- Indexes for table `type`

--

ALTER TABLE `type`
  ADD PRIMARY KEY (`TYPE_ID`);

--

-- Indexes for table `users`

--

ALTER TABLE `users`
  ADD PRIMARY KEY (`ID`),
  ADD KEY `TYPE_ID` (`TYPE_ID`),
  ADD KEY `EMPLOYEE_ID` (`EMPLOYEE_ID`);

--

-- AUTO_INCREMENT for dumped tables

--

--

-- AUTO_INCREMENT for table `category`

--

ALTER TABLE `category`
  MODIFY    `CATEGORY_ID`    int(11)    NOT    NULL    AUTO_INCREMENT,
AUTO_INCREMENT=10;

--

-- AUTO_INCREMENT for table `customer`

--
```

```
ALTER TABLE `customer`
 MODIFY     `CUST_ID`     int(11)    NOT    NULL    AUTO_INCREMENT,
AUTO_INCREMENT=17;
--
-- AUTO_INCREMENT for table `employee`
--
ALTER TABLE `employee`
 MODIFY    `EMPLOYEE_ID`    int(11)    NOT    NULL    AUTO_INCREMENT,
AUTO_INCREMENT=5;
--
-- AUTO_INCREMENT for table `location`
--
ALTER TABLE `location`
 MODIFY    `LOCATION_ID`    int(11)    NOT    NULL    AUTO_INCREMENT,
AUTO_INCREMENT=159;
--
-- AUTO_INCREMENT for table `product`
--
ALTER TABLE `product`
 MODIFY    `PRODUCT_ID`    int(11)    NOT    NULL    AUTO_INCREMENT,
AUTO_INCREMENT=28;
--
-- AUTO_INCREMENT for table `supplier`
--
ALTER TABLE `supplier`
 MODIFY    `SUPPLIER_ID`    int(11)    NOT    NULL    AUTO_INCREMENT,
AUTO_INCREMENT=17;
--
-- AUTO_INCREMENT for table `transaction`
--
ALTER TABLE `transaction`
 MODIFY    `TRANS_ID`    int(50)    NOT    NULL    AUTO_INCREMENT,
AUTO_INCREMENT=13;
--
-- AUTO_INCREMENT for table `transaction_details`
```

--

ALTER TABLE `transaction_details`

  MODIFY `ID` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=21;

--

-- AUTO_INCREMENT for table `users`

--

ALTER TABLE `users`

  MODIFY `ID` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=10;

--

-- Constraints for dumped tables

--

--

-- Constraints for table `employee`

--

ALTER TABLE `employee`

  ADD   CONSTRAINT   `employee_ibfk_1`   FOREIGN   KEY   (`LOCATION_ID`)
REFERENCES `location` (`LOCATION_ID`),

  ADD CONSTRAINT `employee_ibfk_2` FOREIGN KEY (`JOB_ID`) REFERENCES
`job` (`JOB_ID`);

--

-- Constraints for table `manager`

--

ALTER TABLE `manager`

  ADD   CONSTRAINT   `manager_ibfk_1`   FOREIGN   KEY   (`LOCATION_ID`)
REFERENCES `location` (`LOCATION_ID`);

--

-- Constraints for table `product`

--

--

-- Constraints for table `supplier`

--

ALTER TABLE `supplier`

  ADD   CONSTRAINT   `supplier_ibfk_1`   FOREIGN   KEY   (`LOCATION_ID`)
REFERENCES `location` (`LOCATION_ID`);

--

```
-- Constraints for table `transaction`
--
ALTER TABLE `transaction`
  ADD CONSTRAINT `transaction_ibfk_3` FOREIGN KEY (`CUST_ID`) REFERENCES
`customer` (`CUST_ID`),
  ADD CONSTRAINT `transaction_ibfk_4` FOREIGN KEY (`TRANS_D_ID`)
REFERENCES `transaction_details` (`TRANS_D_ID`);
--
-- Constraints for table `users`
--
ALTER TABLE `users`
  ADD CONSTRAINT `users_ibfk_3` FOREIGN KEY (`TYPE_ID`) REFERENCES `type`
(`TYPE_ID`),
  ADD CONSTRAINT `users_ibfk_4` FOREIGN KEY (`EMPLOYEE_ID`) REFERENCES
`employee` (`EMPLOYEE_ID`);
COMMIT;


/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

CHAPTER 5

SNAPSHOTS

Backend Snapshots

Customer table

+ Options

				CUST_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER
☐	🖉 Edit	Copy	⊖ Delete	9	Ram	Steinfield	09394566543
☐	🖉 Edit	Copy	⊖ Delete	11	A Walk in Customer	*NULL*	*NULL*
☐	🖉 Edit	Copy	⊖ Delete	14	Chuchay	Jusay	09781633451
☐	🖉 Edit	Copy	⊖ Delete	15	Kimbert	Duyag	09956288467
☐	🖉 Edit	Copy	⊖ Delete	16	Dieqcohr	Rufino	09891344576
☐	🖉 Edit	Copy	⊖ Delete	17	John	M	123456789

Category table

+ Options

				CATEGORY_ID	CNAME
☐	🖉 Edit	Copy	⊖ Delete	0	Keyboard
☐	🖉 Edit	Copy	⊖ Delete	1	Mouse
☐	🖉 Edit	Copy	⊖ Delete	2	Monitor
☐	🖉 Edit	Copy	⊖ Delete	3	Motherboard
☐	🖉 Edit	Copy	⊖ Delete	4	Processor
☐	🖉 Edit	Copy	⊖ Delete	5	Power Supply
☐	🖉 Edit	Copy	⊖ Delete	6	Headset
☐	🖉 Edit	Copy	⊖ Delete	7	CPU
☐	🖉 Edit	Copy	⊖ Delete	9	Others

Employee table

+ Options

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	GENDER	EMAIL	PHONE_NUMBER	JOB_ID	HIRED_DATE	LOCATION_ID
☐ Edit Copy Delete	1	Admin	Admin	Male	admin23@gmail.com	09124033805	1	0000-00-00	113
☐ Edit Copy Delete	2	Ram	R	Male	ramr@gmail.com	09091245761	2	2019-01-28	156
☐ Edit Copy Delete	4	Monica	M	Female	mmonica@gmail.com	09123357105	1	2019-03-06	158

Product table

+ Options

	PRODUCT_ID	PRODUCT_CODE	NAME	DESCRIPTION	QTY_STOCK	ON_HAND	PRICE	CATEGORY_ID	SUPPLIER_ID	DATE_STOCK_IN
☐ Edit Copy Delete	1	20191001	Lenovo ideapad 20059	Windows 8	1	1	32999	7	15	2019-03-02
☐ Edit Copy Delete	3	20191003	Predator Helios 300 Gaming Laptop	Windows 10 Home IntelÂ® Coreâ„¢ i7-8750H processo...	1	1	77850	7	15	2019-03-02
☐ Edit Copy Delete	4	20191002	Newmen E120	hehe	1	1	550	0	11	2019-03-02
☐ Edit Copy Delete	5	20191002	Newmen E120	hehe	1	1	550	0	15	2019-03-03
☐ Edit Copy Delete	6	20191002	Newmen E120	hehe	1	1	550	0	11	2019-03-04
☐ Edit Copy Delete	8	20191002	Newmen E120	hehe	1	1	550	0	11	2019-03-05
☐ Edit Copy Delete	9	20191002	Newmen E120	hehe	1	1	550	0	11	2019-03-04
☐ Edit Copy Delete	10	20191004	Fantech EG1	BEST FOR MOBILE PHONE GAMERS SPEAKER:10mm IMPEDA...	1	1	859	6	13	2019-03-06
☐ Edit Copy Delete	11	20191004	Fantech EG1	a	1	1	895	6	13	2019-03-01
☐ Edit Copy Delete	12	20191004	Fantech EG1	a	1	1	895	6	13	2019-03-01
☐ Edit Copy Delete	13	20191004	Fantech EG1	a	1	1	895	6	13	2019-03-01
☐ Edit Copy Delete	14	20191002	Newmen E120	haha	1	1	550	0	15	2019-03-06
☐ Edit Copy Delete	15	20191002	Newmen E120	haha	1	1	550	0	15	2019-03-06
☐ Edit Copy Delete	16	20191002	Newmen E120	haha	1	1	550	0	15	2019-03-06

Vendor/Supplier table

+ Options

	SUPPLIER_ID	COMPANY_NAME	LOCATION_ID	PHONE_NUMBER
☐ Edit Copy Delete	11	InGame Tech	114	09457488521
☐ Edit Copy Delete	12	Asus	115	09635877412
☐ Edit Copy Delete	13	Razer Co.	111	09587855685
☐ Edit Copy Delete	15	Strategic Technology Co.	116	09124033805
☐ Edit Copy Delete	16	A4tech	155	09775673257

Transaction table

					ID	TRANS_D_ID	PRODUCTS	QTY	PRICE	EMPLOYEE	ROLE
☐	Edit	Copy	Delete		7	0318160336	Lenovo ideapad 20059	2	32999	Prince Ly	Manager
☐	Edit	Copy	Delete		8	0318160336	Predator Helios 300 Gaming Laptop	5	77850	Prince Ly	Manager
☐	Edit	Copy	Delete		9	0318160336	A4tech OP-720	6	289	Prince Ly	Manager
☐	Edit	Copy	Delete		10	0318160622	Newmen E120	2	550	Prince Ly	Manager
☐	Edit	Copy	Delete		11	0318160622	A4tech OP-720	3	289	Prince Ly	Manager
☐	Edit	Copy	Delete		12	0318170309	Newmen E120	1	550	Prince Ly	Manager
☐	Edit	Copy	Delete		13	0318170352	Predator Helios 300 Gaming Laptop	1	77850	Prince Ly	Manager
☐	Edit	Copy	Delete		14	0318170511	Fantech EG1	2	859	Prince Ly	Manager
☐	Edit	Copy	Delete		15	0318170524	Fantech EG1	2	859	Prince Ly	Manager
☐	Edit	Copy	Delete		16	0318170551	Fantech EG1	2	859	Prince Ly	Manager
☐	Edit	Copy	Delete		17	0318170624	A4tech OP-720	1	289	Prince Ly	Manager
☐	Edit	Copy	Delete		18	0318170825	A4tech OP-720	1	289	Prince Ly	Manager
☐	Edit	Copy	Delete		19	0318170825	Fantech EG1	1	859	Prince Ly	Manager
☐	Edit	Copy	Delete		20	0318194016	Newmen E120	10	550	Josuey	Cashier
☐	Edit	Copy	Delete		21	0206150100	Newmen E120	1	550	1 Source	Manager

Job table

				JOB_ID	JOB_TITLE
☐	Edit	Copy	Delete	1	Manager
☐	Edit	Copy	Delete	2	Cashier

Manager table

				FIRST_NAME	LAST_NAME	LOCATION_ID	EMAIL	PHONE_NUMBER
☐	Edit	Copy	Delete	Prince Ly	Cesar	113	PC@00	09124033805
☐	Edit	Copy	Delete	Emman	Adventures	116	emman@	09123346576
☐	Edit	Copy	Delete	Bruce	Willis	113	bruce@	NULL
☐	Edit	Copy	Delete	Regine	Santos	111	regine@	09123456789

Frontend Snapshots

Home page
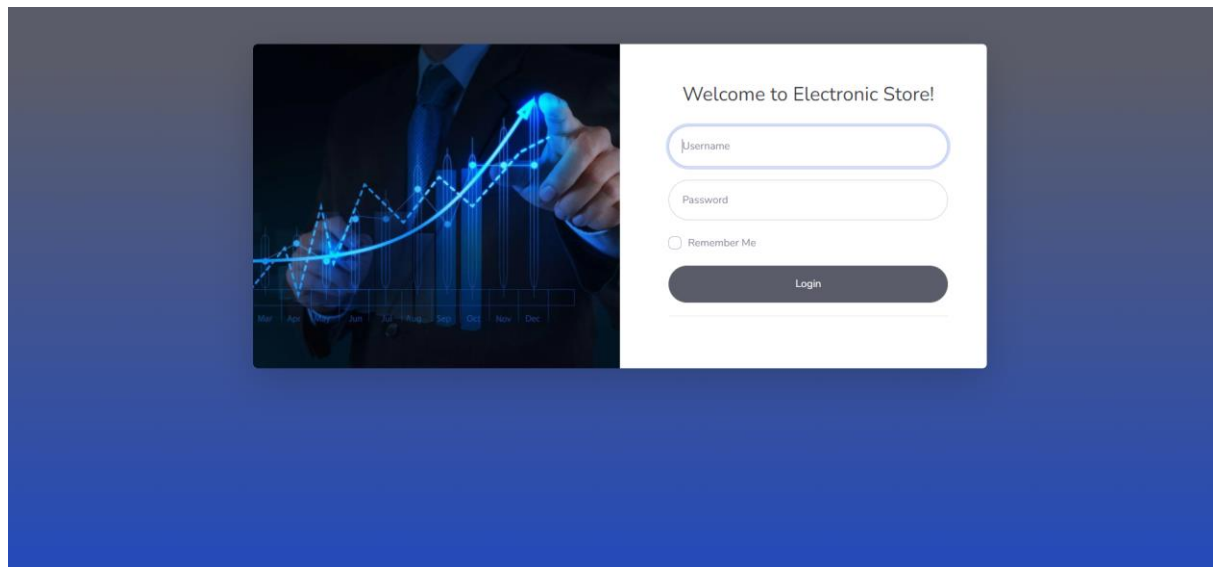
Login page
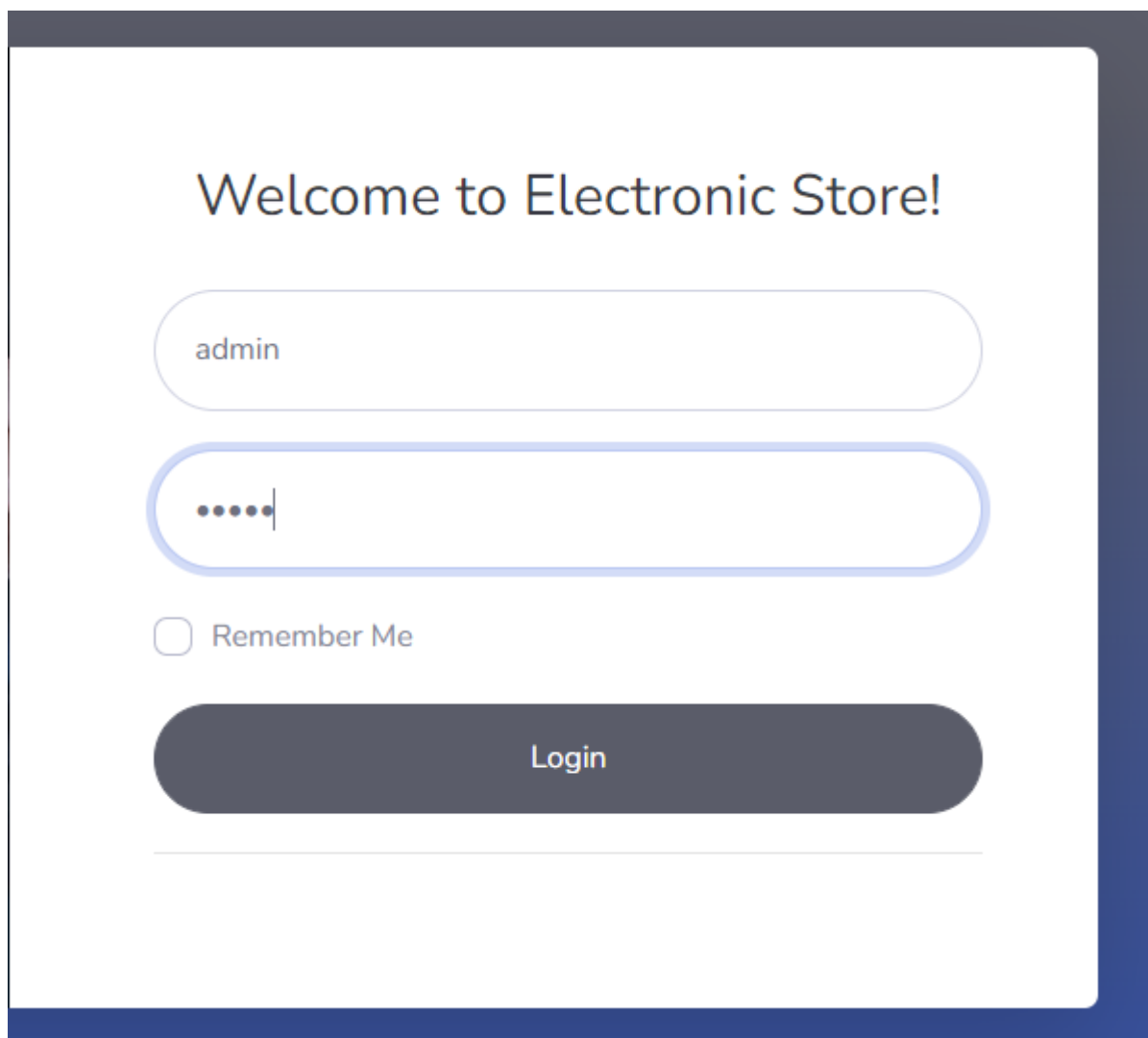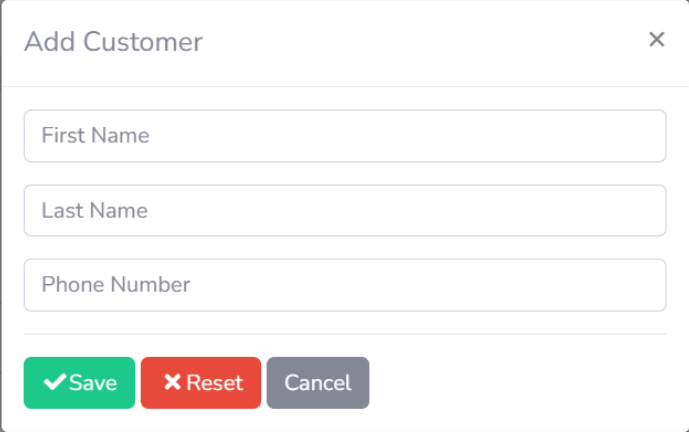
Dashboard

Customer table

Adding new customer

Employee table

Adding new Employee

Product table

Product **+**

Show 10 ⬍ entries   Search:

Product Code	Name	Price	Category	Action
20191001	Lenovo ideapad 20059	32999	CPU	Details ...
20191002	Newmen E120	550	Keyboard	Details ...
20191003	Predator Helios 300 Gaming Laptop	77850	CPU	Details ...
20191004	Fantech EG1	859	Headset	Details ...
20191005	A4tech OP-720	289	Mouse	Details ...
20191030	Apple MacBook Pro	250000	Others	Details ...

Vendor/Supplier table

Supplier **+**

Show 10 ⬍ entries   Search:

Company Name	Province	City	Phone Number	Option
A4tech	Capiz	Pillar	09775673257	Details ...
Asus	Negros Oriental	Dumaguette City	09635877412	Details ...
InGame Tech	Negros Occidental	Himamaylan	09457488521	Details ...
Razer Co.	Negros Occidental	Bacolod City	09587855685	Details ...
Strategic Technology Co.	Negros Occidental	Isabella	09124033805	Details ...

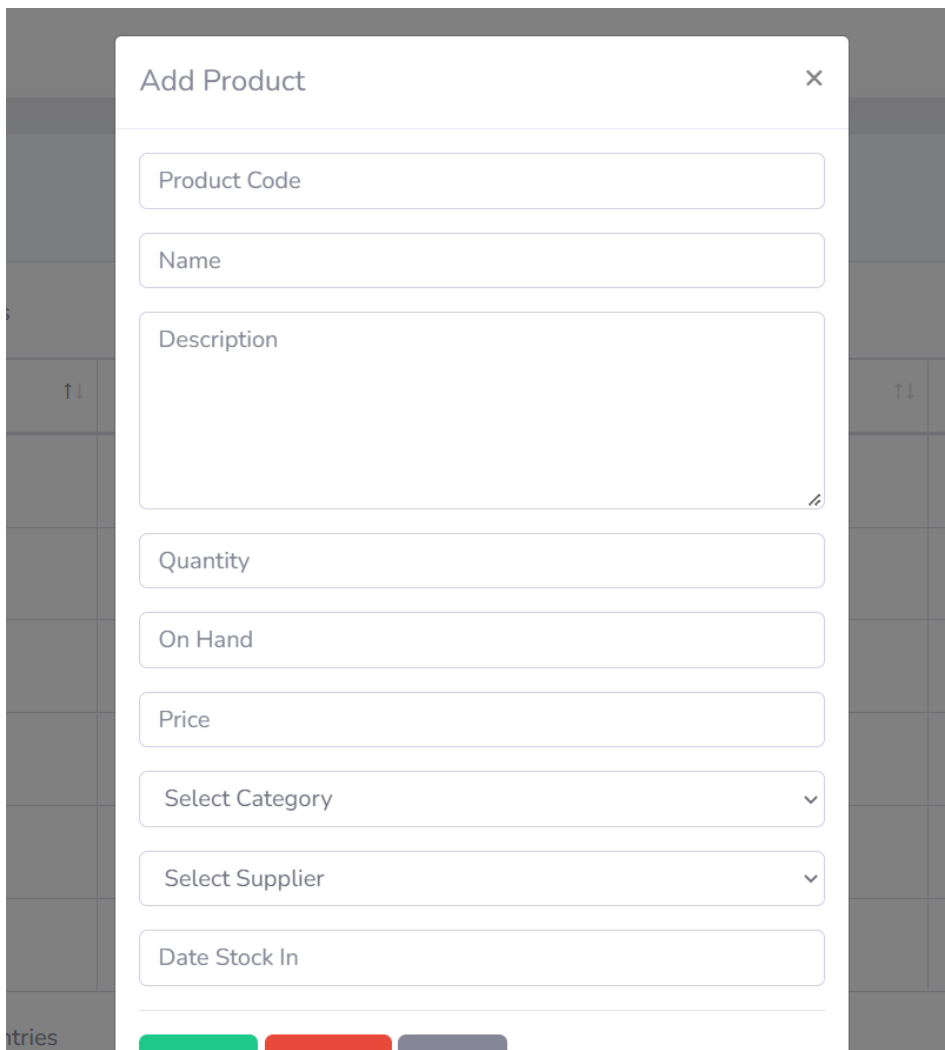Showing 1 to 5 of 5 entries   Previous 1 Next

Transaction table

Transaction

Show 10 ⬍ entries   Search: [   ]

Transaction Number ↑↓	Customer ↑↓	# of Items ↑↓	Action ↑↓
0206150100	John M	2	☰ View
0318160336	Dieqcohr Rufino	3	☰ View
0318160622	A Walk in Customer	2	☰ View
0318170309	Chuchay Jusay	1	☰ View
0318170352	Kimbert Duyag	1	☰ View
0318170511	Dieqcohr Rufino	1	☰ View
0318170524	Dieqcohr Rufino	1	☰ View
0318170551	Chuchay Jusay	1	☰ View

Admin table

Admin Account(s)

Show 10 ⬍ entries   Search: [   ]

Name ↑↓	Username ↑↓	Type ↑↓	Action ↑↓
Admin Admin	admin	Admin	☰ Details ...

Showing 1 to 1 of 1 entries   Previous **1** Next

User Accounts +

Name	Username	Type	Action
Ram R	test	User	☰ Details ...
Monica M	mncpdrnl	User	☰ Details ...

Adding new product

Adding new supplier

Add Supplier   ✕

Company Name

Select Province

Select City / Municipality

Phone Number

✔ Save   ✖ Reset   Cancel

			Phone Number
			09775673257
			09635877412
	Negros Occidental	Himamaylan	09457488521

Adding new supplier

CHAPTER 6

QUERIES

1. Find out the maximum amount spent by a customer from the transaction table along with his customer id.

```
SELECT CUST_ID, MAX(GRANDTOTAL) from transaction;
```

+ Options

	CUST_ID	MAX(GRANDTOTAL)
☐ ✏ Edit ⸭ Copy ⊖ Delete 16		839.00

2. Find out the date and amount spent by customer ' John '.

```
SELECT CASH,DATE
FROM transaction,customer
WHERE transaction.CUST_ID = customer.CUST_ID
AND customer.FIRST_NAME = "John";
```

+ Options

CASH	DATE
839	2022-02-06 15:00 pm

3. List out the product names supplied by the supplier company Lenovo.

```
1  SELECT NAME
2  FROM supplier,product
3  WHERE supplier.SUPPLIER_ID = product.SUPPLIER_ID
4  AND supplier.COMPANY_NAME = "Lenovo";
```

+ Options

NAME
Lenovo ideapad 20059
Lenovo ideapad 20059
Lenovo ideapad 20059
Lenovo ideapad 20059
Lenovo ideapad 20059

4. Update phone.no of a customer.

Before

+ Options

				CUST_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER
☐	Edit	Copy	Delete	9	Ram	Steinfield	09394566543
☐	Edit	Copy	Delete	11	A Walk in Customer	NULL	NULL
☐	Edit	Copy	Delete	14	Chuchay	Jusay	09781633451
☐	Edit	Copy	Delete	15	Kimbert	Duyag	09956288467
☐	Edit	Copy	Delete	16	Dieqcohr	Rufino	09891344576
☐	Edit	Copy	Delete	17	John	M	123456789

Query

```
UPDATE `customer` SET `PHONE_NUMBER`='9123456781' WHERE CUST_ID = 9;
```

After

		CUST_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER
☐ Edit Copy Delete		9	Ram	Steinfield	9123456781
☐ Edit Copy Delete		11	A Walk in Customer	NULL	NULL
☐ Edit Copy Delete		14	Chuchay	Jusay	09781633451
☐ Edit Copy Delete		15	Kimbert	Duyag	09956288467
☐ Edit Copy Delete		16	Dieqcohr	Rufino	09891344576
☐ Edit Copy Delete		17	John	M	123456789

5. Delete a record of a manger.

Before

	FIRST_NAME	LAST_NAME	LOCATION_ID	EMAIL	PHONE_NUMBER
☐ Edit Copy Delete	Prince Ly	Cesar	113	PC@00	09124033805
☐ Edit Copy Delete	Emman	Adventures	116	emman@	09123346576
☐ Edit Copy Delete	Bruce	Willis	113	bruce@	NULL
☐ Edit Copy Delete	Regine	Santos	111	regine@	09123456789

Query

```
DELETE FROM `manager` WHERE EMAIL = 'pc@00';
```

After

	FIRST_NAME	LAST_NAME	LOCATION_ID	EMAIL	PHONE_NUMBER
☐ Edit Copy Delete	Emman	Adventures	116	emman@	09123346576
☐ Edit Copy Delete	Bruce	Willis	113	bruce@	NULL
☐ Edit Copy Delete	Regine	Santos	111	regine@	09123456789

CONCLUSION

In this project we came up with an idea of computerizing the whole working of a shop welling electronic goods i.e., creating a record of all the customers and all the items available in the store. The project is for computerizing the working in the marketplace. The system takes care of all the requirements of the shop and is capable to provide easy and effective storage of information related to customers and the items available.

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