

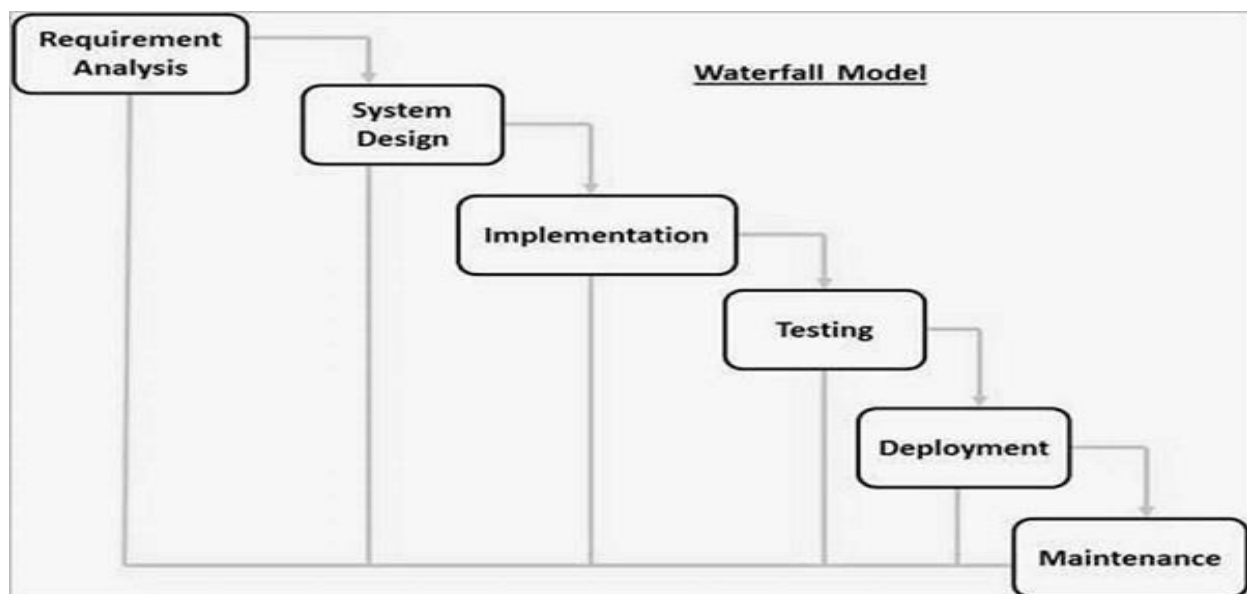
PHASE 5:DEVELOPMENT PART 3

Introduction

Computer plays an important role in our daily life. Anything we want we can get only in one mouse click. Speed, reliability and accuracy of the computer make it a powerful tool for different purposes. A very important and basic need of today's modern business world is the quick availability and processing of information using computer. One can easily get the type of required information within a fraction of a second. The project that I have taken is also in this category which is used in our daily life whenever we want to purchase some items we can easily get them at our home.

E-commerce (electronic commerce) is the buying and selling of goods and services, or the transmitting of funds or data, over an electronic network, primarily the internet. These business transactions occur either as business-to-business (B2B), business-to-consumer (B2C), consumerto-consumer or consumer-to-business. The terms e-commerce and e-business are often used interchangeably. The term e-tail is also sometimes used in reference to the transactional processes for online shopping.

Methodology Development Model



The sequential phases in Waterfall model are –

Requirement Gathering and analysis – All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification document.

- **System Design** – The requirement specifications from first phase are studied in this phase and the system design is prepared. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.
- **Implementation** – With inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.
- **Integration and Testing** – All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
- **Deployment of system** – Once the functional and non-functional testing is done; the product is deployed in the customer environment or released into the market.
- **Maintenance** – There are some issues which come up in the client environment. To fix those issues, patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

Tools and Technique

- a. Php
- b. Xampp
- c. Mysql yog
- d. HTML
- e. Bootstrap
- f. Sublime text
- g. Git hub
- h. Java Script

Specification Requirement

External Interfaces

- This interface will be actual interface through which the user will communication with the application and perform the desired tasks.

Admin login

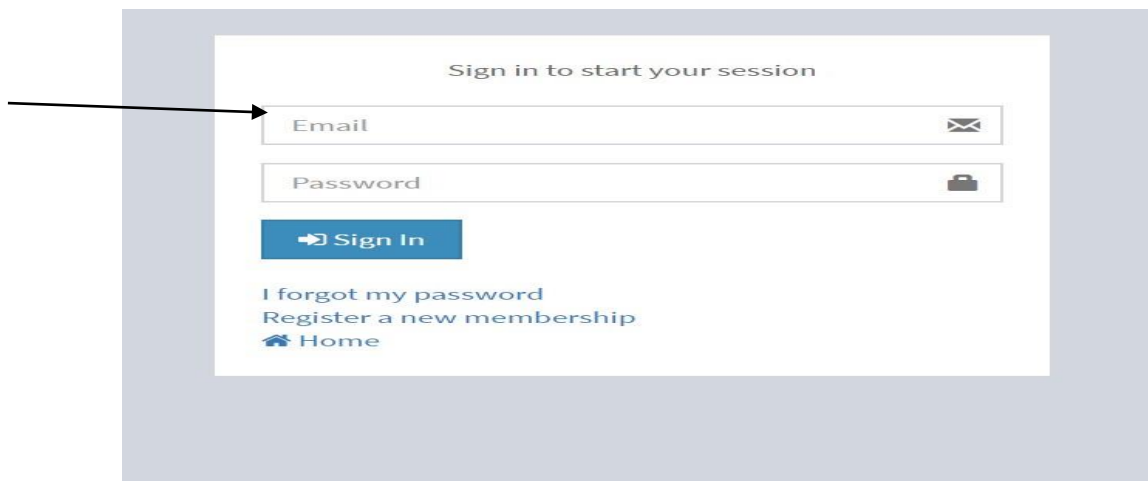
I.D:

Role: Admin wishes to login to the system

Precondition: Username and Password

Success end Condition: Main option of screen display

Failed end Condition: User has entered incorrect Username and Password or both



Edit











ID:

Precondition: User has successfully navigated to the search result

Success end Condition: User has successfully made the changes

1.To edit user records in the data base, first search the record you want to edit then click on 'edit' button.

2.Edit the particulars user that you want to change and click on' Save' button.

| Photo | Email | Name | Status | Date Added | Tools |
|---|---|------------------|--------|--------------|--|
|  |  harry@den.com | Harry Den | active | May 09, 2018 |  Cart  Edit  Delete |
|  |  christine@gmail.com | Christine becker | active | Jul 09, 2018 |  Cart  Edit  Delete |

Showing 1 to 2 of 2 entries

Previous 1 Next

Software Product Features

Ecommerce system

Login Information System ➤

Description

- The system will maintain the login information of its user to enter in to the software
- Validating Checks
 - Administrator need to login the unique id and password.
 - Contact number should have maximum 10 digits.
 - All the details must be fill up.
 - Email address should be in the proper format.
- Sequencing information
 - Login information should be filled before the user allowed.
- Error Handling
 - If user doesn't filled up validate information then the system display error message for user and request to enter the validate information.

Performance required

➤ Security

-System should be Protected from unauthorized access Where the validate Username and Password are required so no other can access.

➤ Maintainability

-System should be design in a maintain order. So it can be easily modified.

Logical Database

categories

| Column | Type | Null | Default | Links to | Comments | MIME |
|------------------|----------|------|---------|----------|----------|------|
| cat_id (Primary) | int(100) | No | | | | |
| cat_title | text | No | | | | |

Indexes

| Keyname | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
|---------|-------|--------|--------|--------|-------------|-----------|------|---------|
| PRIMARY | BTREE | Yes | No | cat_id | 3 | A | No | |

orders

| Column | Type | Null | Default | Links to | Comments | MIME |
|--------------------|--------------|------|---------|----------|----------|------|
| order_id (Primary) | int(11) | No | | | | |
| user_id | int(11) | No | | | | |
| product_id | int(11) | No | | | | |
| qty | int(11) | No | | | | |
| trx_id | varchar(255) | No | | | | |
| p_status | varchar(20) | No | | | | |

Indexes

Data Design

Data Model: A database model is a type of data model that determines the logical structure of a database and fundamentally determines in which manner data can be stored, organized and manipulated.

Level 0

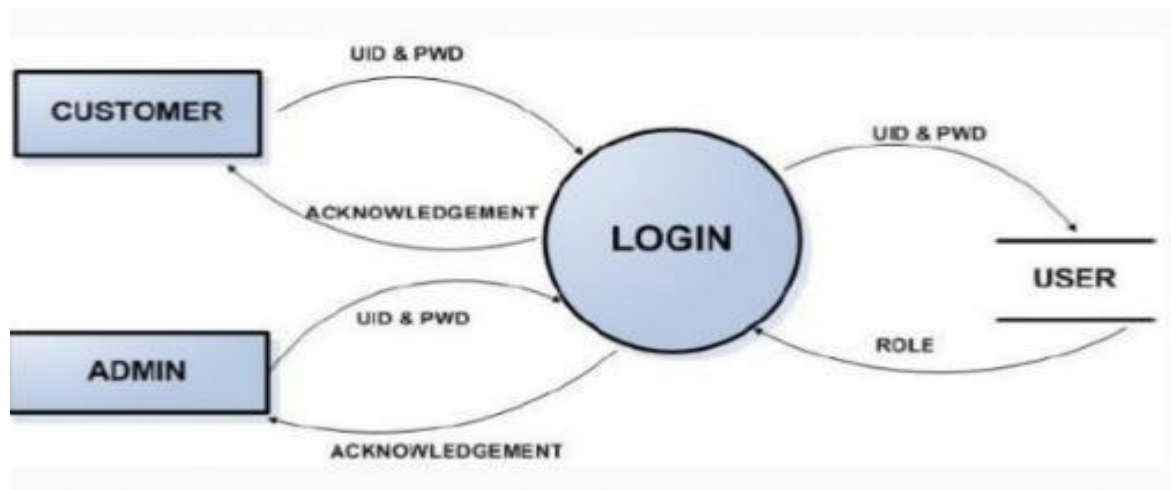


Figure: Data flow

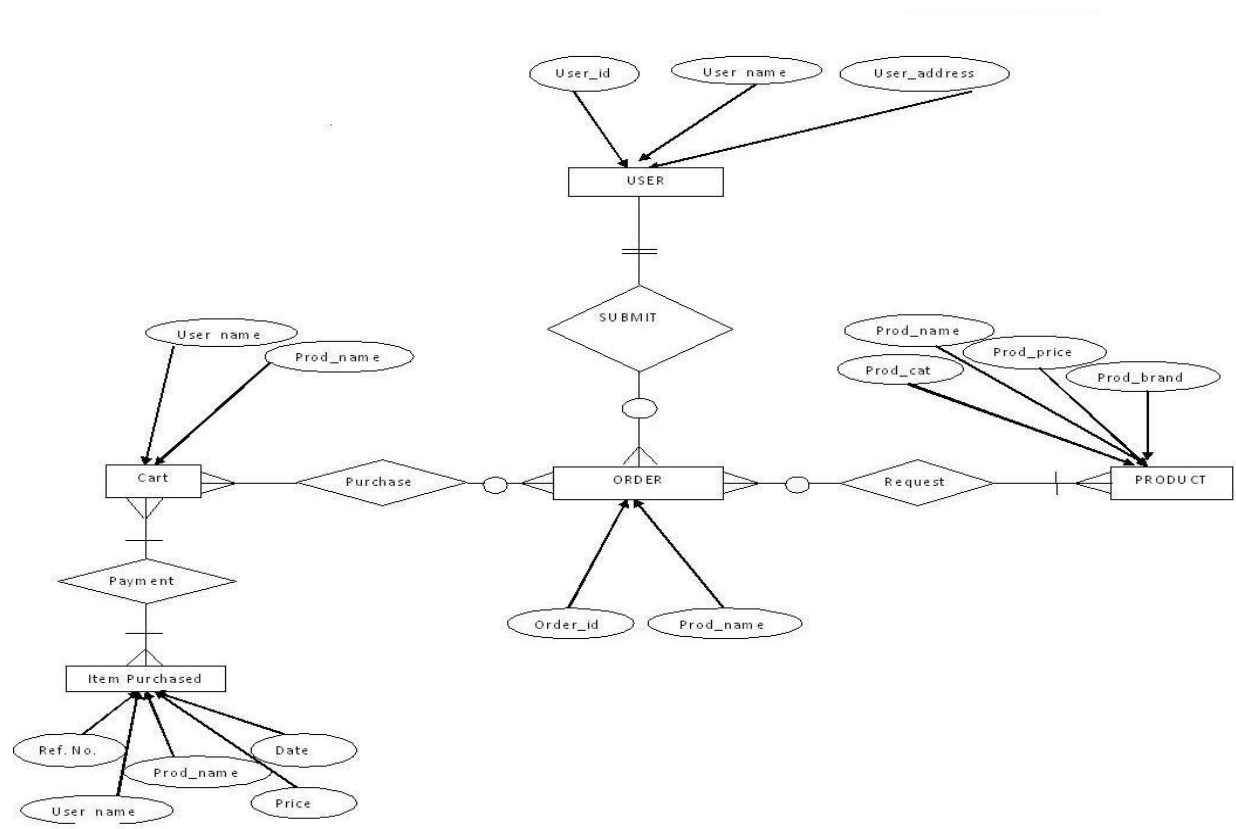


Figure:ER diagram

| ecom brands |
|---------------------|
| brand_id : int(100) |
| brand_title : text |

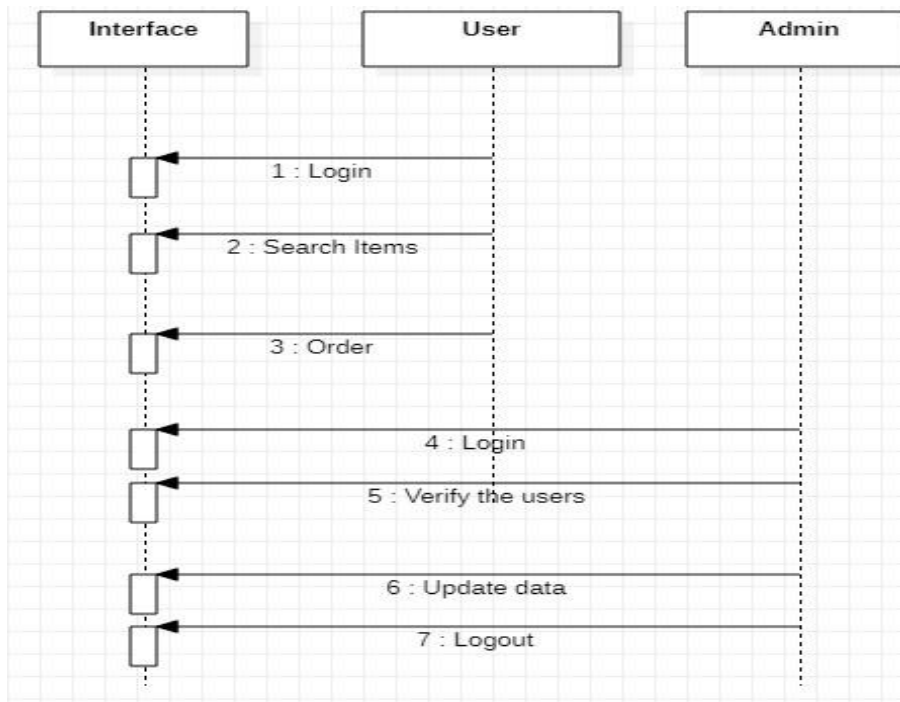
| ecom products |
|------------------------------|
| product_id : int(100) |
| product_cat : int(100) |
| product_brand : int(100) |
| product_title : varchar(255) |
| product_price : int(100) |
| product_desc : text |
| product_image : text |
| product_keywords : text |

| ecom user_info |
|---------------------------|
| user_id : int(10) |
| first_name : varchar(100) |
| last_name : varchar(100) |
| email : varchar(300) |
| password : varchar(300) |
| mobile : varchar(10) |
| address1 : varchar(300) |
| address2 : varchar(11) |

| ecom categories |
|-------------------|
| cat_id : int(100) |
| cat_title : text |

| ecom orders |
|------------------------|
| order_id : int(11) |
| user_id : int(11) |
| product_id : int(11) |
| qty : int(11) |
| trx_id : varchar(255) |
| p_status : varchar(20) |

| ecom cart |
|-----------------------|
| id : int(10) |
| p_id : int(10) |
| ip_add : varchar(250) |
| user_id : int(10) |
| qty : int(10) |



Profile of Problems

One must know what the problem is before it can be solved. The basis for ecommerce is to buy products online and save the timing.

A Ecommerce, who want to buy any product of their need, has to contact different Shoppers, before deciding upon a particular Product that best suit his needs, requirements and satisfaction. Moreover, most of the work involved in this development process has to be done manually which is very time consuming and cumbersome and also, it reduces the efficiency, accuracy.

To know the facts and understanding of the problem in detail, ***System Analysis*** is carried out. It is the process of studying the business processes and procedures, generally referred to as business systems, to see how they can operate and whether improvement is needed.

2.2 Structure of the project

❖ Before Login

- Login
- Register
- Forget Password
- Administrator Login
- About Us
- Contact Us

❖ After Administrator Login

- Edit Website Details
- Add Brands
- Add Category
- Add Items
- Delete Brands
- Delete Category
- Delete Items
- Manage User
 - See Users

- Users Shopping
- Add Users
- Delete Users
- Logout
- ❖ After User Login
 - My Profile
 - Edit Profile
 - Change Password ➤ Buy Products
 - Categories (Controlled by Admin. Which can be add it dynamically according to their needs)
 - My Cart
 - My Shopping's
 - Checkout
 - Logout

System Design

System design involves transformation of the user implementation model into software design.

The design specification of the proposed system consists of the following:

- Database scheme
- Structure charts
- Pseudo codes for the modules in structure charts

Implementation

This activity includes programming, testing and integration of modules into a progressively more complete system. Implementation is the process of collect all the required parts and assembles them into a major product.

Test Generation

This activity generates a set of test data, which can be used to test the new system before accepting it. In the test generation phase all the parts are come which are to be tested to ensure

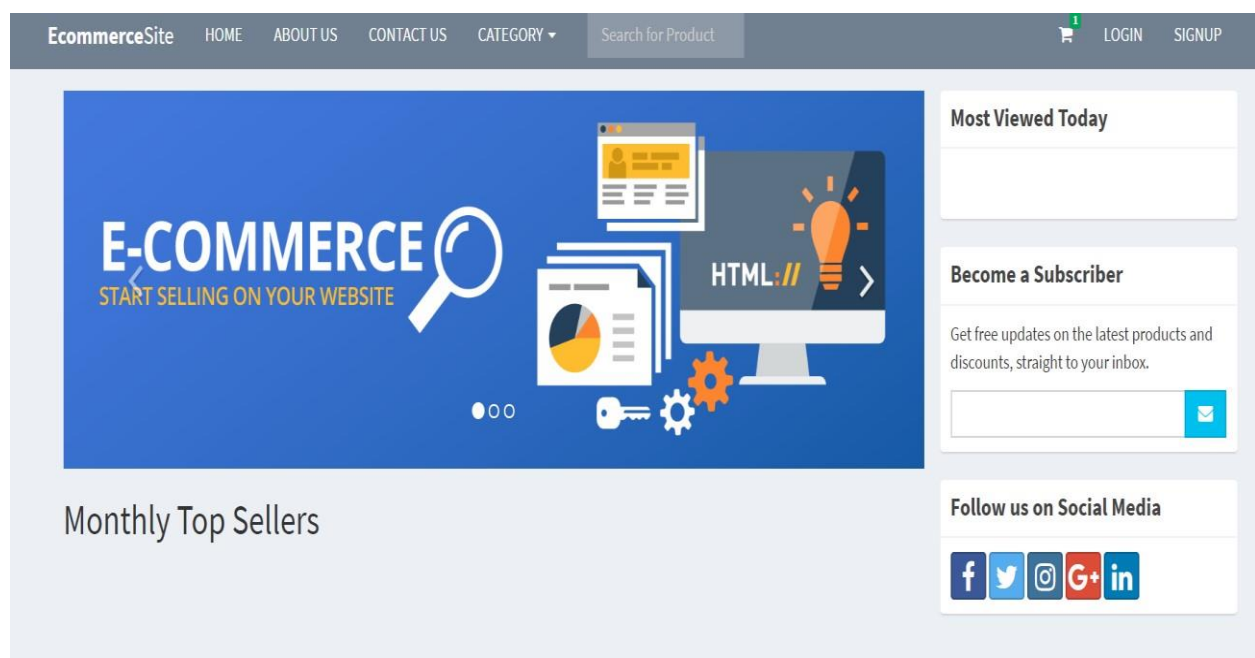
that system does not produce any error. If there are some errors then we remove them and further it goes for accepting.

Conclusion

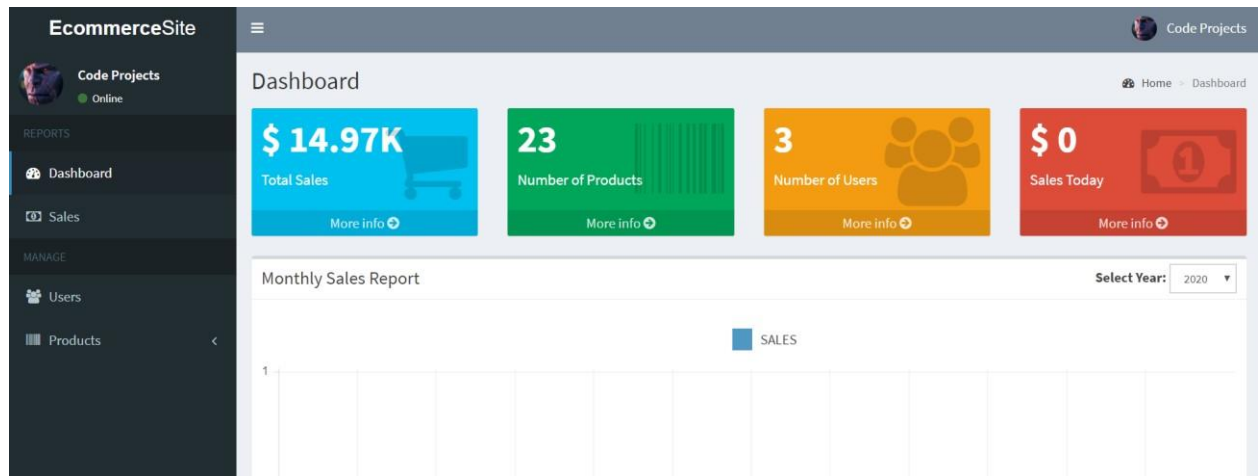
To conclude the description about the project : The project, developed using PHP and MySQL is based on the requirement specification of the user and the analysis of the existing system, with flexibility for future enhancement. The expanded functionality of today's software requires an appropriate approach towards software development. This ecommerce software is designed E-commerce site project is developed using PHP, CSS, Bootstrap, and JavaScript. Talking about the project, it has all the required essential features. This project has a user side where he/she can view product category and add products to cart and proceed for checkout whereas from administration side he/she can view sales, number of product, users, daily sales report, add product and categories. The user can also leave comments on each product if he/she wants. In this project, all the main functions are performed from the Admin side. User Friendly.

Screen Shot

Home Page



Admin Page



Product List

The screenshot shows the 'EcommerceSite' Product List page. The left sidebar is identical to the dashboard. The main content area is titled 'Product List' and includes a '+ New' button, a 'Category' dropdown set to 'ALL', and a 'Show 10 entries' filter. A search bar is also present. The product list is displayed in a table with columns for Name, Photo, Description, Price, Views Today, and Tools (Edit, Delete).

| Name | Photo | Description | Price | Views Today | Tools |
|--|-------|----------------------|-----------|-------------|---|
| ACER Aspire GX-781 Gaming PC | | View | \$ 749.99 | 0 | Edit Delete |
| AMAZON Fire 7 Tablet with Alexa (2017) - 8 GB, Black | | View | \$ 49.99 | 0 | Edit Delete |
| AMAZON Fire HD 8 Tablet with Alexa (2017) - 16 GB, Black | | View | \$ 79.99 | 0 | Edit Delete |
| AMAZON Fire HD 8 Tablet with Alexa (2017) - 32 GB, Black | | View | \$ 99.99 | 0 | Edit Delete |
| APPLE 10.5" iPad Pro - 64 GB, Space Grey (2017) | | View | \$ 619.00 | 0 | Edit Delete |
| APPLE 9.7" iPad - 32 GB, Gold | | View | \$ 339.00 | 0 | Edit Delete |