

APCA Store – A Gym Based ECommerce Website

CATEGORY: Web Application

PURPOSE

Due to the recent pandemic situation, it would be safe for customers and sellers to buy and sell the products in a hands-free manner and protect themselves from covid. The purpose of developing this “APCA Store” is to ease the process of buying gym equipment for gym fitness freaks and work their body from home even when they can’t reach the physical gym.

SCOPE

The scope of this website is over a Region. We aim to provide quality equipment for people living in rural areas too. Expanding the segment's target market to a larger audience from fitness enthusiasts to additional consumers looking to improve their overall health.

INTRODUCTION

Giving the introduction about the Existing system and proposed system.

EXISTING SYSTEM

The existing system is a manual system. In this system, it needs a lot of writing. It is insecure to store key information or prime information in the form of manuals.

Some of the disadvantages of a manual system are

- People buy their requirements in a traditional fashion by going to nearby stores.
- Traveling to stores becomes quite tough for people living in high traffic areas.
- Making note of the availability of the equipment is a tedious process.
- It's really a time-consuming process when there are many buyers for an offline store and waiting in a queue for a long time may give customers a bad experience.
- In this existing system, stores are open for a limited time.
- It's a limited system and not many customers can access a particular item at a time.
- Bulk buying and travel are hectic tasks for the buyer.
- Customers can't be updated with new equipment as it is hard to visit the store daily.

PROPOSED SYSTEM

The proposed system is an automated system. This online website gives the customers a better experience than physical stores.

The benefits of this proposed system are

- The Customer can select the products in a convenient way through the user-friendly interface.
- The availability of any product can be checked within a minute.
- Customers can buy the equipment at any time.
- Customers can get their requirements in no-queue mode.
- Buying a bulk amount of equipment has become easy with delivery services.
- Many customers can access a particular item at the same time.
- Now it is simple for customers to get updated by going through the online store.

ADVANTAGES FOR CUSTOMERS :

Advantages for the customers are explained below

- **Remove Travelling:** This online store removes the need of travelling to a physical store to buy gym equipment. Now people far from cities can also buy quality equipment.
- **Time and Energy Efficient:** Customers using online stores get an advantage by saving time and energy compared to those customers who go to physical stores.
- **User-Friendly Interface:** This store is created in such a way that even someone new to online shopping can get a smooth experience.
- **Check the product:** Buyers can directly search or filter the specific product and buy them with ease, unlike traditional offline stores.

ADVANTAGES FOR STORE OWNERS:

Advantages for the store owners are explained below

- **Independent of Location:** The store owner is not required to work from the physical store or office to manage the equipment which can be done from anywhere they have access to a mobile or computer with an internet connection.
- **Increase in Sales:** Can gain a greater number of customers and sales due to flexibility which increases the profits. This also helps the store owner to expand his business.

- **Cost-Friendly:** No need to spend a lot of money on buying/renting land in a high-demand area which makes this process less expensive.

FUNCTIONAL REQUIREMENTS

- Customers must have a valid username and password.
- Store members can only log in as Admin.
- Customers can add products to the cart and buy them later on.
- Filters are made available for customers to make their shopping efficient and easy.
- A unique order id is provided when a customer places an order.
- Store members can manage equipment details in-store.
- A search option is provided to the customer to directly check the specified product.

NON-FUNCTIONAL REQUIREMENTS

- Maximum time availability.
- Secure access to confidential data such as user's data.
- Reliability, Flexibility, and Robustness of the system are maintained.
- Simple yet better component design to make the system user-friendly for someone new to online shopping.

SOFTWARE TOOLS

Front End: HTML, CSS, Java Script

Back End: PHP , XAMPP , Apache

Database: MySQL

Development Tools: VS Code

Programming Language: Java Script

Client: Any web browser

DEPLOYMENT

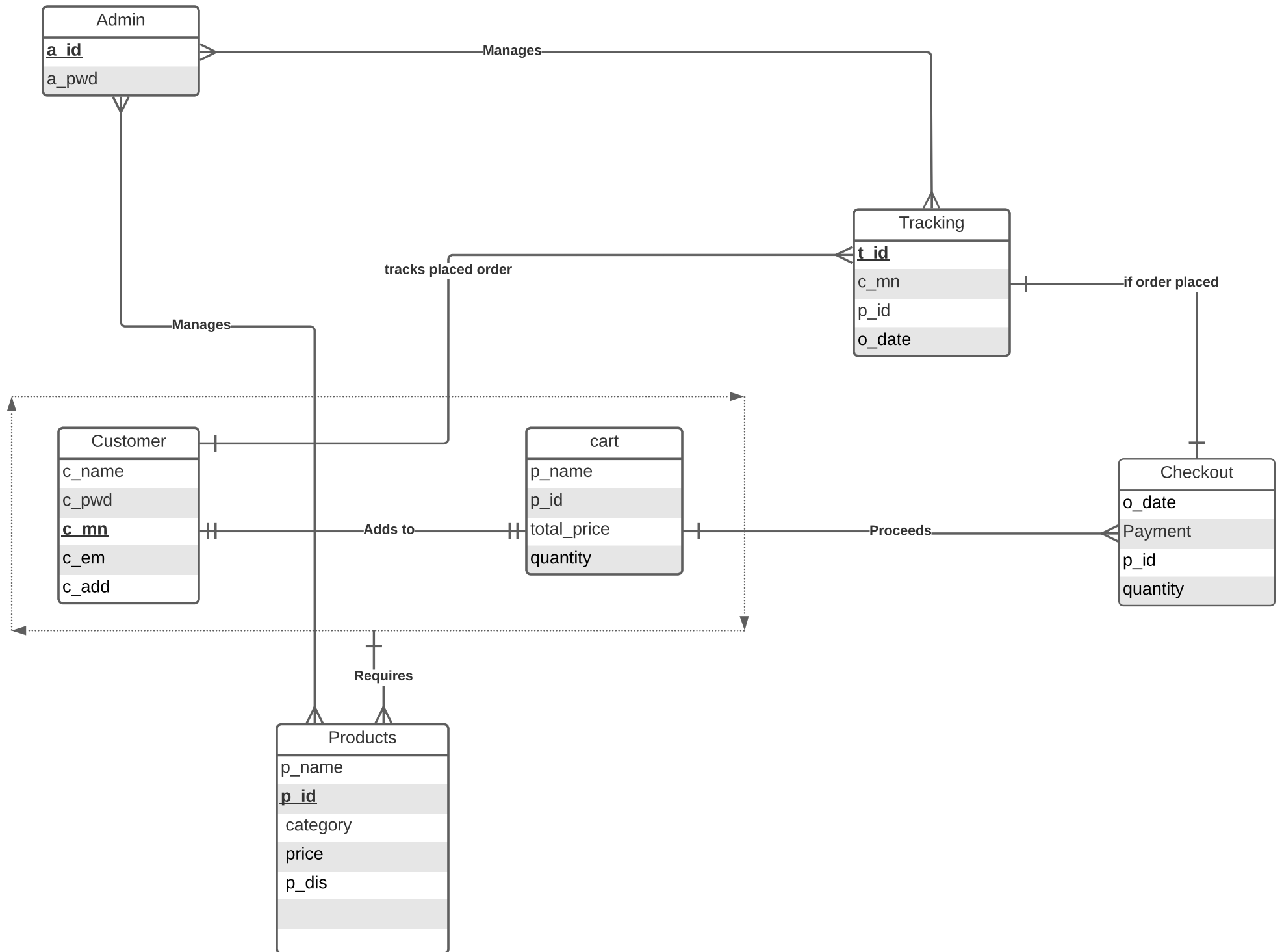
Operating System: Windows

HARDWARE SPECIFICATION

Processor: Intel Core i3 or above

RAM: 4GB

Hard Disk: 250 GB HDD



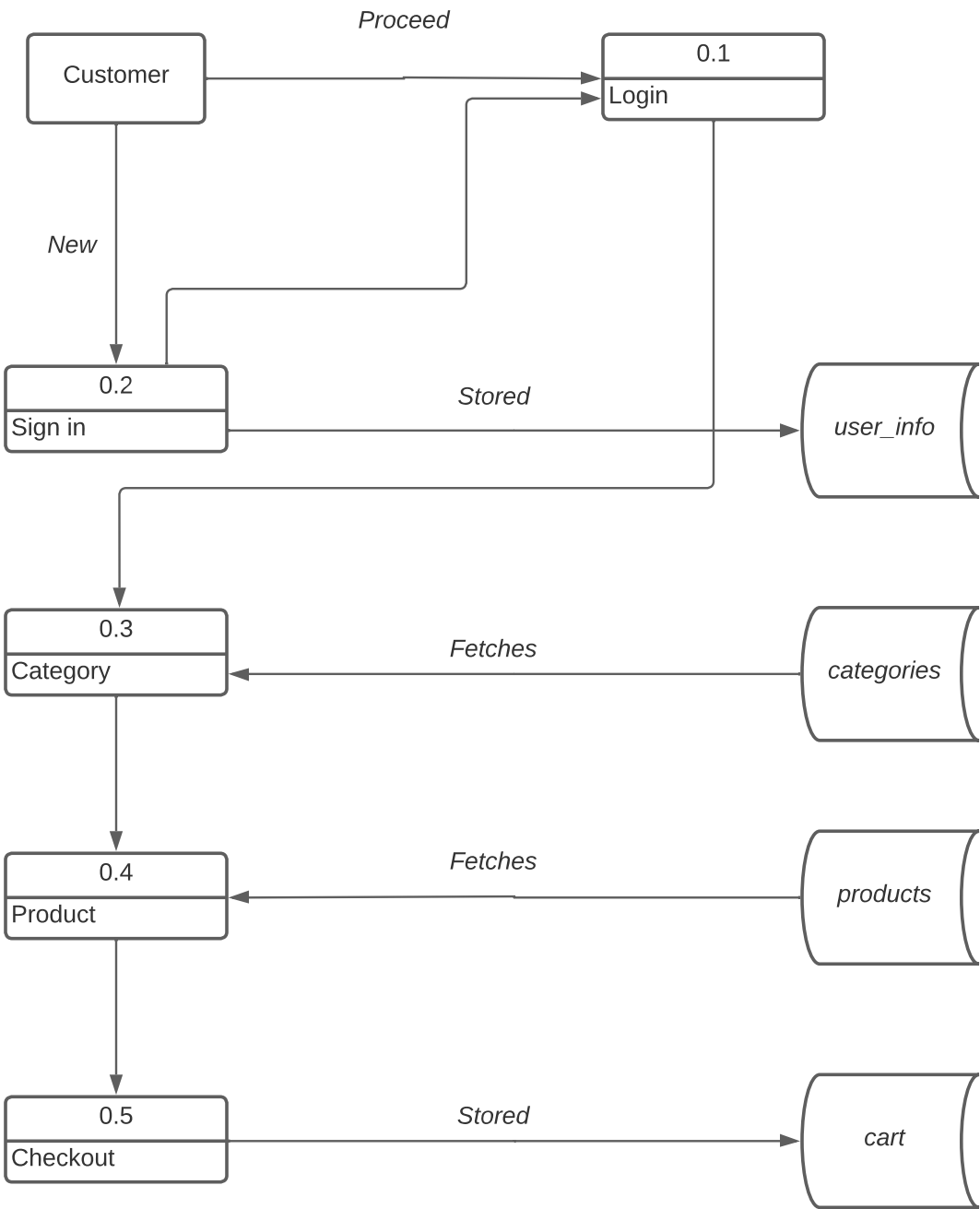
LEVEL - 0

(context diagram)



LEVEL - 1

(DFD FOR CUSTOMER)



LEVEL - 1

(DFD FOR ADMIN)

