



## **DOCUMENTATION FOR FINAL PROJECT**

### **Dynamic Business Website**

*In Partial Fulfillment of  
the Requirement for  
the Course of IT135-8L [Web Systems and Technologies 2 Laboratory]*

Submitted to:

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## **I. Introduction**

### Purpose

The main objective of this project is to assess the group member's learnings acquired during the academic term. Additionally, this project aims to expand the members' capacity to apply the different languages used in web design, guided by the following points:

- To be able to utilize and challenge the skill set possessed by the group members and to improve it further;
- To be able to create a user-friendly and responsive website;
- And to be able to integrate all essential functions learned in the course syllabus and activities.

### Background of the Website

The project is an e-commerce website where the administrator would be able to manage their products and their details for their users. In this website, the user can specify what product they wish to put in their wishlist or cart and its quantity. This project came to be in response to MSP Athletic Gear's desire to strengthen their own branding image and wanting to be more competitive. It was acknowledged that if they wished to grow their business, MSP Athletic Gear would have to go beyond doing business from within their Facebook page and have their own website for them to have more free reign on how they market their products and do business with more clientele.

### Products and Services Offered

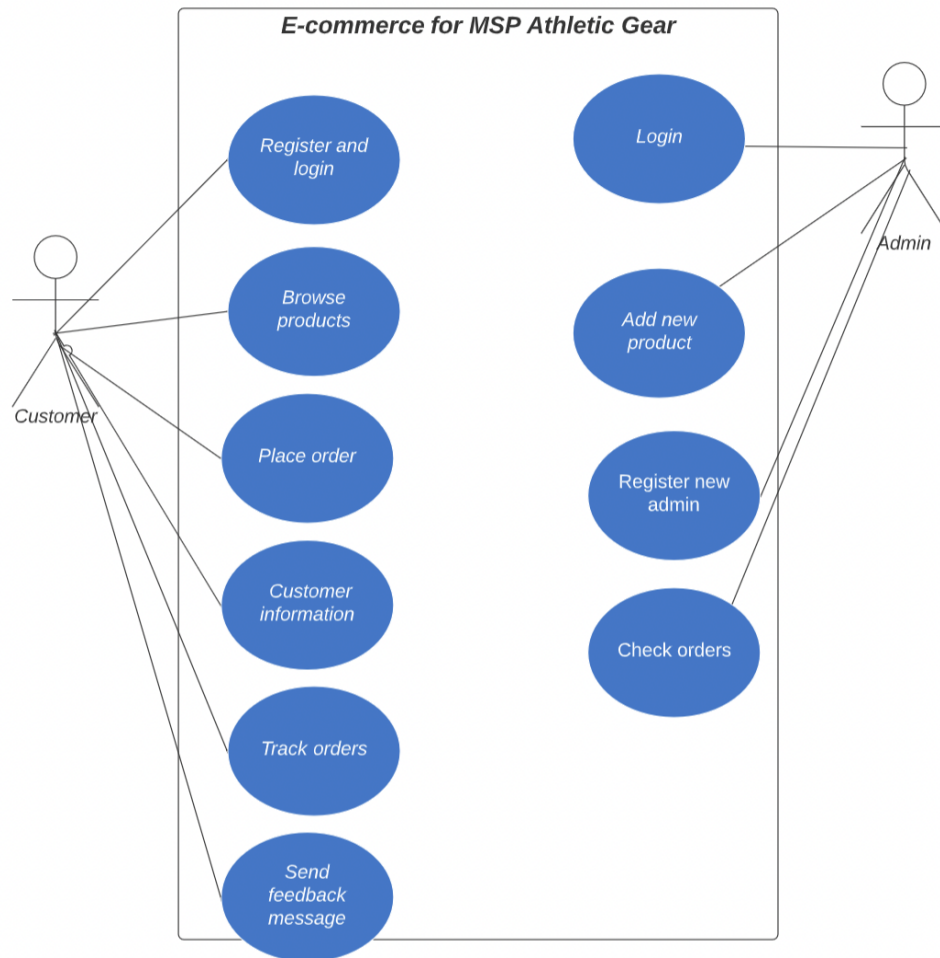
The MSP Athletic Gear project website offers a wide selection of sports apparel ranging from jerseys, masks, safety gear, and custom ordered products. It also offers other apparel such as hoodies, shirts, and masks. The website presents its products organized in categories for the user's ease of perusal. The services in the website include being able to contact and email the MSP admins, displaying the background of MSP Athletic Gear, consulting the FAQs board, and registering & logging in to be able to order.

## **II. Website Link**

Website Link: <https://withered-tree-96533.pktriot.net/MSP%20Athletic%20Gear/>

### III. Project Features

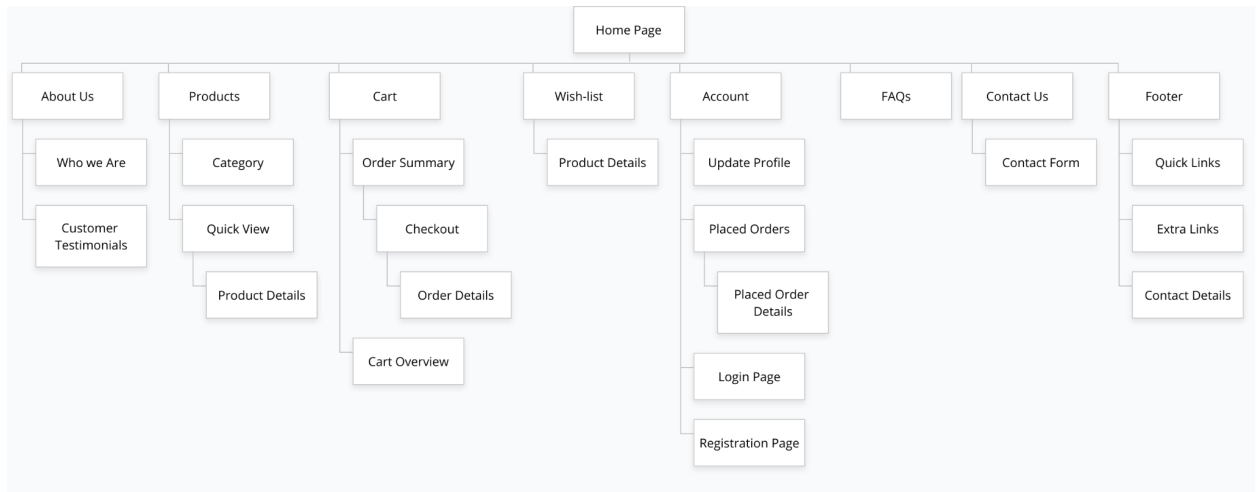
#### UML Use Case Diagram



This is the use case diagram which is a visual representation of the relationship system of the E-commerce website for MSP Athletic Gears and the users. One can see the essential attributes associated with both Administrator and Customers/Users. It features two actors, namely the Customer and Admin which are linked to their specific use cases. The Customer user can interact with the system functions which are limited to Register and login, Browse products, Place order, Customer information, Track orders, and Send feedback message. The Admin user can interact with the system functions which are limited to Login, Add new product, Register new admin, Check orders.

## Sitemap

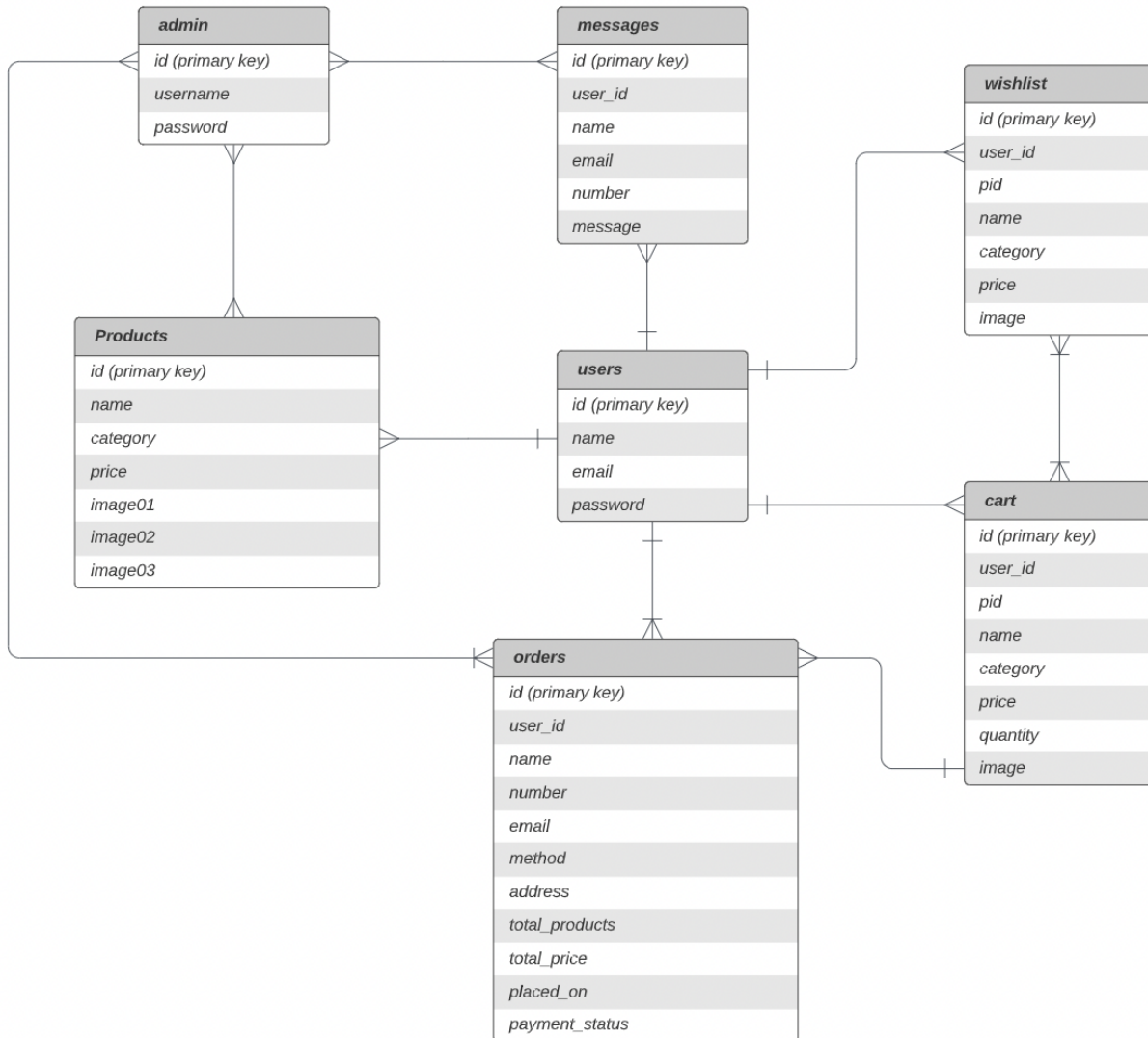
Full Sitemap Link: <https://www.gloomaps.com/sqrxqmZdtG>



The sitemap serves as a centralized planning tool that will help organize and clarify the major content sections/pages of the website. It also gives the client and the web designers and developers a better understanding of the width and depth of the site. In the group's website, it features an about us page, a products page, a FAQs page, and a contact us page. The footer section is featured in all pages to display all the links and contact details of the organization. The homepage features the product categories and a list of the latest added products wherein the user can wishlist, add them to the cart, or simply check a quick view of the item for a description and more photos. Both the wish-list and cart contain the details of the products chosen and an option to change the quantity, only the wishlist page has an option to add it to the cart. The cart page takes the user to the checkout when desired and can check their order or checkout details on their account once placed.

## IV. Database Structure

### Entity Relationship Diagram



MySQL is used to save the data for this project. MySQL is an open-source relational database management system and the group has chosen it as part of the project requirements. The database has eight tables named admin, products, messages, users, orders, wishlist, and cart. Each table in the database has a primary key to uniquely identify a row on the table in order to form a relationship with another table. The admin table stores all of the admins' information which includes their username and password. The products table stores all of the product details such as its name, category, price, and display images. The admin can add, update, and delete products and therefore has a relationship with the products table. The order table stores all of the order details placed by the user which include the user's details such as their id, name, number,

email, payment method, address, total products, total price, placement date, and payment status. The admin can view this order table and change the payment status to completed or pending. The messages table stores the data sent by the user through the contact us page which contains their id, name, email, number, and the message itself. The admin can view this message and the user details on their dashboard. The users table stores the name, e-mail, and password when registered and to be used for user related features such as profile updating. The wishlist and cart table store similar stuff such as the user's id and the product's id, name, price and display images with quantity being the difference. To summarize, users can access multiple product information that the admin/s have added. Once the users added a product to their wishlist or cart, the product information will be transferred to either location. After filling up their customer information and confirming their order, they can check the details of their order containing their information which can also be accessed by the admin in order to proceed with their order. Users can send a message to the admin which contains their name, email, contact number, and the content of their message.