

## **CSE-5335-002 : WEB DATA MANAGEMENT**

### **Fall 2022's Project Report**

#### **Mercado Escolar' Site**

The goal of this project is to develop an intuitive marketplace website that will be used to manage products, blogs, posts, and interactions between users.

The website will have four main components and some inventive augmentations.

1. Role of Super Admin  
Super Admin can control the whole site, posts, students, business owners, and school admins in addition to having all the access that a student and school admin have.
2. Role of School Admin.  
The school admin has access as same to the students , but they can also keep tabs on students and their postings, clubs, and even business owners.
3. Role of Business Owner.  
A business owner will have similar access as a student, but he or she may also manage orders and add advertisements to the product page.
4. Role of Student.  
Using the marketplace site, a student can publish a product for sale or purchase. In order to meet new users with comparable tastes and check their profiles for sales, users may also join clubs or start new clubs or vice versa, something that interests the other. In order to increase the marketplace's sense of interactivity, they may also speak with customers.
5. Inventive Augmentations:
  - The website will be responsive, which means that some of the components will be adjusted so that they display properly and don't ruin the user interface on any other devices, such as mobile phones or tablets.
  - Dashboard: The super admin and school admins can view the reports and insights on the dashboard, which is accessible from the welcome page.
  - Both the "admin" role and the "user" role will have access to the action.
  - Some concerns were addressed by the application.

Some goals of the projects are:-

- Users may promote their products, as well as buy or sell from, other users.
- Enables users the option to interact with other users in order to facilitate and assist the more authentic interactions in the marketplace
- Design a website with a trustworthy database and effective operations.
- Use a high-quality UI for the website to make it appear appealing and user-friendly.

## Entity Relationship Diagram and Schema Details

The database for our project will have 11 entities. The entities and its descriptions are as follows :

1. Super Admin
2. School Admin
3. Business Owners
4. Students
5. Orders
6. Posts
7. Clubs
8. Products
9. Adverstiments
10. Business Page
11. Contact Us

Super Admin entity will contain all the records of the users that are a part of the system. They will consist of students and school staff and details about them. It contains attributes like Name, email, student\_id, passwords, and their role.

School Admin entity will contain all the records of the Students and Business Owners that are a part of the system. They will manage of clubs and marketplace details. It contains attributes like schooladmin\_id, email, student\_id, passwords, and their role.

Business Owners entity will contain the details business page and products. It will have the option to advertise and manage orders. This will contain business\_id, name, address, email and a role of the business.

Orders will be an entity that will store and organize all the orders that have been placed and returned. It will contain records that have an order\_id, status, date, student\_id, business\_id. Here, student\_id and business\_id will be foreign keys.

Posts are those entities that contain an advertisement for a product from a user, or a business owner. The post record will contain post\_id, date. It will also contain the student\_id as a foriegn key.

Club is an entity of a group of people / users of likeminded opinions and can be used by users to meet and talk to new people, and can be used to see other users' posts and products. This entity contains club\_id, club\_name, contact\_no, and it will use student\_id as foriegn key.

Product is an entity that undergoes transactions in this system for buying and selling. These products have descriptors like product\_id, product\_name. It will also have student\_id, business\_id as a foreign key.

Advertisements entity will have ad\_id and ad\_date as an attributes. It will also have business\_id as a foreign key.

Business Page entity contains various description about the different business in the market and will be manage by Business Owners. It has businesspage\_id, and date as an attributes. Here business\_id is used a foreign key.

Contact Us entity is not independent of the main entities. It has a unique\_id, comment, contact\_no, name and email as an attributes.

Relationships between entities can be described as follows :

- Students can buy 1 to N products
- Business Owners can sell 1 to N products
- Students can sell 1 to N products
- Students can post 1 to N posts
- Business Owners can promote 1 to N advertisements
- Students can add 1 to N products

Technologies:

- HTML5
- CSS
- JavaScript
- React
- PHP

Platforms:

- XAMPP

Framework:

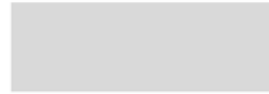
- LARAVEL (PHP Web Framework)

Prototype:

Frame 1

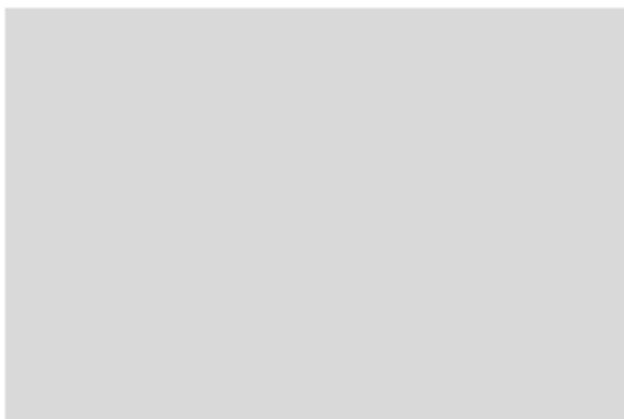
[Home](#) [About](#) [Services](#) [Contact](#) [Login/Register](#)

Welcome to Market Place



Frame 1

[Home](#) [About](#) [Services](#) [Contact](#) [Login/Register](#)



## About

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Frame 1

[Home](#) [About](#) [Services](#) [Contact](#) [Login/Register](#)

## Features and Services



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Frame 1

[Home](#) [About](#) [Services](#) [Contact](#) [Login/Register](#)

## Contact Us

First Name

Last Name

Email

Message

## Sign in

Email :

Password :

## Register

Name :

Email :

Password:

Confirm  
Password: