

# CSE – 5335 – 005 : Web Data Management

## Project Report

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## Project Understanding

The assigned project is to create a web application designed to help students manage various aspects of their student lives with the click of a button. The main idea behind it is to help students connect with their fellow students and join various clubs that cater to the various interests of the students outside of studies. This also gives an opportunity to business owners to promote and sell their products be it books or school supplies through the help of marketplace which connects the students directly to the business owners. All the students and business owners are managed by School Admins and all the schools and school admins are managed by Super Admins.

Each of these different roles have their own logins and different services and features available to them. The web application also has other useful features like chat options that enables the students and business owners to communicate with each other regarding the products they are selling and it also has the feature of reports and insights that enables the School Admins and Super Admins to study the different parameters and statistics to gain insights on how to improve the students experience or help the students get the right resources or right products that would be help the students excel in school.

## Web Pages

**Home Page:** This is the first page any user will see when they open the website. It's a basic home page that will just give a basic understanding of the web application to the users.

**Login Page:** This page allows the user to login to their account and access the features and pages specific to their role.

**Services Page:** This displays the various services provided by the web application to its various users.

**About Page:** This gives a brief introduction and description about what the website is about and its purpose.

**Role Specific Pages:** This consists of various pages that are specific to the different types of users, for example a student user would have access to pages like student profile, cart, buy products etc.

**Contact Page:** This page allows users to contact the company regarding any queries they might have regarding the usage of the application.

## Roles

**Super Admin:** Is responsible for managing the site, the school admins, and the students.

**School Admin:** Is responsible for managing the students, business owners, clubs, and marketplace.

**Business Owner:** Is responsible for managing the business page, advertisements, products, and orders.

**Student:** Is responsible for creating and joining clubs, creating posts, buying products from marketplace and manage their orders and profile.

## Database Tables

The given Entity-Relationship Diagram helps us understand the various tables required and the relationship between them.

**Users:** consists of all the details for users like their user id, email, address, and date of birth. And all users are managed by the super admin.

**Login:** consists of the user's login details.

**Register:** consists of user registration details.

**Student:** consist of details for the students like student id and is managed by the school admin. The student manages their cart, posts, and clubs.

**Business Owners:** consists of all the details for business owners and they manage their products.

School Admin: consists of all details for school admins who manage all the students at a particular school. Also have access to clubs and posts.

Super Admin: consists of all the details for super admins who manage all the schools and all the users.

Advertisement: consists of the advertisement details and is managed by the business owners.

Post: consists of details regarding the post content and type.

Cart: consists of the items in the student's cart and the total amount.

Clubs: consists of the different types of clubs available to the students.

Products: consists of the different products available for purchase and their details like category and price.

## Technologies

HTML: to design the web to be displayed in the web browser.

CSS: used to describe how the HTML elements should be displayed.

PHP: is a server-side scripting language.

XAMPP: allows you to build WordPress site offline, on a local web server on your computer.

JavaScript: used to create dynamic and interactive web content.

Laravel: used to implement MVC framework.

Node JS: is used for non-blocking, event driven servers.

React: used to create fast user interfaces for websites.

# LOGIN/ REGISTER PAGE

Mercado Escolar

Home      About      Product      Cart      Services      Contact      Login/ Register

Sign -up      Register

Email  First Name  Last Name

Password  Email

User Name  Password  Confirm

**Login**      **Register**

# Student page

Mercado Escolar

Home      About      Product      Cart      Services      Contact      Login/ Register

Profile



**Name**

**email**

**contact info**

**Clubs** 

**Posts**

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# Admin Page

Mercado Escolar

Home    About    Product    Cart    Services    Contact    Login/  
Register

Admin



Student info

Statistics

Name

email

contact info

Role

Edit/Delete users

## About Us

Mercado Escolar

Home    About    Product    Cart    Services    Contact    Login/  
Register

About Us



**MARKETPLACE**



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# Product

Mercado Escolar

Home About Product Cart Services Contact Login/  
Register

## Product

products

Item 1 \$10

Item 2 \$20

Item 3 \$25

Total Amount \$55

Edit order

Checkout

continue to shopping

Cancel order

# Cart

Mercado Escolar

Home About Product Cart Services Contact Login/  
Register

## Manage your cart

Item 1 \$10

Item 2 \$20

Item 3 \$25

Total Amount \$55

Edit order

Checkout

continue to shopping

Cancel order

# Services

Mercado Escolar

Home    About    Product    Cart    Services    Contact    Login/  
Register

## Services



Name

email

contact info

Clubs

Posts

**clubs**



**Posts**



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# Contact

Mercado Escolar

Home    About    Product    Cart    Services    Contact    Login/  
Register

Contact us  
385 x 92

First Name

Last Name

Email

Submit

Description



Your Queries Please!!!