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INTRODUCTION:

The project "MAV STUDENT MARKETPLACE" is a portal for students and business owners to buy and sell products online, manage businesses.

UNDERSTANDING OF PROJECT:

All students can buy or sell products in the marketplace. Additionally, students can join or leave any club, create and view any post. This portal provides the functionality to ask queries from anyone without logging in, which will be handled by super admin. Each User must register as a student or business owner and the school's admin role will be created by super admin. Each user is unique in context of mail id and user id.

Students:

Students have their profile where they can make changes to their name, address, etc.
Each student can post content on a website which will be moderated by the school's admins also they can join a club and leave. Every student has access to other student's profile (posts, club joined, name, address, etc.). Also, students can view shops and advertisements posted by business owners and buy products. Students can chat with business owners about the latest products or offerings.

Business owner:

BO will have their own page to manage business like add/remove product, discounts, etc. They can also promote and advertise their product to students. Chat feature is provided between BO and students.

School admins:

School admins will have access to the students' data, and they can manage business owners. SA can moderate posts and club contents. SA can generate report basis on data.

Super admins:

Super admins have all the functionality that school admins have, also they can manage schools. Super admin can manage all the users and generate reports based on data. They can view queries. Basically, super admins manage all other roles and activities. Super admins basically handled overall portal.

Home page:

Each user has their own page with their own functionality e.g., school admin will have list of student's profile with posts, clubs they joined.

Service Page:

It's a static page which shows some services provided in the marketplace.

Chat Feature:

Chat option is provided between business owners and students.

Contact Us:

"Contact us" is provided in homepage to ask queries, these queries will be handled by Super admin.

Username and Passwords:

usernames are email id provided by users and passwords are encrypted.

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HIGH LEVEL OVERVIEW:

User will register as a student or business owner and based on that they can access different pages under that profile.

Students can buy products which are sold by business owners as well as other students.

School admins manage students and moderate the posts and club contents.

Along with that student can view or create posts, interact with clubs.

Business owners can have their shops where they can sell products.

Business owners can advertise their products on student's profile.

Super admin is managing all the other users, it means SA can add/remove/edit other profile's data.

DATABASE:

- USER signup for an ACCOUNT as a business owner or student.
Table Name:
USER:
  Attributes: First_name, Last_name, email, address, user_id
  Primary_key: user_id

- User table disjoints to STUDENT and BUSINESS OWNER
So basically, they inherited the attributes of table user
Table Name:
STUDENT:
  Attributes: Attributes of USER, student_id, major
BUSINESS OWNER:
  Attributes: Attributes of USER, business_owner_id, business_category

- SCHOOL ADMIN and SUPER ADMIN have Admin Page which have unique id to identify between super admin and school admin.
Table Name:
ADMIN PAGE:
  Attribute: admin_page_id

- BUSINESS OWNER and STUDENT can buy and sell products in marketplace
Table Name:
PRODUCT:
  Attribute: product_id, product_name, product_price, product_description
SHOP:
  Attribute: shop_id, shop_location, shop_category

- STUDENT can join the CLUB
Table Name:
CLUB:
  Attribute: club_id, club_category

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Technologies Used:

- HTML
- CSS
- PHP
- Java Script
- Node JS
- Larvel