System Overview
ClassCart is a student-to-student marketplace system in MMCM that allows authenticated users to buy, sell, and reserve new or second-hand items within the school community. Unlike public e-commerce platforms, ClassCart uses meet-up based transactions instead of deliveries, requiring buyers and sellers to confirm in person before a sale is finalized.

The platform includes these features:
- Registration and Login
- Listing
- Chat + Buy now reservation system
- Meet-up confirmation workflow
- Purchase History and Sales History
- User Profile management
- Payment Methods

Users cannot buy or post items unless logged in, ensuring safe verified campus transactions.

System Objectives
- Provide a safer buy-and-sell alternative inside the campus
- Prevents scams via meet-up confirmation system
- Allows students to manage listings and payments easily
- Create records of purchases and sales
- Maintain authenticated users and prevent duplicate accounts

System Flow Summary
Registration / Login
- Users must register using valid student information (school email, student ID, etc.). Once logged in, session-based access is enabled.

Listing / Browsing
- Listings show item price, condition, image, location, and seller.

Buy Now and Chat
- Clicking buy now does not auto pay, instead it creates and order marked "pending" and prompts messaging.
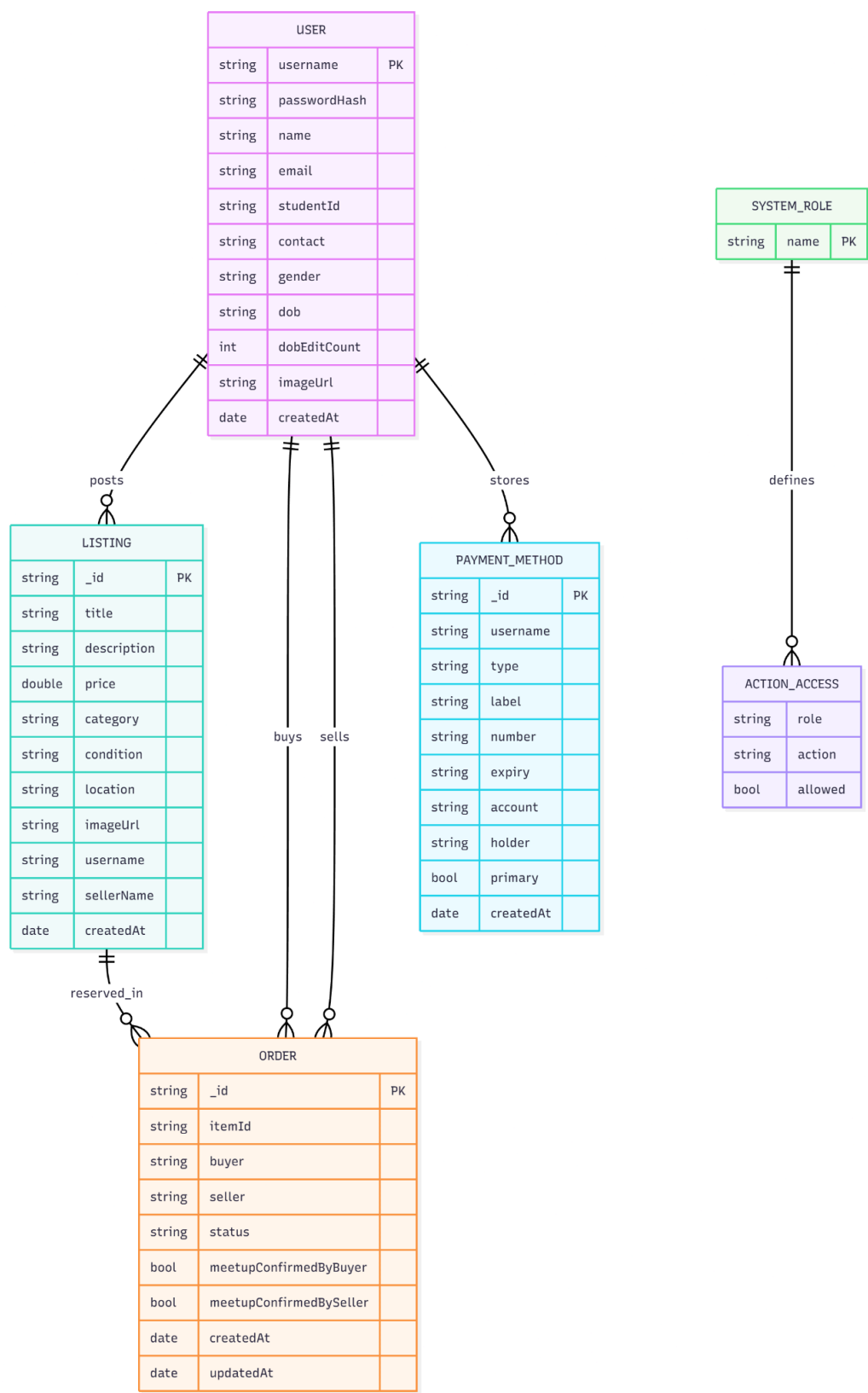
Meet-Up Confirmation
- Order only becomes completed when both buyer and seller click "Received item" and "Item Delivered".

History
- Completed transactions appear in Purchase History and View Sales.

Entity-Relationship Diagram

USER

string	username	PK
string	passwordHash	
string	name	
string	email	
string	studentId	
string	contact	
string	gender	
string	dob	
int	dobEditCount	
string	imageUrl	
date	createdAt	

SYSTEM_ROLE

string	name	PK

LISTING

string	_id	PK
string	title	
string	description	
double	price	
string	category	
string	condition	
string	location	
string	imageUrl	
string	username	
string	sellerName	
date	createdAt	

PAYMENT_METHOD

string	_id	PK
string	username	
string	type	
string	label	
string	number	
string	expiry	
string	account	
string	holder	
bool	primary	
date	createdAt	

ACTION_ACCESS

string	role
string	action
bool	allowed

ORDER

string	_id	PK
string	itemId	
string	buyer	
string	seller	
string	status	
bool	meetupConfirmedByBuyer	
bool	meetupConfirmedBySeller	
date	createdAt	
date	updatedAt	

Relationships:
- USER posts LISTING
- USER buys ORDER
- USER sells ORDER
- USER stores PAYMENT_METHOD
- LISTING reserved_in ORDER
- SYSTEM_ROLE defines ACTION_ACCESS

CURRICULUM VITAE

PERSONAL INFORMATION

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EDUCATIONAL BACKGROUND

College: Mapua Malayan Colleges of Mindanao, A Mapúa School (2023 - Present)
Senior High School: Ateneo de Davao University (2021-2022)
Junior High School: Maryknoll School of Lupon Inc. (2017-2021)
Elementary: Maryknoll School of Lupon Inc. (2010-2016)

PERSONAL INFORMATION

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