

IC3 - CRC + Class + Object Models

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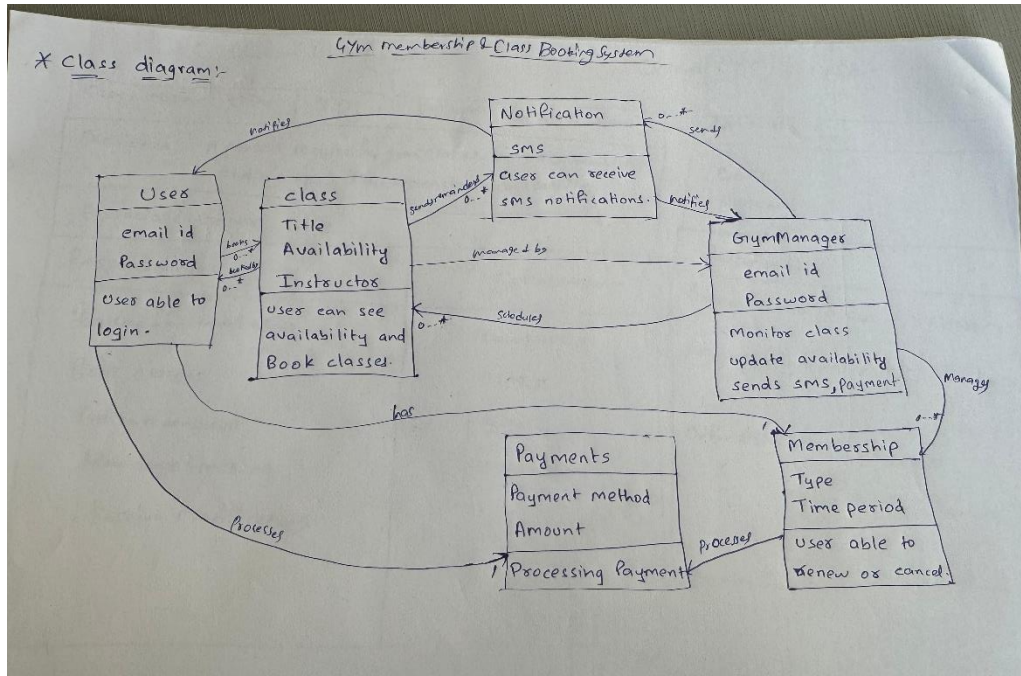
CRC Card – USER

CRC Card – User (front)		CRC Card (Back) – User
Class Name: User ID: 1 Type: Concrete, Domain		Attributes:
Description: A person registers for gym classes, enrolls for membership and manages their attendance and profile.		Email Password
Associate Use cases 1, 2, 3		Relationships
Responsibilities	Collaborators	Generalization (a-kind of): Person
Register for membership	Membership	Aggregation (has-part): Membership
Book classes	Class	Other Associations: Payment
Profile management	Payment	Notification
Attendance Tracking	Notification	
Receive notifications		

CRC Card – Gym Manager

Frontside CRC card (Gym manager)		Back side CRC card (Gym manager)
Class Name:- Gym Manager	ID: 2	Type: Concrete, Domain
Description: A manager responsible for creating & manage classes, memberships and handle gym operations		Attributes:
Associated Use case:		email
		password
Responsibilities	Collaborators	Relationships
Create and schedule classes	Class	Generalization (a-kind-of): Person
Monitor class attendance	User	Aggregation (has-parts): Class
Manage gym memberships	Membership	Membership
Process payments	Payment	Other Associations: User
Sending sms	Notification	Payment
		Notification

Class Diagram:



Object Diagram:

