

Nirma Vending Assistance And Sublet (NIRVAAS)

Course Code - 2CS504 Software Engineering

Group Name - G5

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CRC INDEX CARDS

(1) CRC Index Card for User

Class Name: User	
Class Type: Role	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Subclasses: Student, Stationery_Staff, System_Administrator	
Responsibilities:	Collaborators:
Registration()	Order
Login()	
Edit_personal_details()	
Validate_login_details()	
Validate_registration_details()	
Store_in_database()	
Logout()	

(2) CRC Index Card for Student

Class Name: Student	
Class Type: Role	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Superclass: User	
Responsibilities:	Collaborators:
Sell_an_item()	Bidding Chat_Box Renting Item
Buy_an_item()	
Make_a_bid()	
Rent_an_item()	
View_history()	
Chat()	

(3) CRC Index Card for Stationery Staff

Class Name: Stationery Staff	
Class Type: Role	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Super Class: User	
Responsibilities:	Collaborators:
Sell_item()	Item
View_history()	
Check_stock()	

(4) CRC Index Card for System Administrator

Class Name: System Administrator	
Class Type: Role	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Super class: User	
Responsibilities:	Collaborators:
Delete_an_account()	Student Stationary_staff Item
View_details_of an_account()	

(5) CRC Index Card for Chat Box

Class Name: Chat Box	
Class Type: Property class	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Responsibilities:	Collaborators:
Add_new_member()	Student Item
Display_member_names()	
View_media()	
Chat_history()	
Send_message()	
Exit()	

(6) CRC Index Card for Renting

Class Name: Renting	
Class Type: Property class	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Responsibilities:	Collaborators:
Due_date_check()	Student Item Payment Stationary Staff
Due_date()	
Charge_calculator()	
Fetch_item_id()	
Fetch_renting_id()	
Return_checker()	
Pay()	
Availability_check()	

(7) CRC Index Card for Bidding

Class Name: Bidding	
Class Type: Property class	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Responsibilities:	Collaborators:
Make_a_bid()	Student Item Chat box Payment
Edit_existing_bid()	
Check_bid_lastdate()	
Close_bid()	

(8) CRC Index Card for Order

Class Name: Order	
Class Type: Property class	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Responsibilities:	Collaborators:
Add_to_cart()	Payment Item
Total_amount_calculator()	
pay()	

(9) CRC Index Card for Payment

Class Name: Payment	
Class Type: Property class	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Responsibilities:	Collaborators:
Invoice_generation()	Student Item
Fetch_item_id()	
Total_amount_calculator()	
Direct_to_payment_gateway()	
Choice_of_payment()	

(10) CRC Index Card for Item

Class Name: Item	
Class Type: Entity class	
Class Characteristics: Non tangible, atomic, sequential, permanent, guarded	
Responsibilities:	Collaborators:
Item_add()	-
Item_remove()	
Item_update()	

Class Diagram

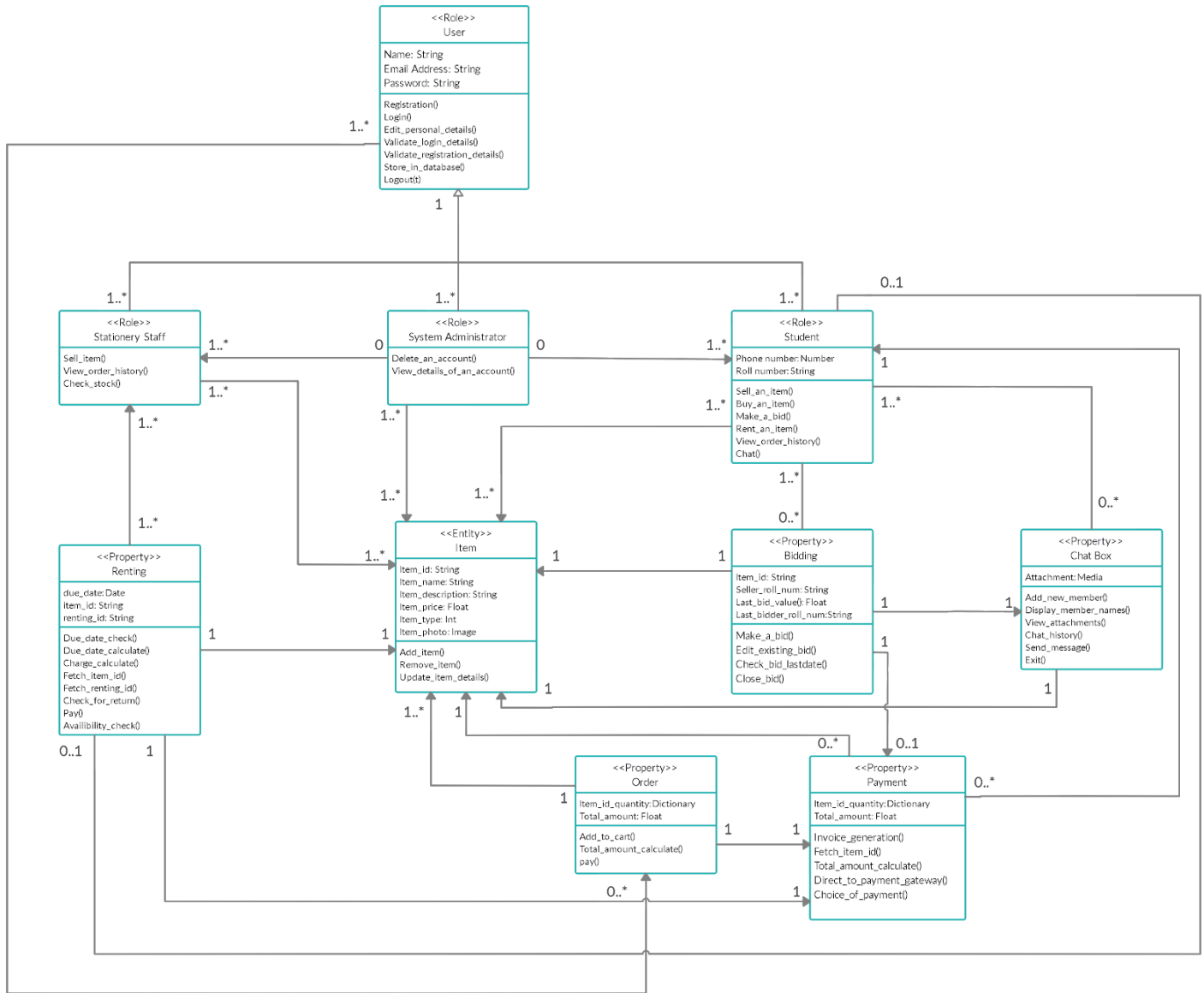


Fig. Class Diagram