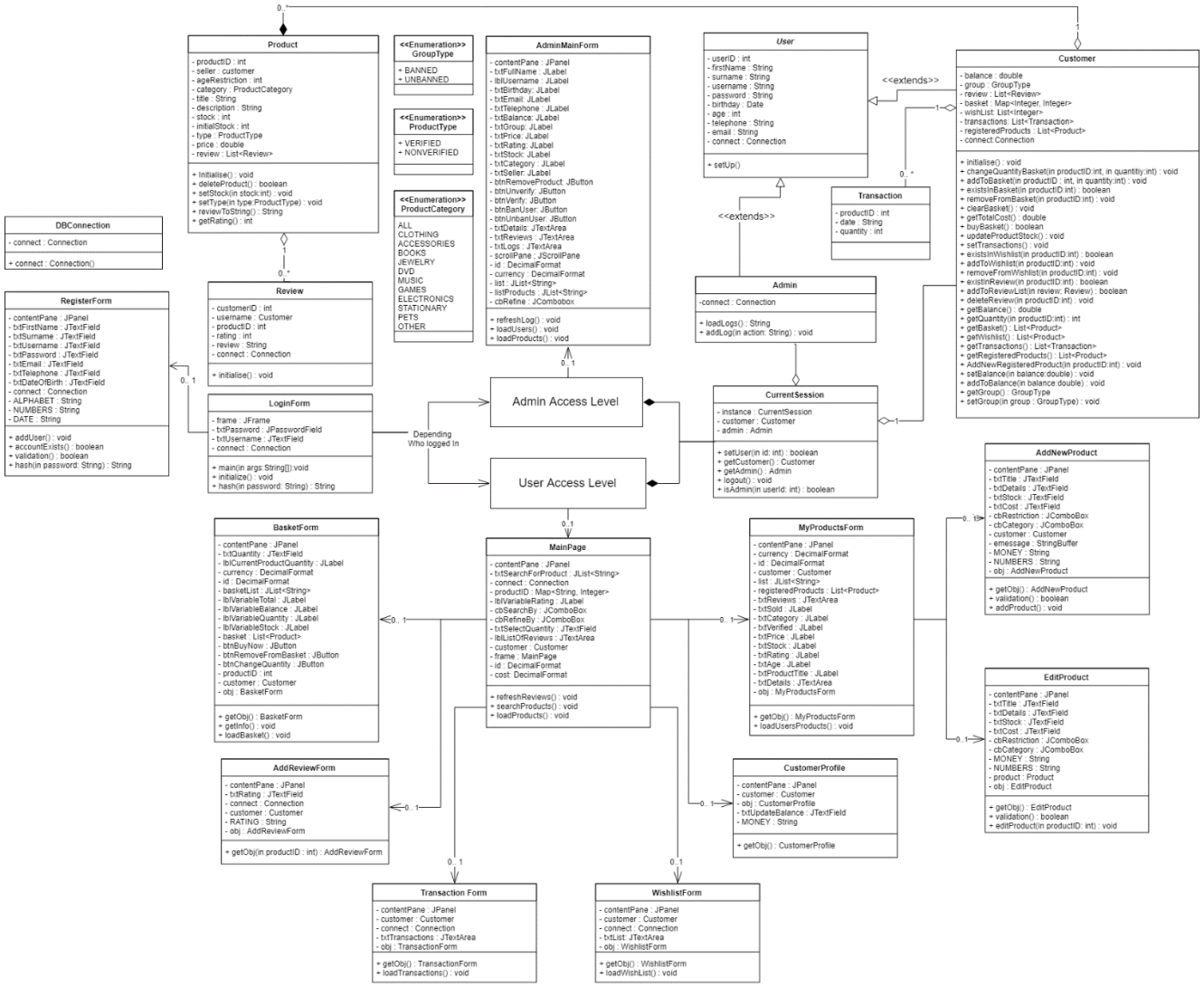
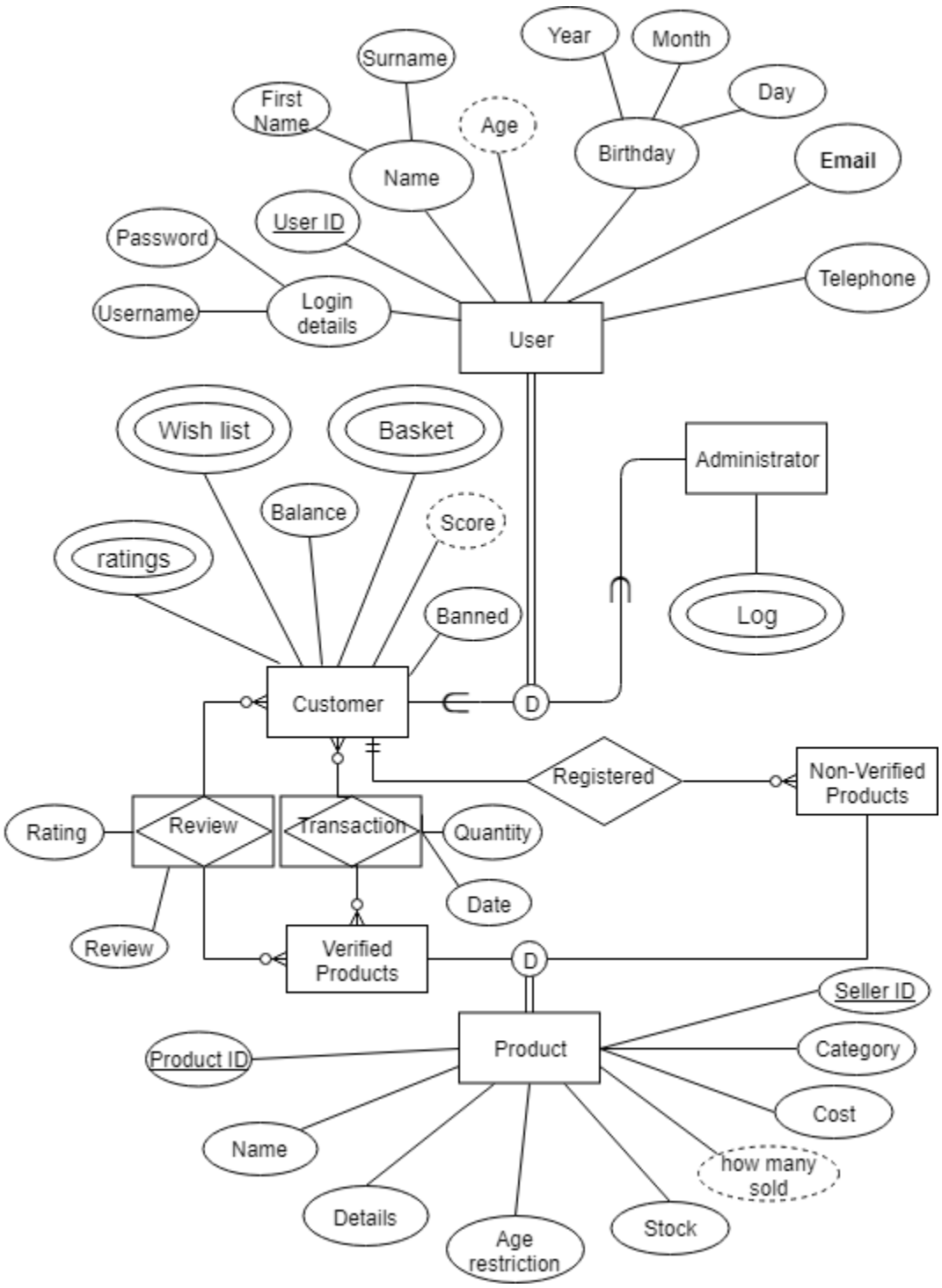

Product
- productID : int
- seller : customer
- ageRestriction : int
- category : ProductCategory
- title : String
- description : String
- stock : int
- initialStock : int
- type : ProductType
- price : double
- review : List<Review>
+ Initialise() : void
+ deleteProduct() : boolean
+ setStock(in stock:int) : void
+ setType(in type:ProductType) : void
+ reviewToString() : String
+ getRating() : int
<<Enumeration>>
GroupType
+ BANNED
+ UNBANNED
<<Enumeration>>
ProductType
+ VERIFIED
+ NONVERIFIED
<<Enumeration>>
ProductCategory
ALL
CLOTHING
ACCESSORIES
BOOKS
JEWELRY
DVD
MUSIC
GAMES
ELECTRONICS
STATIONARY
PETS
OTHER
AdminMainForm
- contentPane : JPanel
- txtFullName : JLabel
- lblUsername : JLabel
- txtBirthday: JLabel
- txtEmail: JLabel
- txtTelephone : JLabel
- txtBalance: JLabel
- txtGroup: JLabel
- txtPrice: JLabel
- txtRating: JLabel
- txtStock: JLabel
- txtCategory : JLabel
- txtSeller: JLabel
- btnRemoveProduct: JButton
- btnUnverify: JButton
- btnVerify: JButton
- btnBanUser: JButton
- btnUnbanUser: JButton
- txtDetails: JTextArea
- txtReviews : JTextArea
- txtLogs : JTextArea
- scrollPane : JScrollPane
- id : DecimalFormat
- currency : DecimalFormat
- list : JList<String>
- listProducts : JList<String>
- cbRefine : JCombobox
+ refreshLog() : void
+ loadUsers() : void
+ loadProducts() : vod
User
- userID : int
- firstName : String
- surname : String
- username : String
- password : String
- birthday : Date
- age : int
- telephone : String
- email : String
- connect : Connection
+ setUp()
<<extends>>
Customer
- balance : double
- group : GroupType
- review : List<Review>
- basket : Map<Integer, Integer>
- wishList: List<Integer>
- transactions: List<Transaction>
- registeredProducts : List<Product>
- connect:Connection
+ initialise() : void
+ changeQuantityBasket(in productID:int, in quantitiy:int) : void
+ addToBasket(in productID : int, in quantity:int) : void
+ existsInBasket(in productID:int) : boolean
+ removeFromBasket(in productID:int) : void
+ clearBasket() : void
+ getTotalCost() : double
+ buyBasket() : boolean
+ updateProductStock() : void
+ setTransactions() : void
+ existsInWishlist(in productID:int) : boolean
+ addToWishlist(in productID:int) : void
+ removeFromWishlist(in productID:int) : void
+ existsInReview(in productID:int) : boolean
+ addToReviewList(in review: Review) : boolean
+ deleteReview(in productID:int) : void
+ getBalance() : double
+ getQuantity(in productID:int) : int
+ getBasket() : List<Product>
+ getWishlist() : List<Product>
+ getTransactions() : List<Transaction>
+ getRegisteredProducts() : List<Product>
+ AddNewRegisteredProduct(in productID:int) : void
+ setBalance(in balance:double) : void
+ addToBalance(in balance:double) : void
+ getGroup() : GroupType
+ setGroup(in group : GroupType) : void
Transaction
- productID : int
- date : String
- quantity : int
DBConnection
- connect : Connection
+ connect : Connection()
Review
- customerID : int
- username : Customer
- productID : int
- rating : int
- review : String
- connect : Connection
+ initialise() : void
Admin
-connect : Connection
+ loadLogs() : String
+ addLog(in action: String) : void
RegisterForm
- contentPane : JPanel
- txtFirstName : JTextField
- txtSurname : JTextField
- txtUsername : JTextField
- txtPassword : JTextField
- txtEmail : JTextField
- txtTelephone : JTextField
- txtDateOfBirth : JTextField
- connect : Connection
- ALPHABET : String
- NUMBERS : String
- DATE : String
+ addUser() : void
+ accountExists() : boolean
+ validation() : boolean
+ hash(in password: String) : String
LoginForm
- frame : JFrame
- txtPassword : JPasswordField
- txtUsername : JTextField
- connect : Connection
+ main(in args:String[]):void
+ initialize() : void
+ hash(in password: String) : String
Depending
Who logged In
Admin Access Level
User Access Level
CurrentSession
- instance : CurrentSession
- customer : Customer
- admin : Admin
+ setUser(in id: int) : boolean
+ getCustomer() : Customer
+ getAdmin() : Admin
+ logout() : void
+ isAdmin(in userId: int) : boolean
AddNewProduct
- contentPane : JPanel
- txtTitle : JTextField
- txtDetails : JTextField
- txtStock : JTextField
- txtCost : JTextField
- cbRestriction : JComboBox
- cbCategory : JComboBox
- customer : Customer
- emessage : StringBuffer
- MONEY : String
- NUMBERS : String
- obj : AddNewProduct
+ getObj() : AddNewProduct
+ validation() : boolean
+ addProduct() : void
BasketForm
- contentPane : JPanel
- txtQuantity : JTextField
- lblCurrentProductQuantity : JLabel
- currency : DecimalFormat
- id : DecimalFormat
- basketList : JList<String>
- lblVariableTotal : JLabel
- lblVariableBalance : JLabel
- lblVariableQuantity : JLabel
- lblVariableStock : JLabel
- basket : List<Product>
- btnBuyNow : JButton
- btnRemoveFromBasket : JButton
- btnChangeQuantity : JButton
- productID : int
- customer : Customer
- obj : BasketForm
+ getObj() : BasketForm
+ getInfo() : void
+ loadBasket() : void
MainPage
- contentPane : JPanel
- txtSearchForProduct : JList<String>
- connect : Connection
- productID : Map<String, Integer>
- lblVariableRating : JLabel
- cbSearchBy : JComboBox
- cbRefineBy : JComboBox
- txtSelectQuantity : JTextField
- lblListOfReviews : JTextArea
- customer : Customer
- frame : MainPage
- id : DecimalFormat
- cost: DecimalFormat
+ refreshReviews() : void
+ searchProducts() : void
+ loadProducts() : void
MyProductsForm
- contentPane : JPanel
- currency : DecimalFormat
- id : DecimalFormat
- customer : Customer
- list : JList<String>
- registeredProducts : List<Product>
- txtReviews : JTextArea
- txtSold : JLabel
- txtCategory : JLabel
- txtVerified : JLabel
- txtPrice : JLabel
- txtStock : JLabel
- txtRating : JLabel
- txtAge : JLabel
- txtProductTitle : JLabel
- txtDetails : JTextArea
- obj : MyProductsForm
+ getObj() : MyProductsForm
+ loadUsersProducts() : void
EditProduct
- contentPane : JPanel
- txtTitle : JTextField
- txtDetails : JTextField
- txtStock : JTextField
- txtCost : JTextField
- cbRestriction : JComboBox
- cbCategory : JComboBox
- MONEY : String
- NUMBERS : String
- product : Product
- obj : EditProduct
+ getObj() : EditProduct
+ validation() : boolean
+ editProduct(in productID: int) : void
AddReviewForm
- contentPane : JPanel
- txtRating : JTextField
- connect : Connection
- customer : Customer
- RATING : String
- obj : AddReviewForm
+ getObj(in productID : int) : AddReviewForm
CustomerProfile
- contentPane : JPanel
- customer : Customer
- obj : CustomerProfile
- txtUpdateBalance : JTextField
- MONEY : String
+ getObj() : CustomerProfile
Transaction Form
- contentPane : JPanel
- customer : Customer
- connect : Connection
- txtTransactions : JTextArea
- obj : TransactionForm
+ getObj() : TransactionForm
+ loadTransactions() : void
WishlistForm
- contentPane : JPanel
- customer : Customer
- connect : Connection
- txtList: JTextArea
- obj : WishlistForm
+ getObj() : WishlistForm
+ loadWishList() : void


Year
Month
Surname
Day
First Name
Age
Birthday
Email
Name
User ID
Password
Telephone
Login details
Username
User
Wish list
Basket
Administrator
Balance
Score
ratings
Log
Banned
Customer
D
Registered
Non-Verified Products
Rating
Review
Transaction
Quantity
Date
Review
Verified Products
D
Seller ID
Product
Product ID
Category
Cost
Name
how many sold
Details
Age restriction
Stock

User (User_ID:Integer, First_Name:Text, Surname:Text, Username:Text, Password:Text, Birthday:Text, Email: Text, Telephone:Text)

Administrator (Admin_ID:Integer, User_ID:Integer)

Customer (User_ID:Integer, Balance:Real, GroupType:Text)

Customer_Basket (User_ID:Integer, Product_ID:Integer, quantity:Integer)

Customer_Product_Reviews (User_ID:Integer, Product_ID:Integer, Rating:Integer, Review:Text)

Customer_Transactions (User_ID:Integer, Product_ID:Integer, Date:Text, Quantity:Integer)

Customer_Wishlist (User_ID:Integer, Product_ID:Integer)

Log (User_ID:Integer, Action:Text, Date:Text)

Product (Product_ID:Integer, Name:Text, Details:Integer, Initial_Stock_Integer, Current_Stock:Integer, Cost:Real, AgeRestriction:Integer, Verified:Integer, Category:Text)