

# **Video Game Store Management System**

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Section C

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## 1. Project Introduction

**Project Title:** Video Game Store Management System

**Short Details:** This project is a console application designed to manage the daily operations of a small video game store. It will automate and simplify tasks for the store staff, such as managing inventory and processing transactions.

The system will have two distinct types of users: an **Admin** and an **Employee**.

- The **Admin** is responsible for managing the store's complete game inventory. This includes adding new game titles, updating game details (like price or platform), and deleting games from the system.
- The **Employee** acts as the store cashier. This user will handle the sales process, manage customer trade-ins, search for games, and track their daily sales.

## **2. Functional Requirements**

### **2.1 Admin User**

- Can log in to the system with a unique password.
- Can add a new game to the store's inventory (e.g., add Title, Platform, Genre, Price, Stock).
- Can delete a game from the inventory.
- Can update the details of an existing game (e.g., update price or stock quantity).
- Can search for any game in the inventory by title or platform.
- Can view a list of all games currently in stock.
- Can view the complete sales and trade-in history of the store.

### **2.2 Employee User**

- Can log in to the system with a unique password.
- Can sell a game to a customer (which reduces the game's stock).

- Can process a customer trade-in (which adds to the game's stock, possibly as 'Used').
- Can search for a game to check its availability, price, and platform.
- Can view all games sorted by Platform (e.g., PS5, Xbox, Switch, PC).
- Can view all games sorted by price (low to high).
- Can view only the sales they made today.

### **3. Wireframes**

#### **3.1 Main Menu (Login Screen):**

WELCOME TO THE GAME STORE

Please select your role:

1. Login as Admin
2. Login as Employee
3. Exit

Enter your choice (1-3): \_

### **3.2 Admin Menu (After Login):**

#### ADMIN DASHBOARD

1. Add New Game
2. Delete Game
3. Update Game Details
4. Search for a Game
5. View All Games (Inventory)
6. View Full Sales History
7. Logout

Enter your choice (1-7): \_

### **3.3 Employee Menu (After Login):**

#### EMPLOYEE DASHBOARD

1. Sell a Game
2. Process Customer Trade-In
3. Search for a Game
4. View All Games (by Platform)
5. View All Games (by Price: Low-High)
6. View My Daily Sales

## 7. Logout

Enter your choice (1-7): \_

### **3.4 Add New Game Screen (Admin):**

ADD NEW GAME

Enter Game Title: \_\_\_\_\_

Enter Game Platform (PS5/Xbox/Switch/PC): \_\_\_\_\_

Enter Game Genre: \_\_\_\_\_

Enter Game Price: \_\_\_\_\_

Enter Game Stock (Quantity): \_\_\_\_\_

Game "[Game Title]" added successfully!

Press any key to return to menu...

### **3.5 Sell a Game Screen (Employee):**

SELL A GAME

Enter Game Title to sell: \_

Book Found: [Game Title]

Platform: [Game Platform]

Price: [Game Price]

Stock: [Game Stock]

Enter Quantity to sell: \_\_\_\_\_

Sale successful! Total Price: [Total]

Press any key to return to menu...

### **3.6 Process Trade-In Screen (Employee):**

PROCESS CUSTOMER TRADE-IN

Enter Game Title: \_\_\_\_\_

Enter Game Platform: \_\_\_\_\_

Stock Found: [Game Stock] (New/Used)

Enter Trade-In Value (Price): \_\_\_\_\_

Enter Quantity to add to stock: \_\_\_\_\_

Trade-in successful! Stock for "[Game Title]"  
updated.

Press any key to return to menu...

### **3.7 View All Games Screen (Admin/Employee):**

----- ALL GAMES IN INVENTORY -----

| Title        | Platform | Genre    | Price | Stock |
|--------------|----------|----------|-------|-------|
| Game Title 1 | PS5      | RPG      | 59.99 | 15    |
| Game Title 2 | Switch   | Platform | 49.99 | 10    |
| Game Title 3 | PC       | Strategy | 39.99 | 25    |

Press any key to return to menu...