(The.Store)

System Analysis Project

For Store management system

Version 1.0 approved.

1- Functional Requirements

Administrator Requirement:

- View Reports (Dashboard)
- View Customer
- View Orders Details
- Manage Categories (Add)
- Manage Products (Add, Edit)
- Manage Promocodes (Add, Delete)
- Logout

Customer Requirement:

- View Home (Categories, Best_Selling)
- View All Products & sort by (Name, Cheapest, Expensive, Best)
- View Categories products (EX: Electronics, Jewelery, Men's Clothing, …)
- View Selected Product (Product_Info, Related_Product)
- Add to cart
- View Cart
- Use promo code
- Check out
- View Profile
- Logout

2- Diagrams

Decision Table (Order Process)

Our Store follows this policy:

1- take price discount if using a promocode and min total price is 200$ (dynamically value of discount changes from one promocode to another)

2- If customer ordered more than 5 item and min total price is 200$ ➔ 20% discount

3- customer ordered less than 5 item and min total price is 200$ ➔ 10% discount

4- if total price less than 200$ ➔ 5% discount

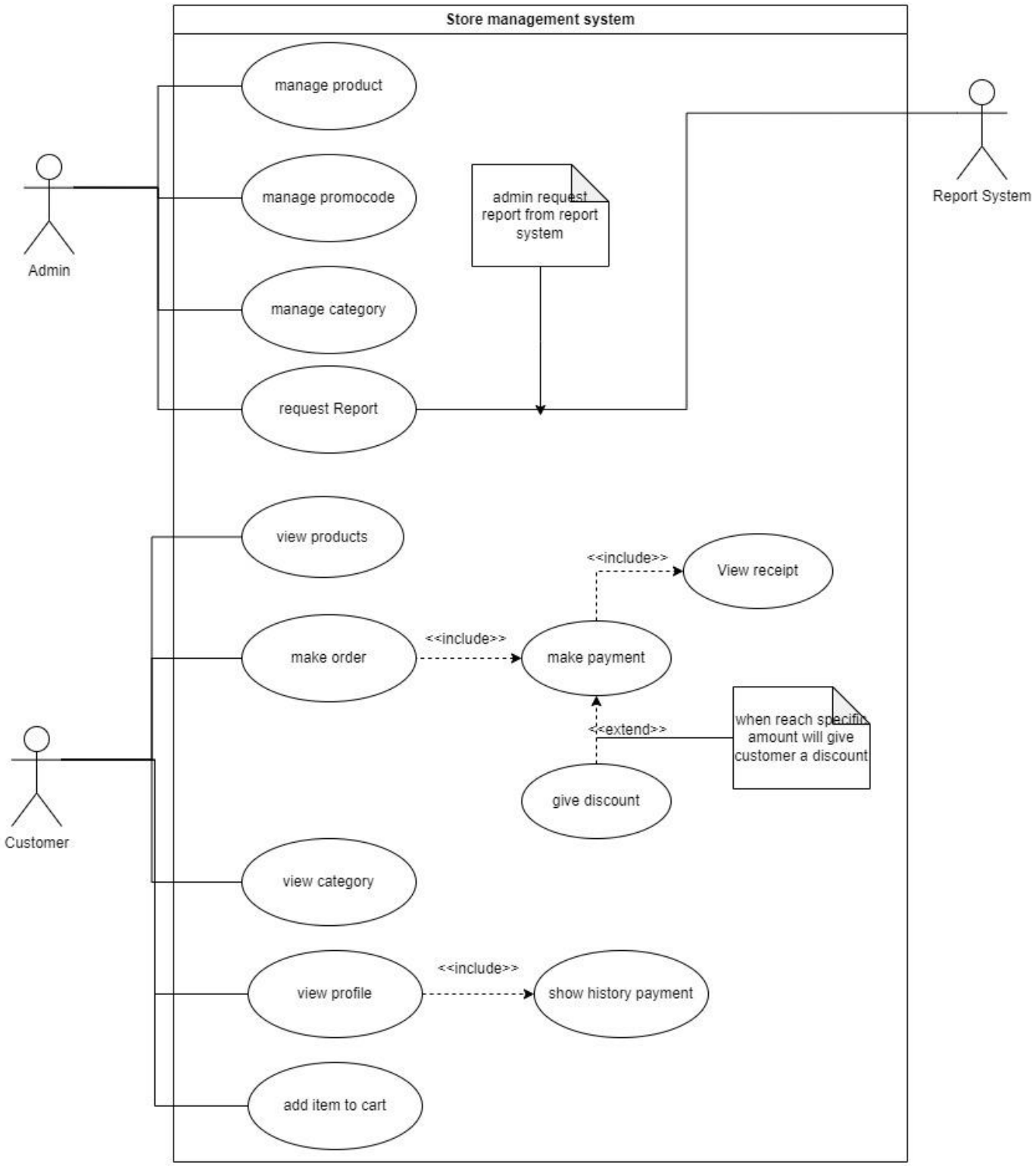
Full table

	RULES							
Conditions	1	2	3	4	5	6	7	8
Use Promocode	Y	Y	Y	Y	N	N	N	N
min total price is 200$	Y	Y	N	N	Y	Y	N	N
ordered item more than 5	Y	N	Y	N	Y	N	Y	N
Actions								
Promo Discount	X	X						
20% Discount	X				X			
10% Discount		X				X		
5% Discount			X	X			X	X

Simplified table

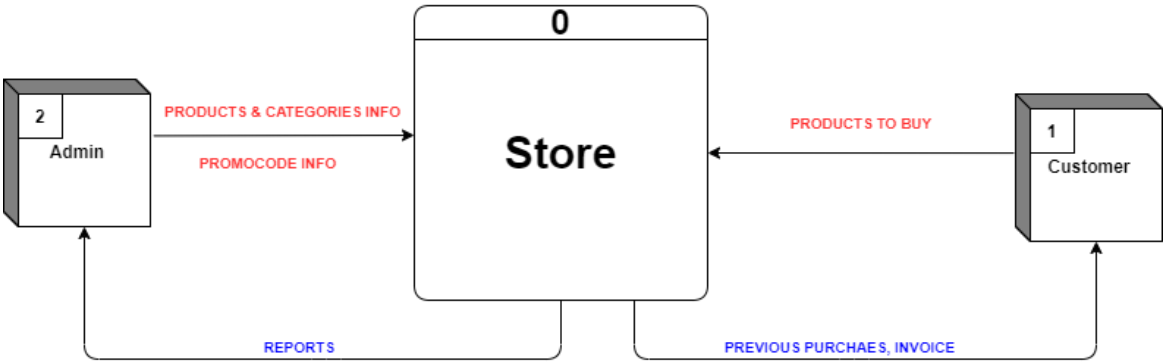
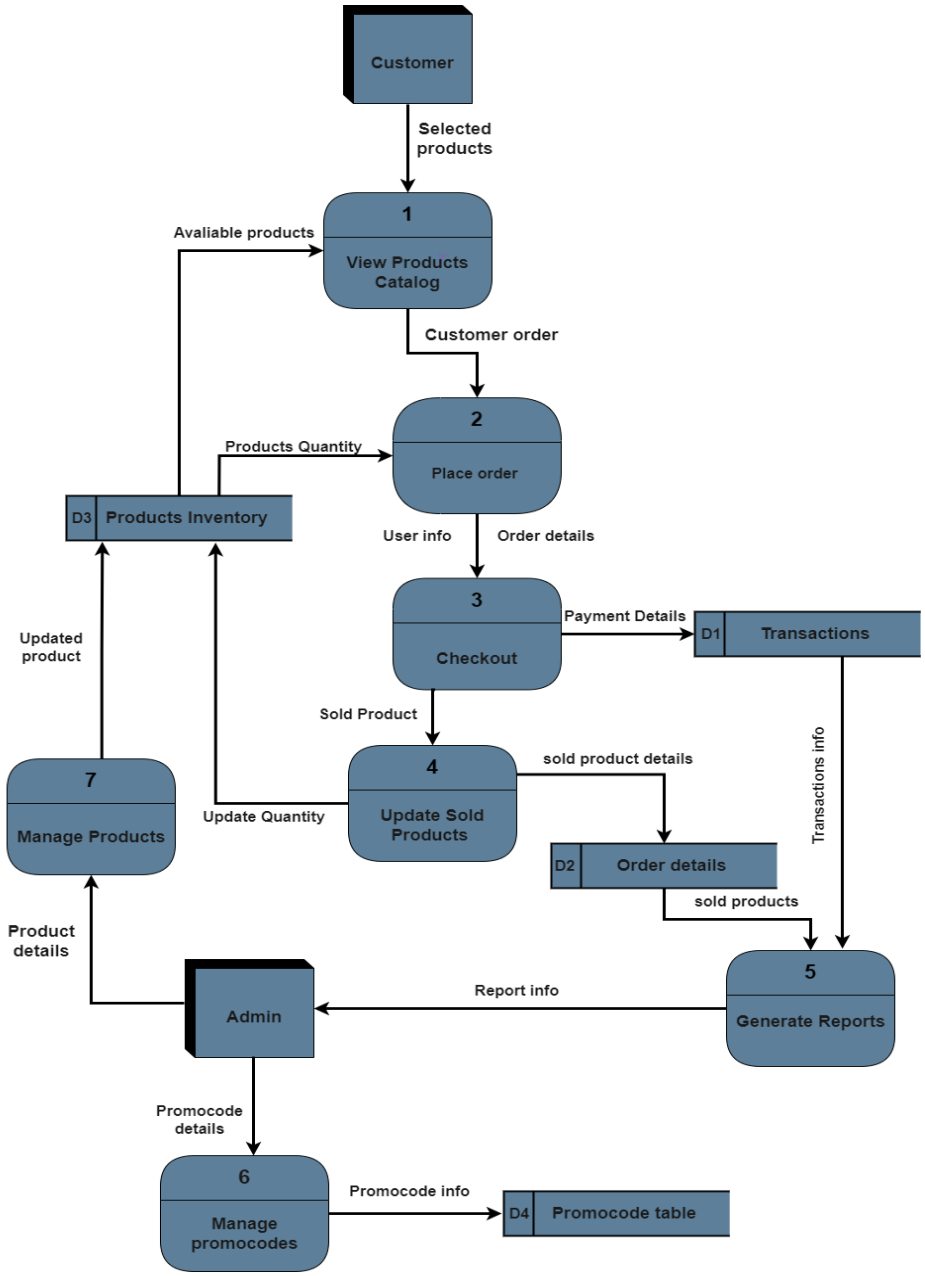
	RULES				
Conditions	1	2	3	4	5
Use Promocode	Y	Y	__	N	N
min total price is 200$	Y	Y	N	Y	Y
ordered item more than 5	Y	N	__	Y	N
Actions					
Promo Discount	X	X			
20% Discount	X			X	
10% Discount		X			X
5% Discount			X		

Use Case diagram



DFD Diagram

Level-0 (Context)



Level-1