David Andalcio Intro. To Software Engineering Assignment #3 5/29/17

Classes used:

1. GameSpeed 2. Product 3. Warranty 4. Employee 5. Order 6. Account 7. Manufacture 8. Console 9. Game 10. Controller 11. StoreManager 12. Salesman 13. Customer 14. Rebate 15. Microsoft 16. Sony 17. Nintendo 18. ElectronicArts 19. Activision 20. Take-TwoInteractive 21. XBOXOneConsole

22. XBOX360Console

23. PS3Console

24. PS4Console 25. WiiConsole 26. WiiUConsole 27. FIFA14Game 28. Forza5Game 29. NBA2K14Game 30. XBOXOneController 31. XBOX360Controller 32. PS3Controller 33. PS4Controller 34. WiiController 35. WiiUController 36. MicrosoftRebate 37. SonyRebate 38. NintendoRebate 39. ElectronicArtsRebate 40. ActivisionRebate

41. Take-TwoInteractiveRebate

42. PaymentAuthorizationService43. Payment44. Cash45. CreditCard46. Check

Diagram separated since the entire diagram was too big

GameSpeed

listOfProducts: ArrayList<Product> listOfWarranties: ArrayList<Warranty> listOfEmployees: ArrayList<Employee> listOfOrders: ArrayList<Order> listOfAccounts: ArrayList<Account>

getProductList(): ArrayList<Product> getWarrantyList(): ArrayList<Warranty> getEmployeeList(): ArrayList<Employee> getOrderList(): ArrayList<Order> getAccountList(): ArrayList<Account> addToProductList(): Void removeFromProductList(): Void addToWarrantyList(): Void removeFromWarrantyList(): Void addToEmployeeList(): Void removeFromEmployeeList(): Void addToOrderList(): Void removeFromOrderList(): Void addToAccountList(): Void removeFromAccountList(): Void

Product

name: String

manufacture: Manufacture itemID: int price: double

getName(): String getManufacture(): Manufacture getItemID(): int getPrice(): double

Warranty

expirationDate: Date

getExpirationDate(): Date

Employee

name: String employeeID: int

getName(): String getEmployeeID(): int

Order

orderID: int listOfProducts: ArrayList<Product> customer: Customer inStore: boolean

formOfPayment: Payment

getOrderID(): int getProductList(): ArrayList<Product> getCustomer(): Customer isInStore(): boolean getPaymentForm(): Payment

getPAS(): PAS addToProductList(): void removeFromProductList(): void

checkOut(): void

Account

customer: Customer accountID: int

listOfOrders: ArrayList<Order>

getCustomer(): Customer getAccountID(): int

getOrderList(): ArrayList<Order>

















