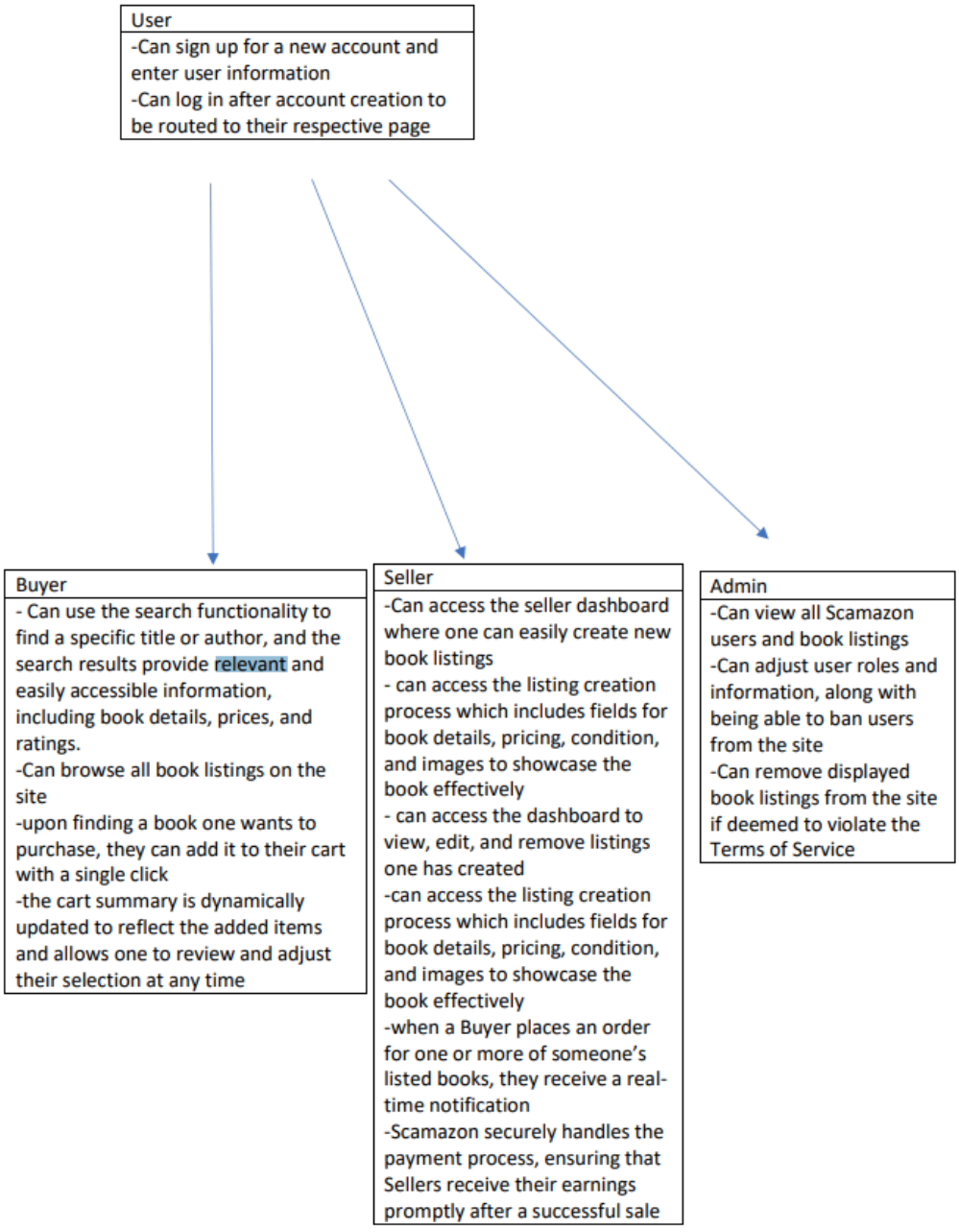
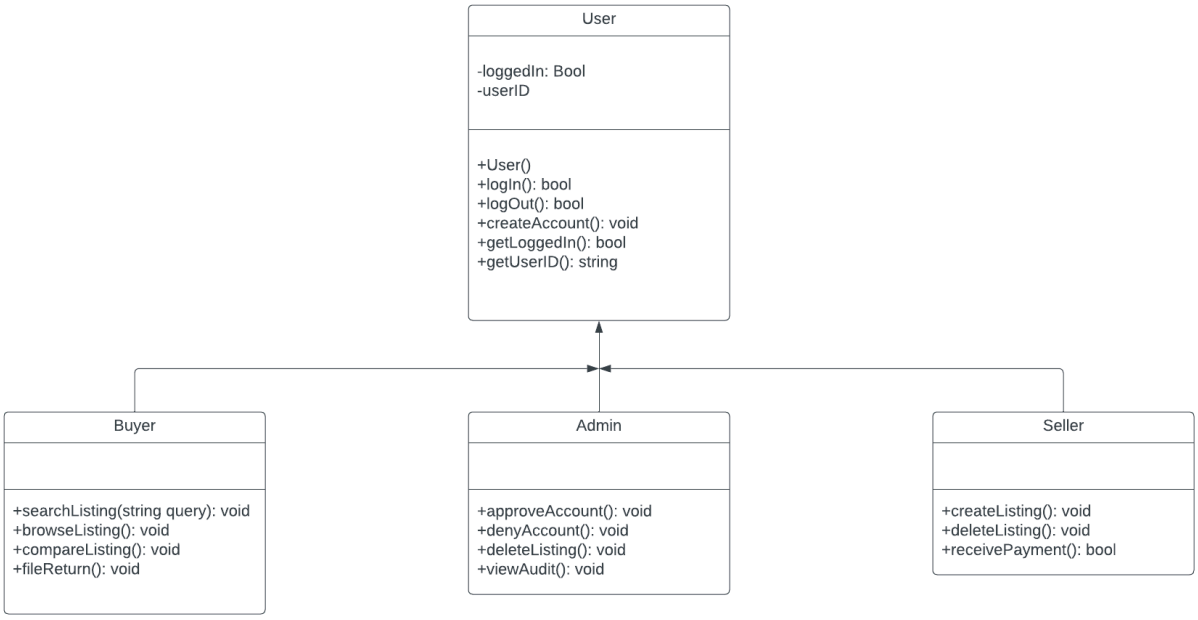
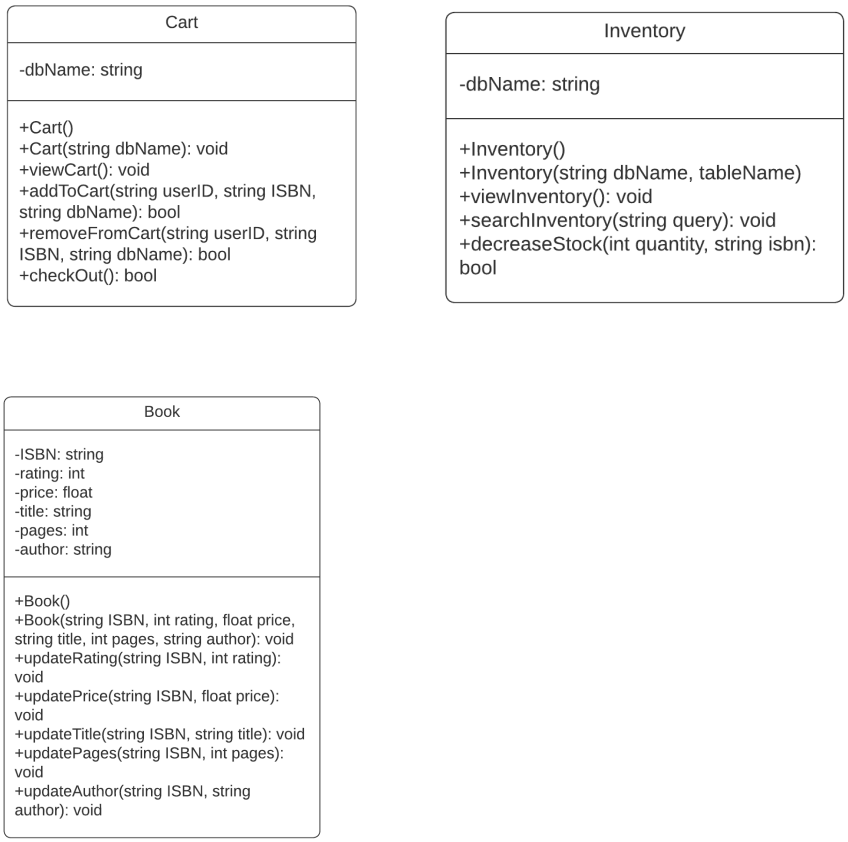
Scenario Based Diagrams



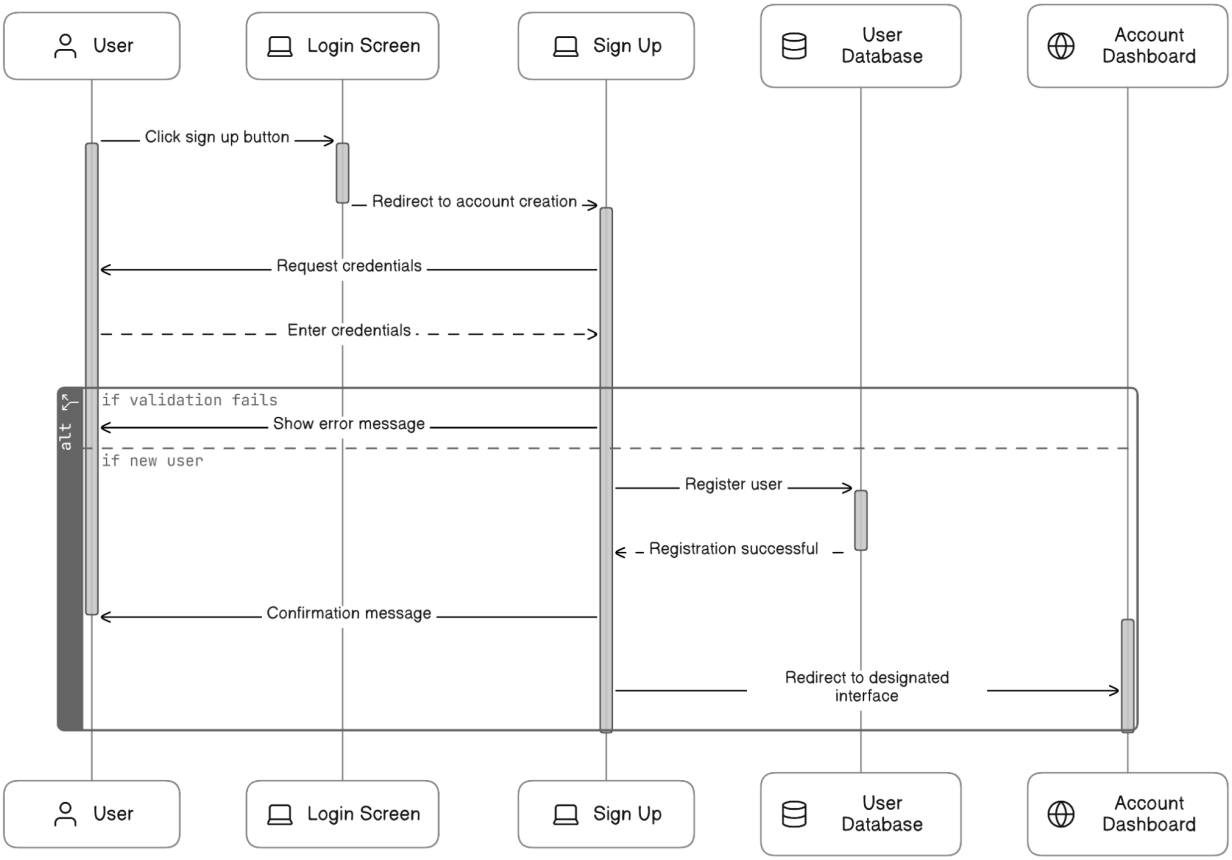
Class Based Diagrams



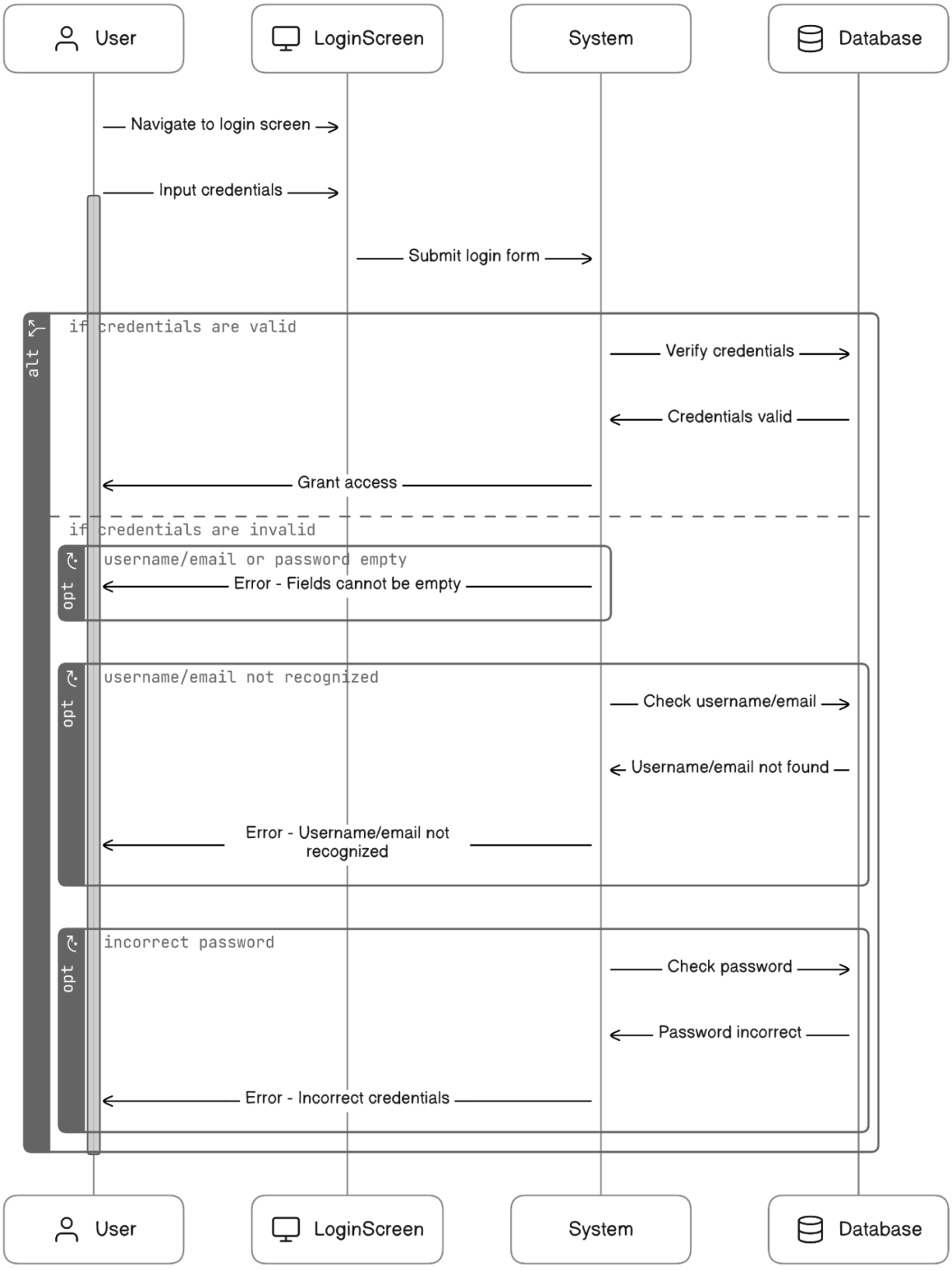

Cart
-dbName: string
+Cart()
+Cart(string dbName): void
+viewCart(): void
+addToCart(string userID, string ISBN, string dbName): bool
+removeFromCart(string userID, string ISBN, string dbName): bool
+checkOut(): bool
Inventory
-dbName: string
+Inventory()
+Inventory(string dbName, tableName)
+viewInventory(): void
+searchInventory(string query): void
+decreaseStock(int quantity, string isbn): bool
Book
-ISBN: string
-rating: int
-price: float
-title: string
-pages: int
-author: string
+Book()
+Book(string ISBN, int rating, float price, string title, int pages, string author): void
+updateRating(string ISBN, int rating): void
+updatePrice(string ISBN, float price): void
+updateTitle(string ISBN, string title): void
+updatePages(string ISBN, int pages): void
+updateAuthor(string ISBN, string author): void

Function Modeling Diagrams

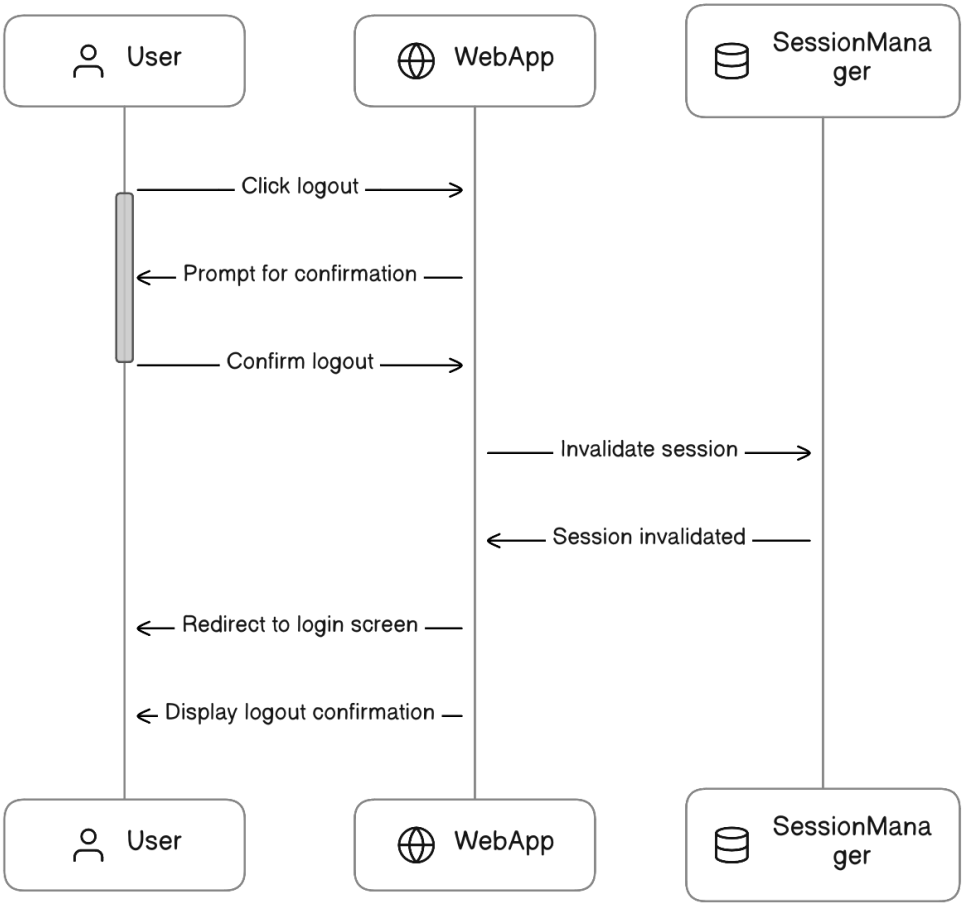
Account Creation Process



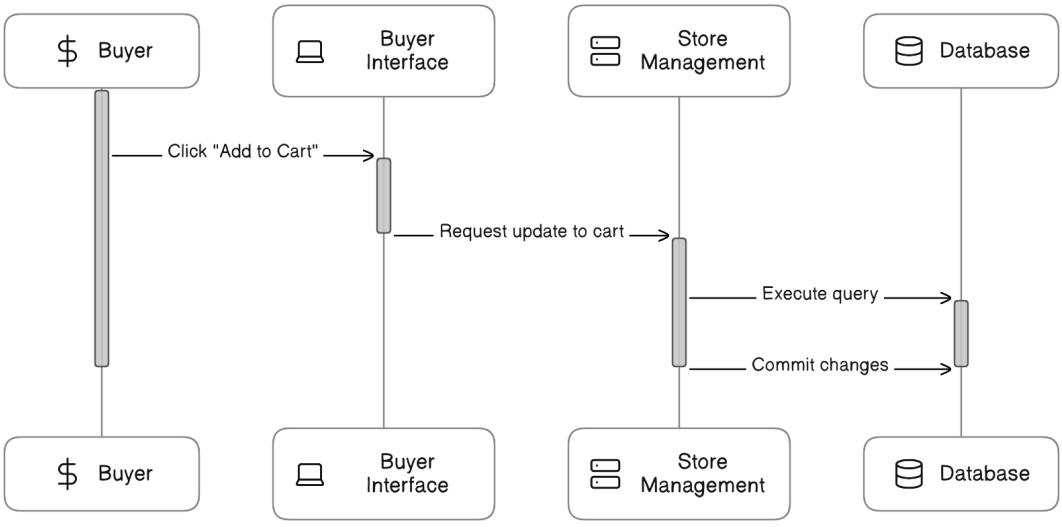
User Login Process



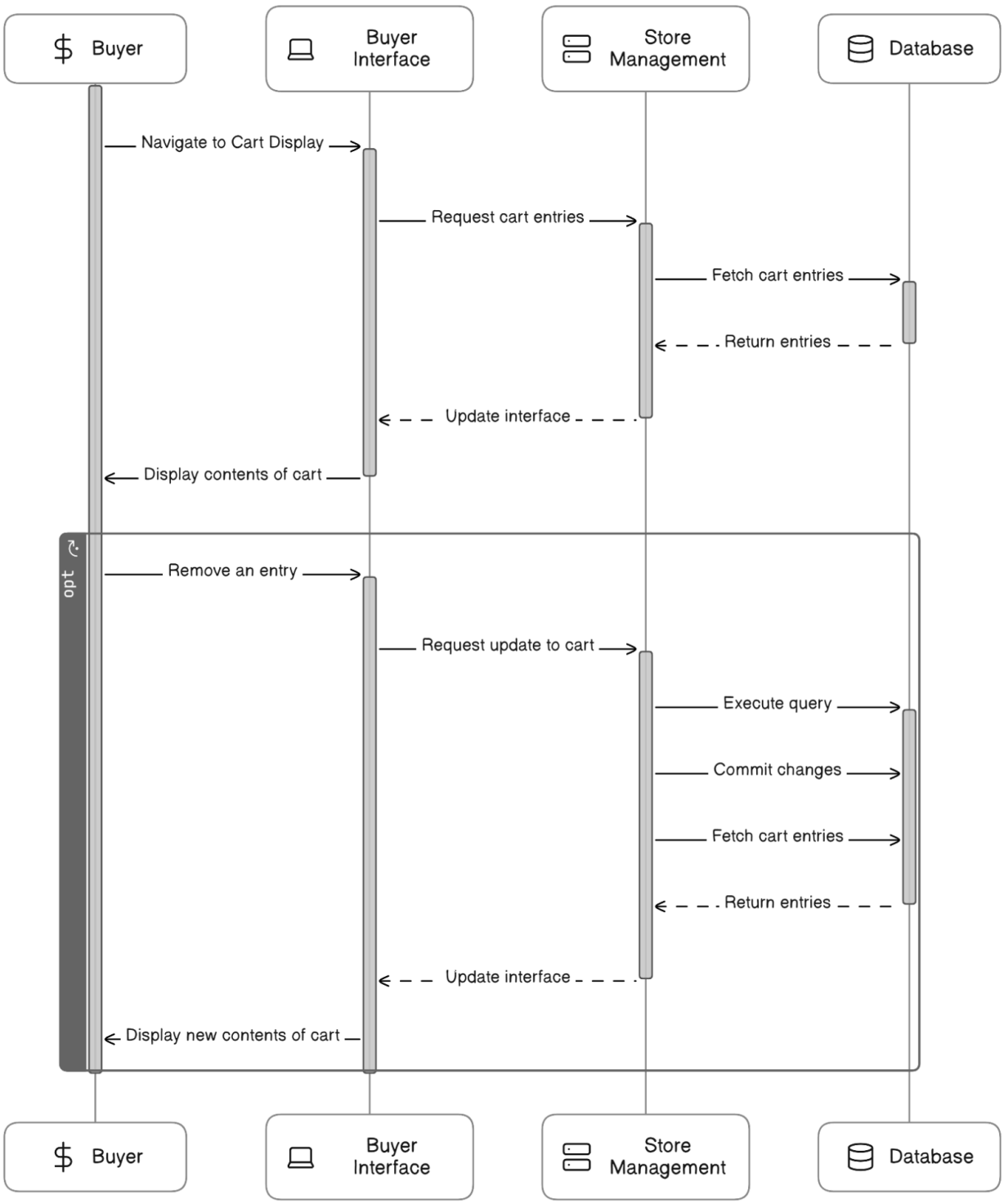
Logout Process



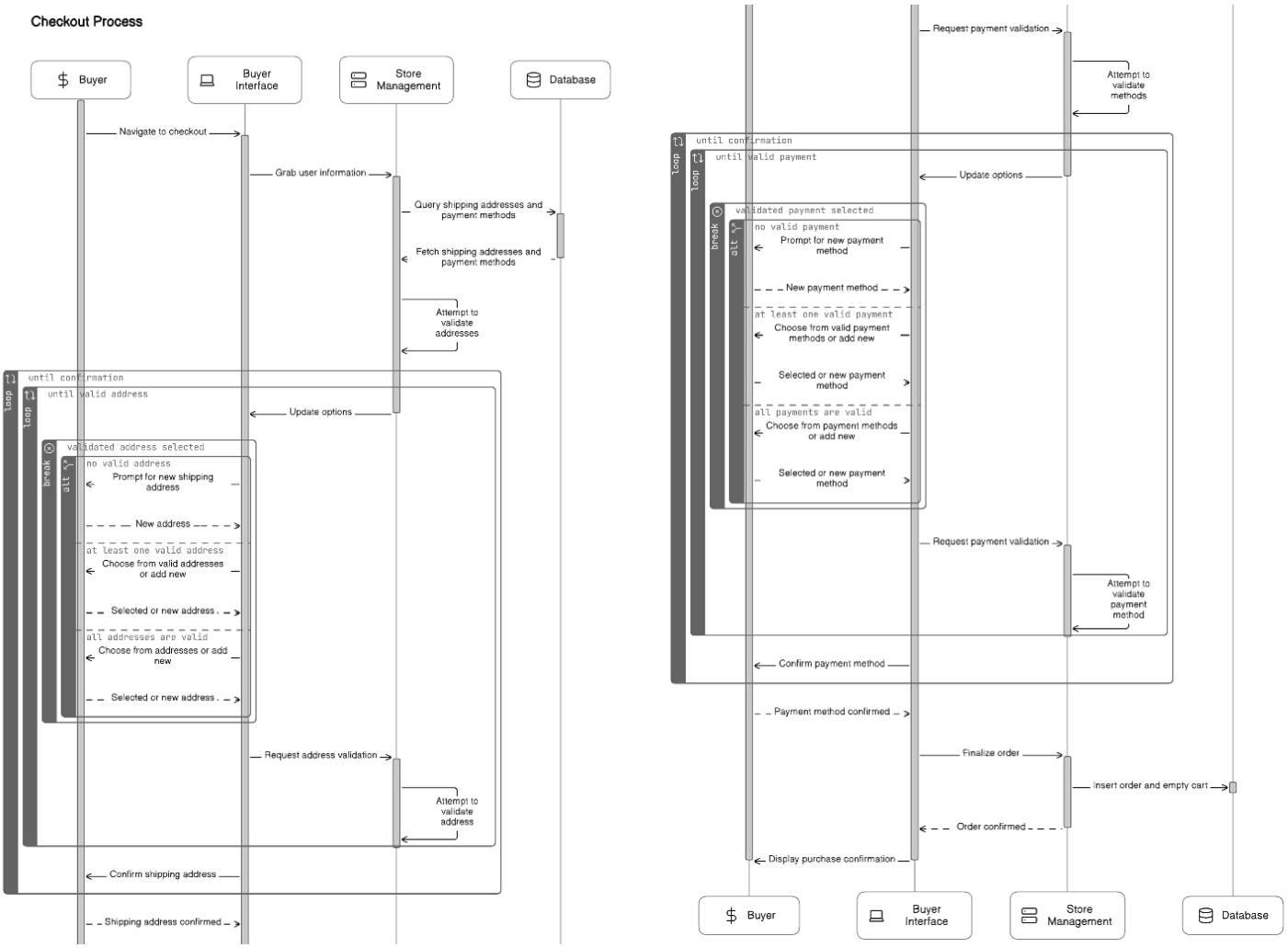
Add to Cart Process



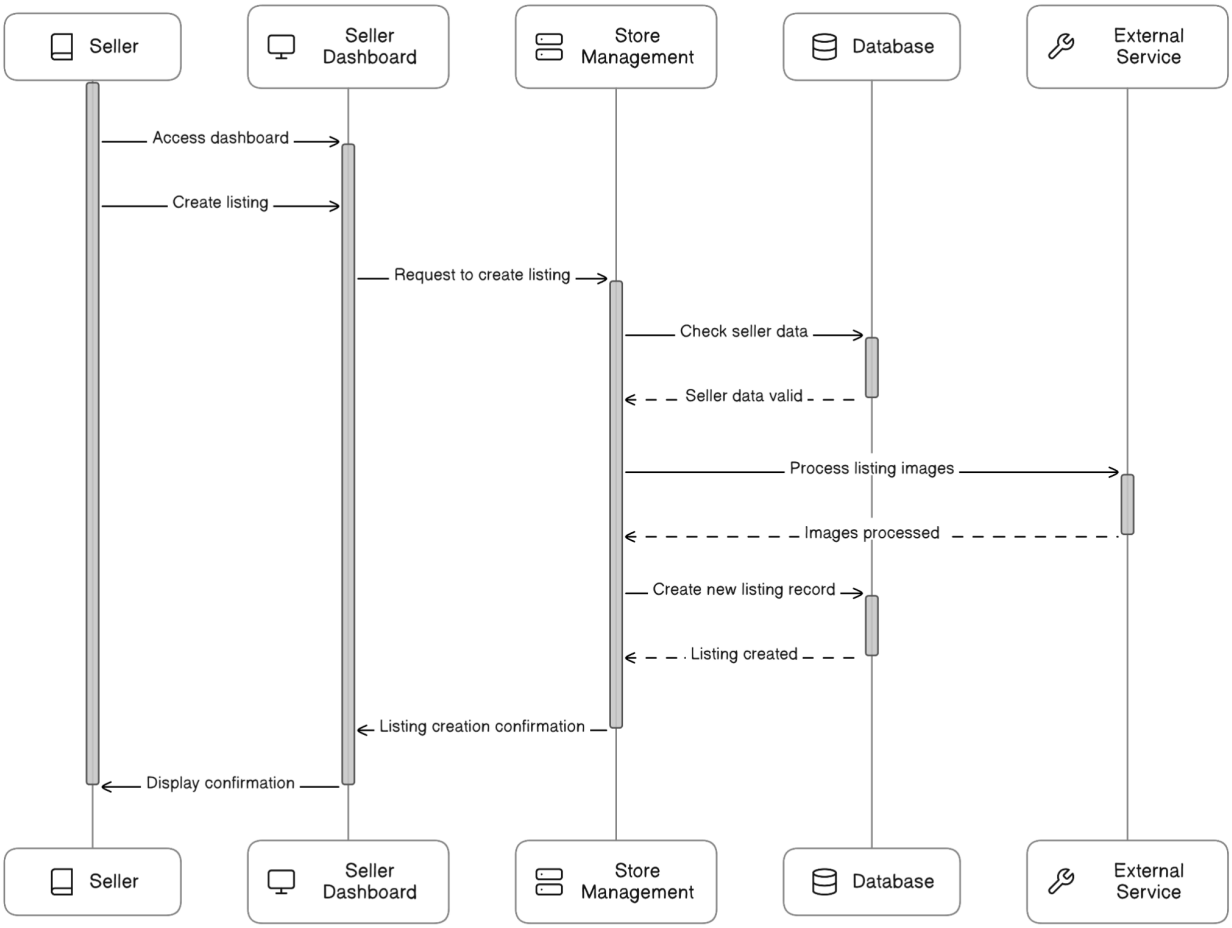
View Cart Process



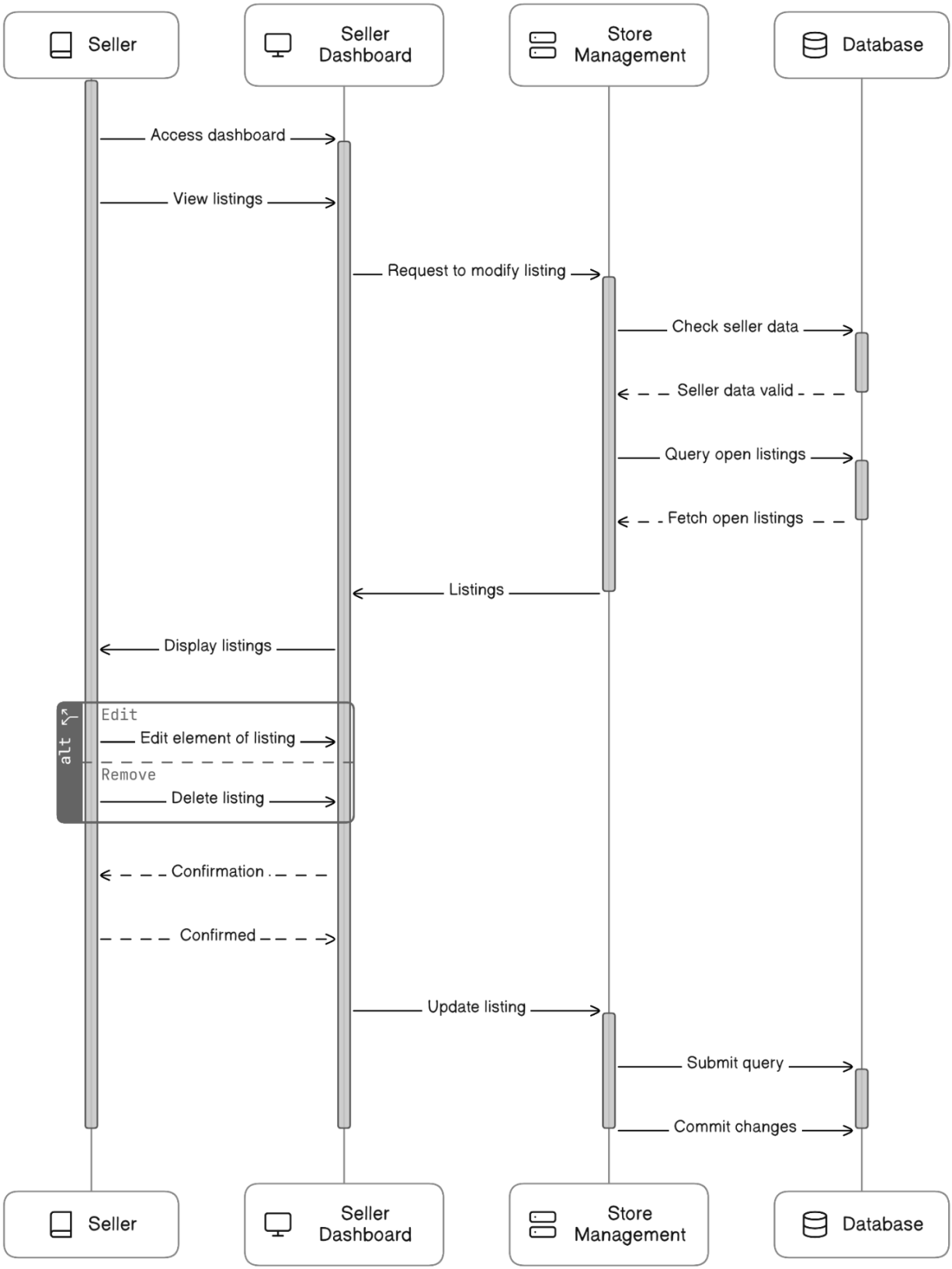
Checkout Process



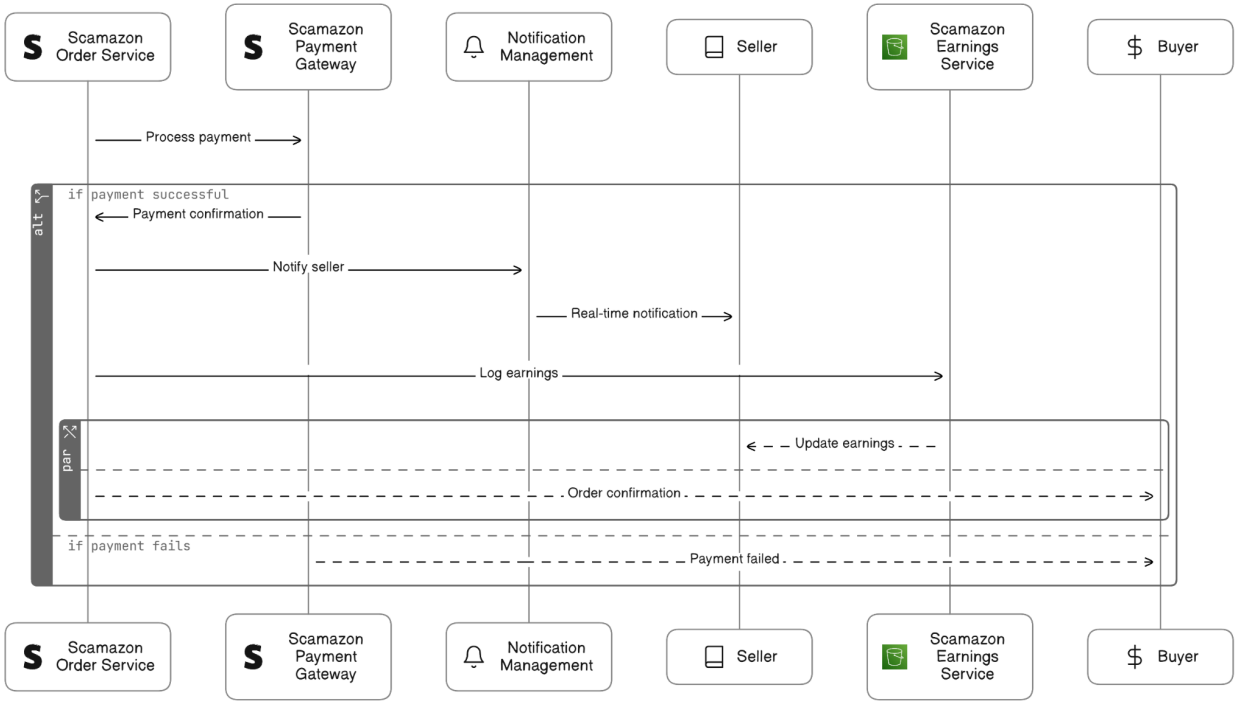
Listing Creation Process



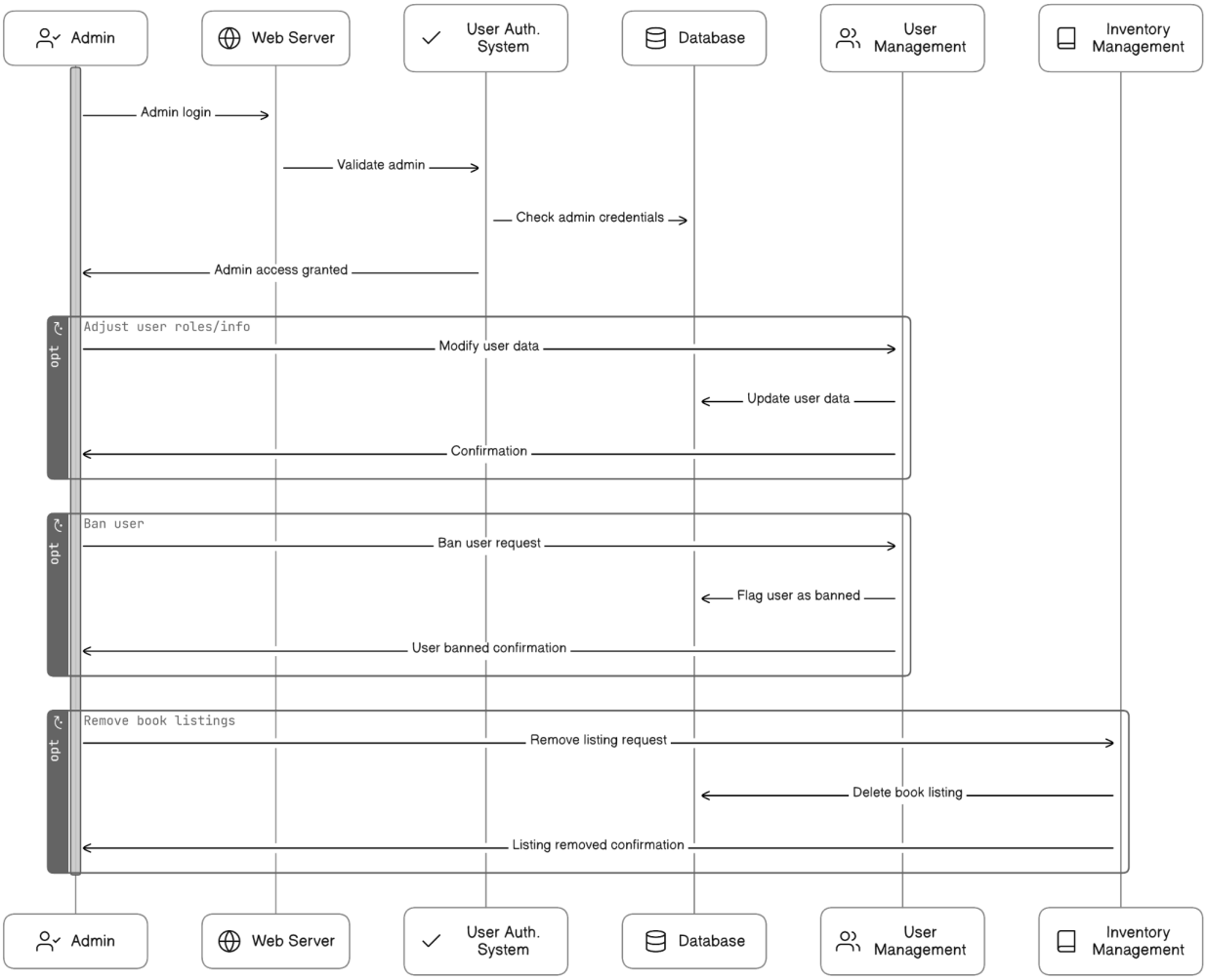
Listing Modification Process



Real Time Order and Payment Process

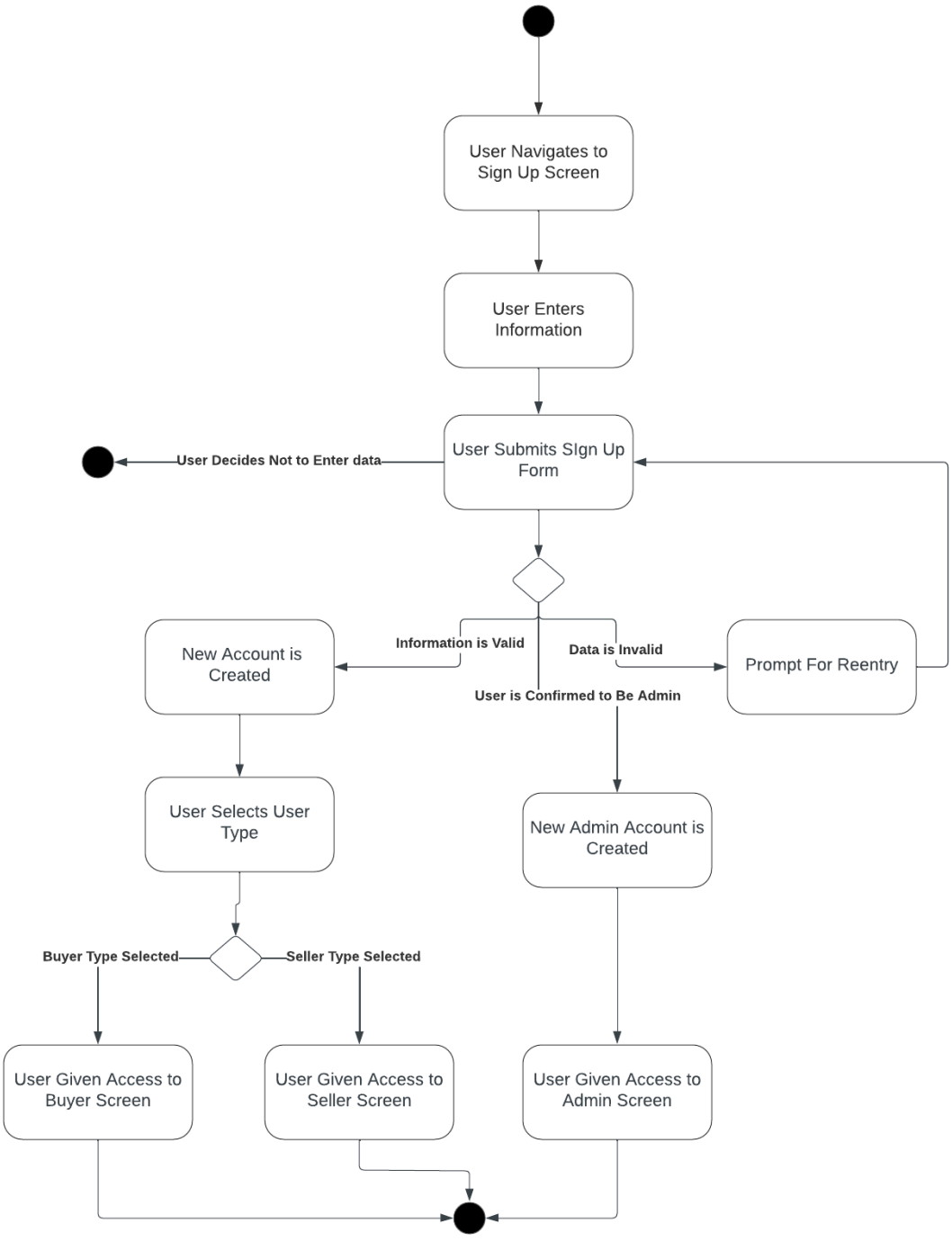


Admin System Interactions

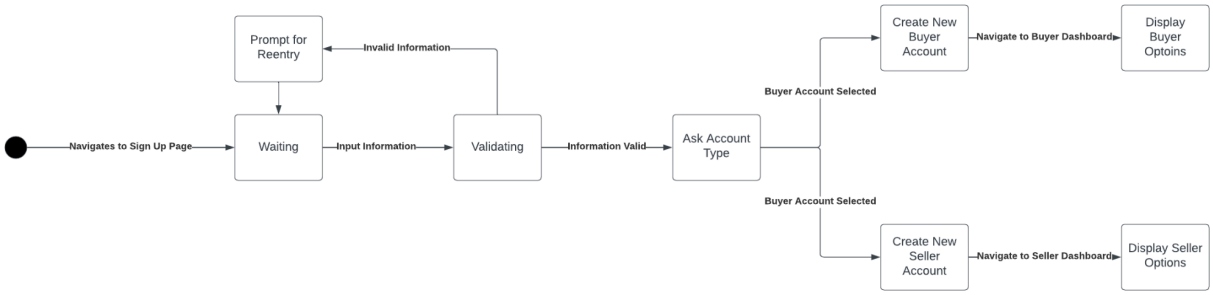


Behavioral Modeling Diagrams

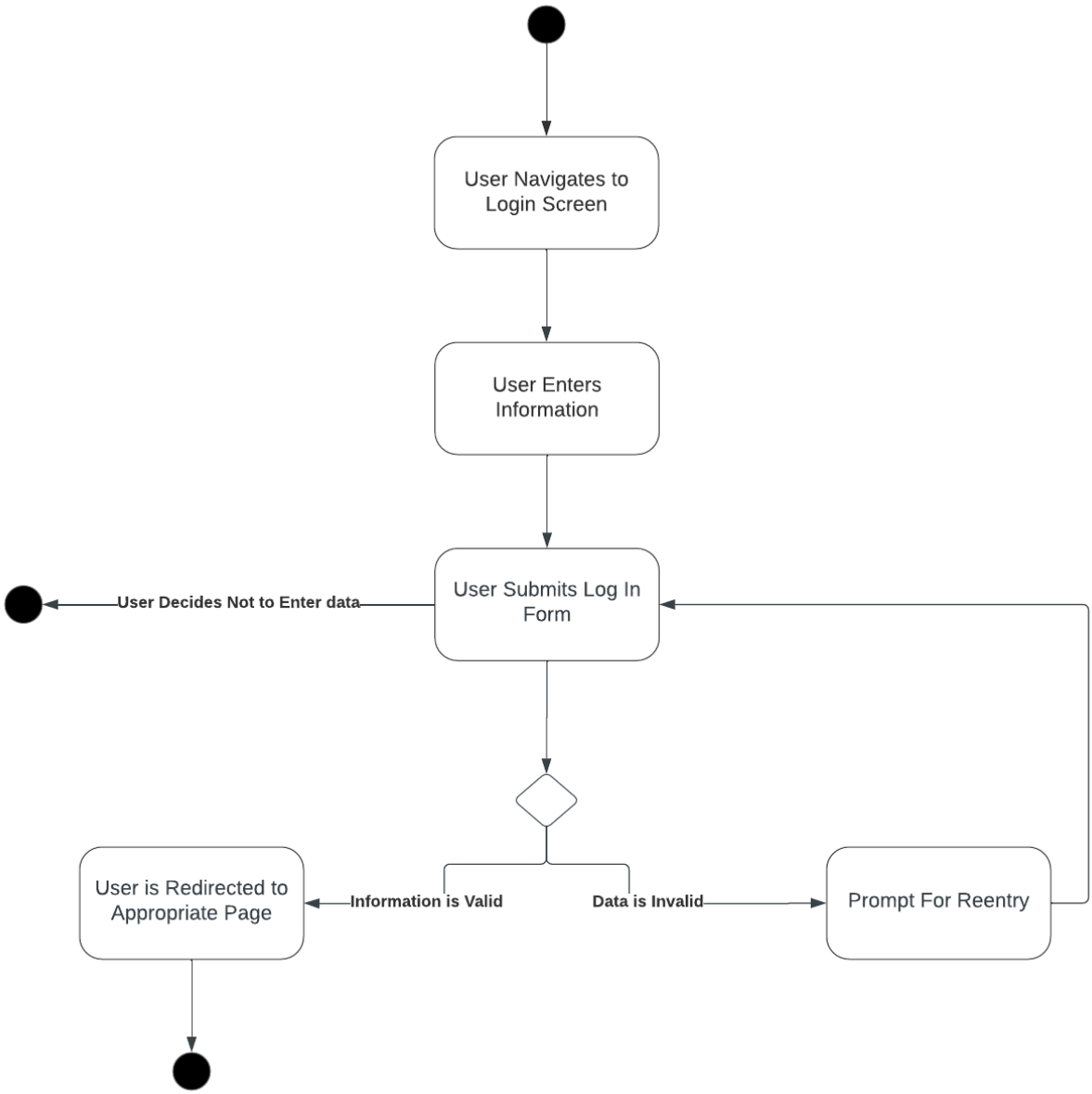
Sign Up Activity Diagram



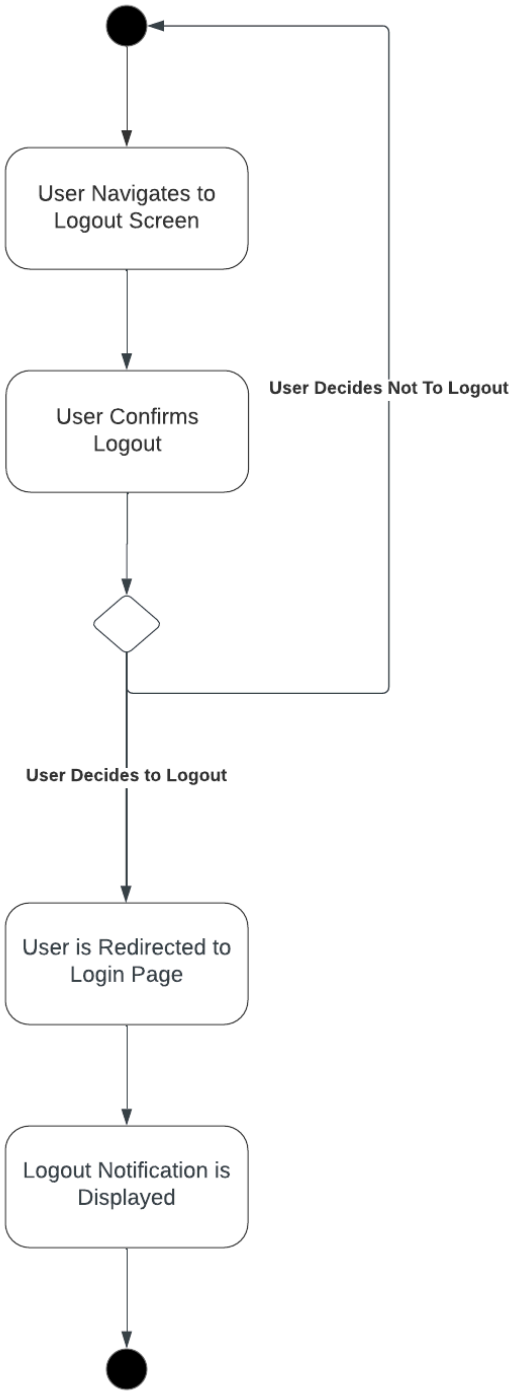
Sign Up State Diagram



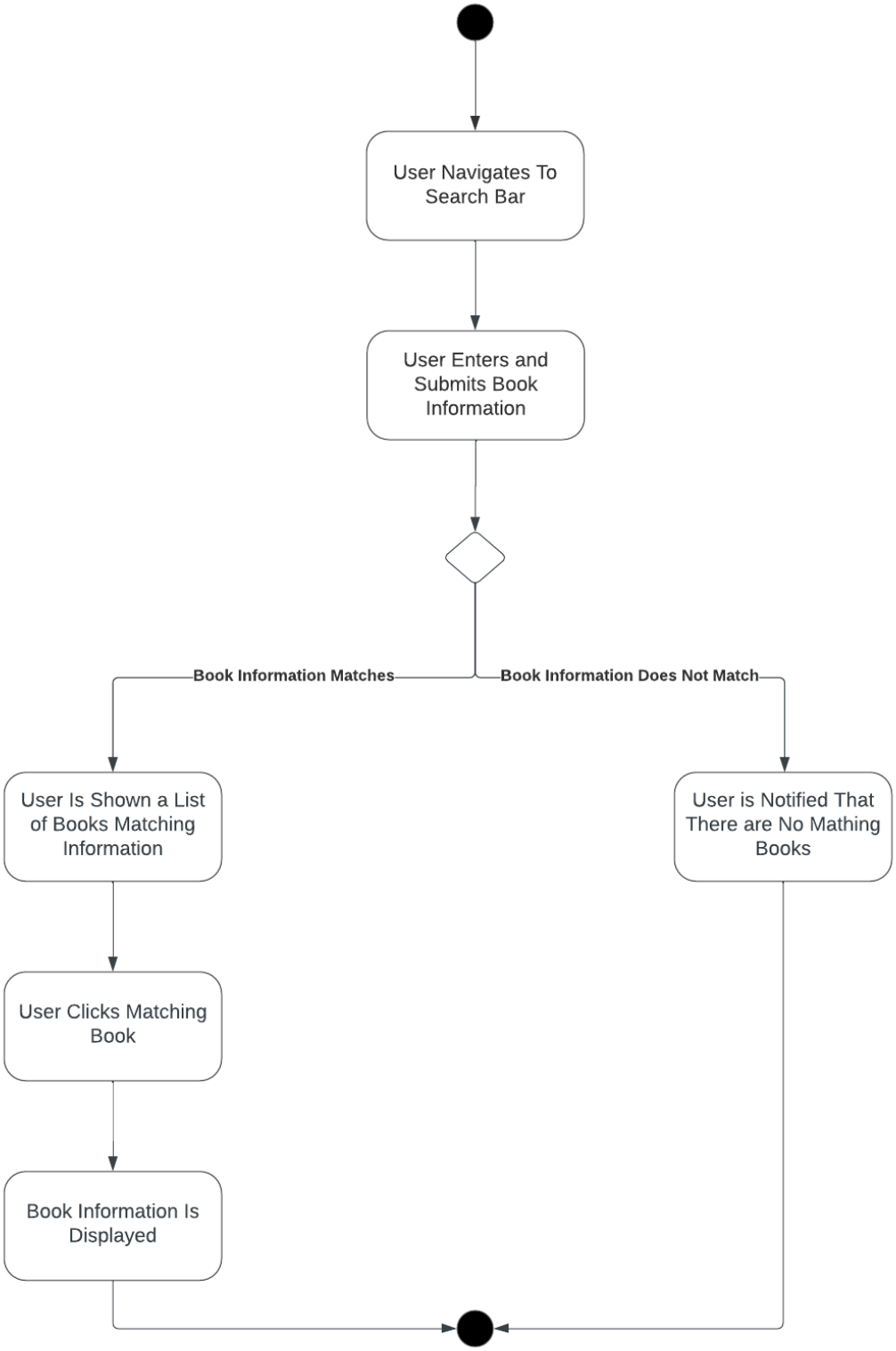
Login Activity Diagram



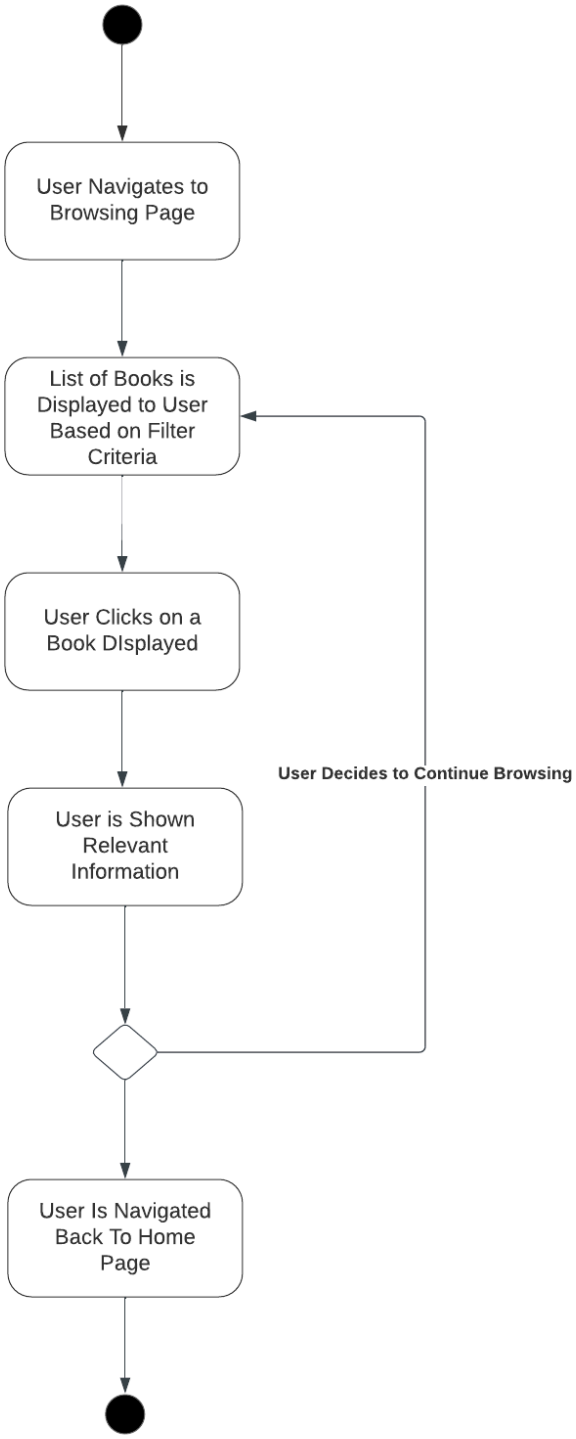
Logout Activity Diagram



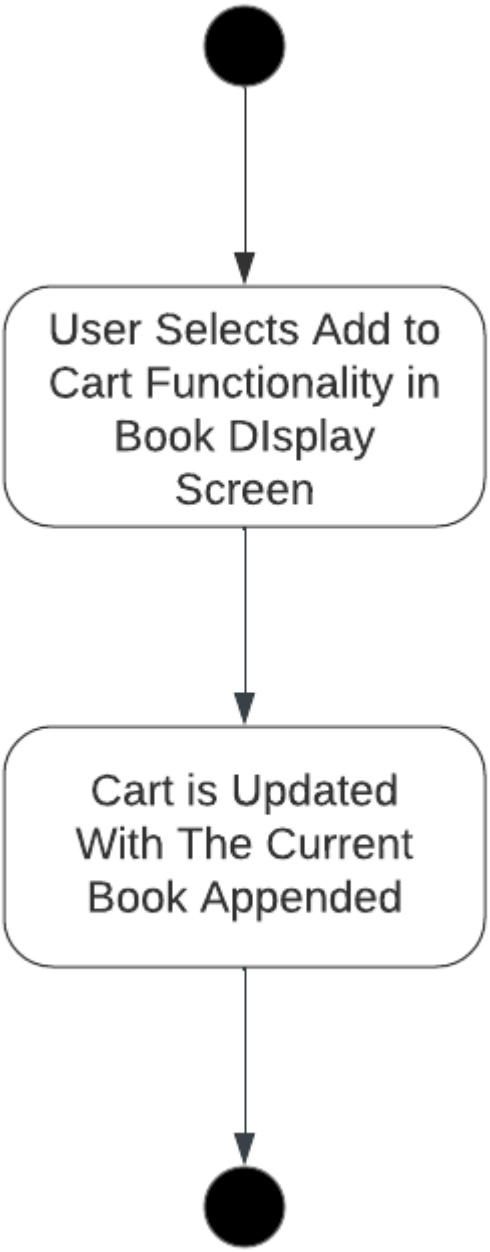
Book Search Activity Diagram



Book Browsing Activity Diagram



Adding A Book To Cart Activity Diagram



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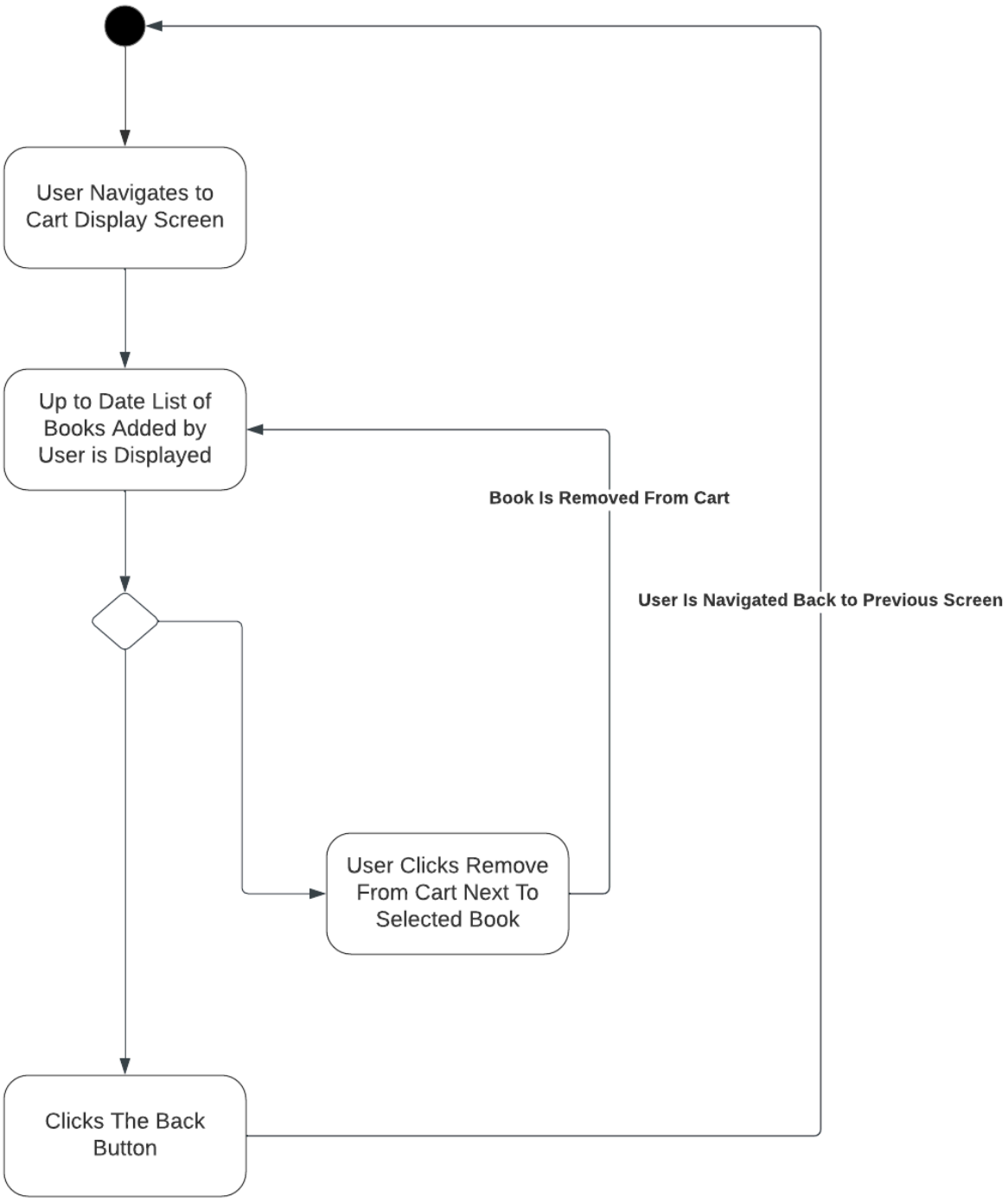
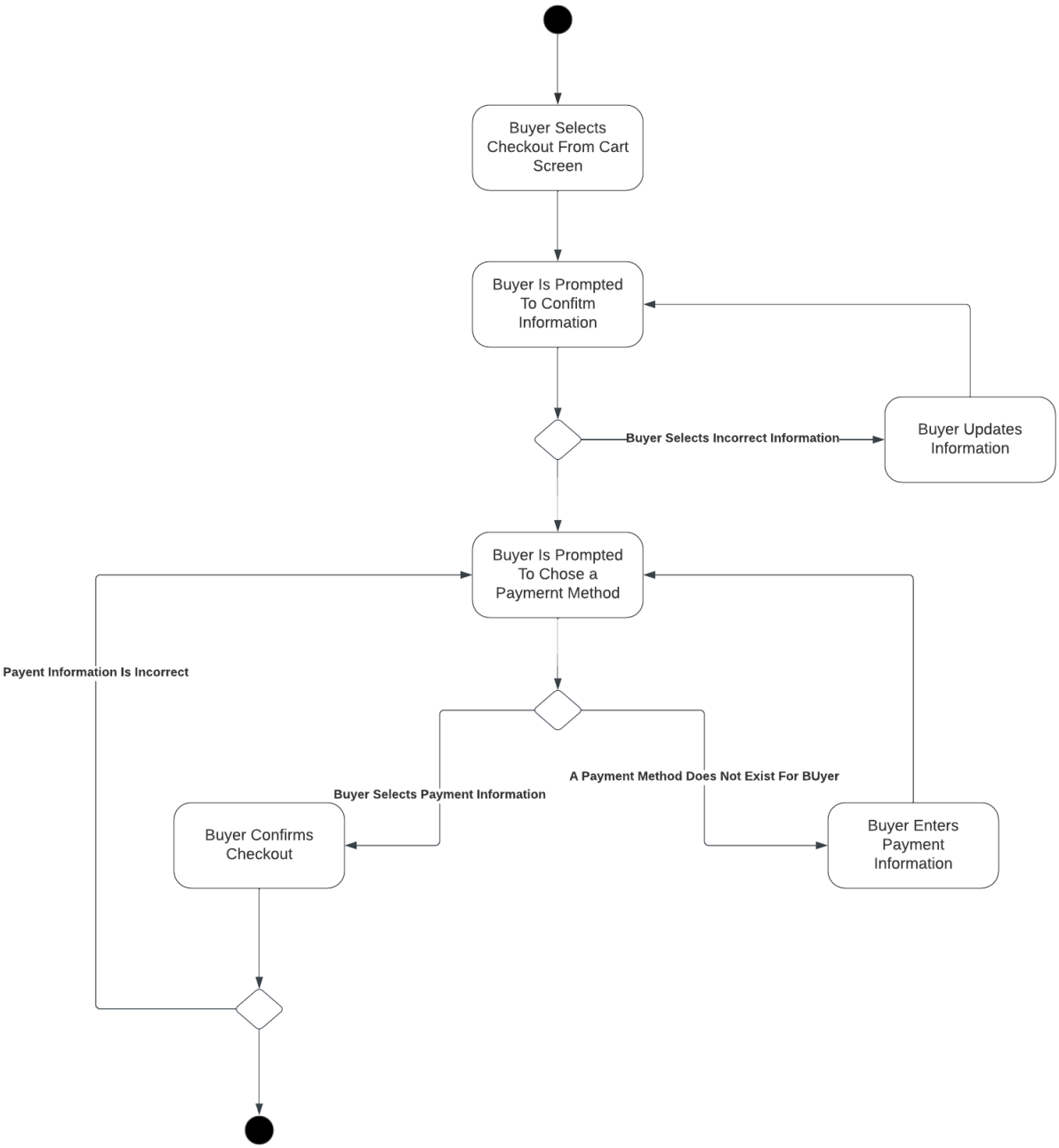
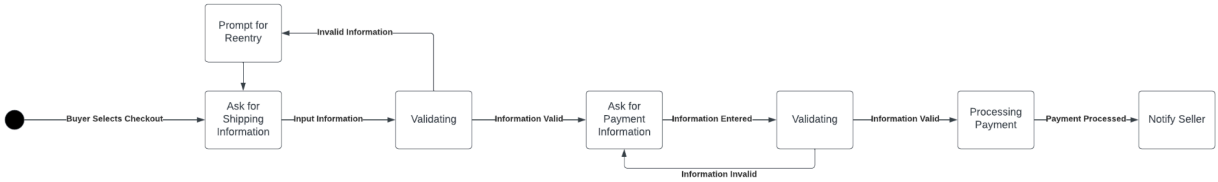
Cart Updating Activity Diagram



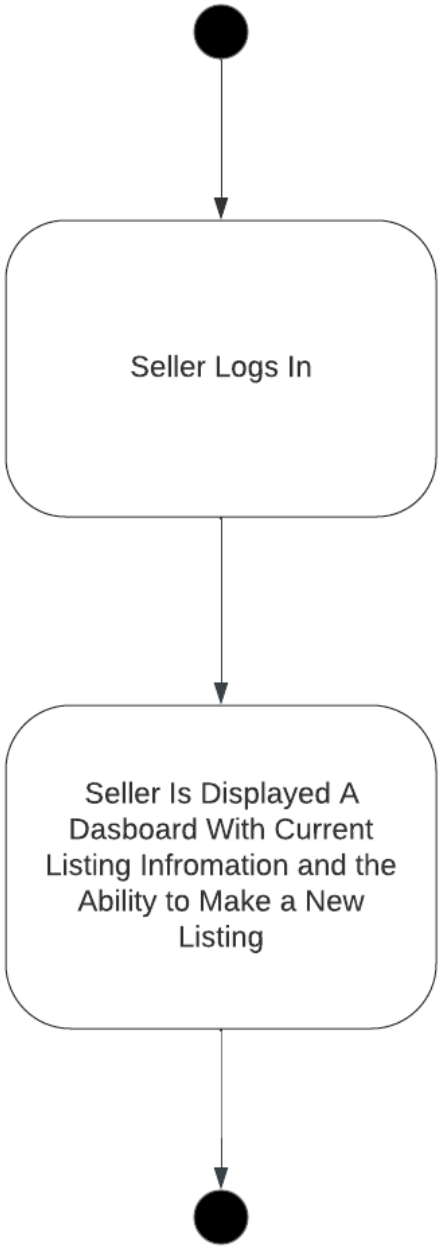
Checkout Activity Diagram



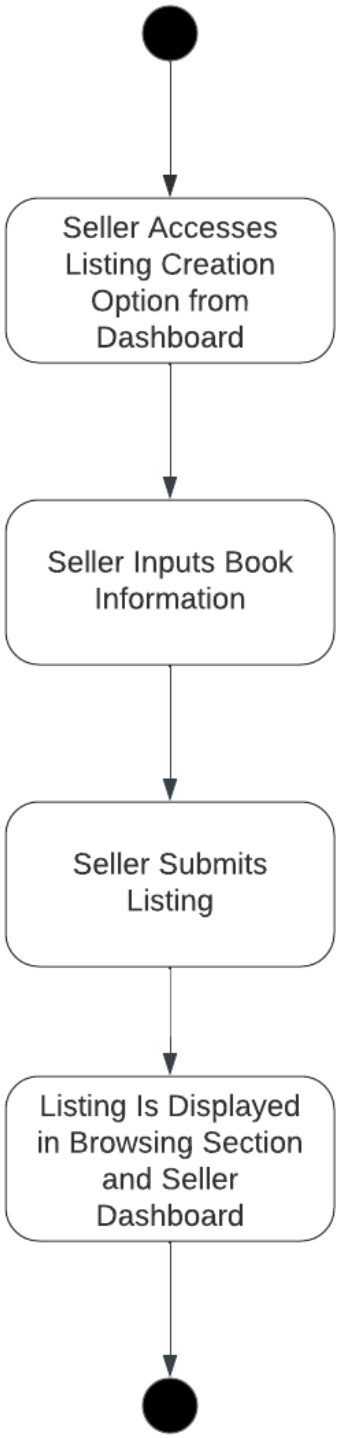
Checkout State Diagram



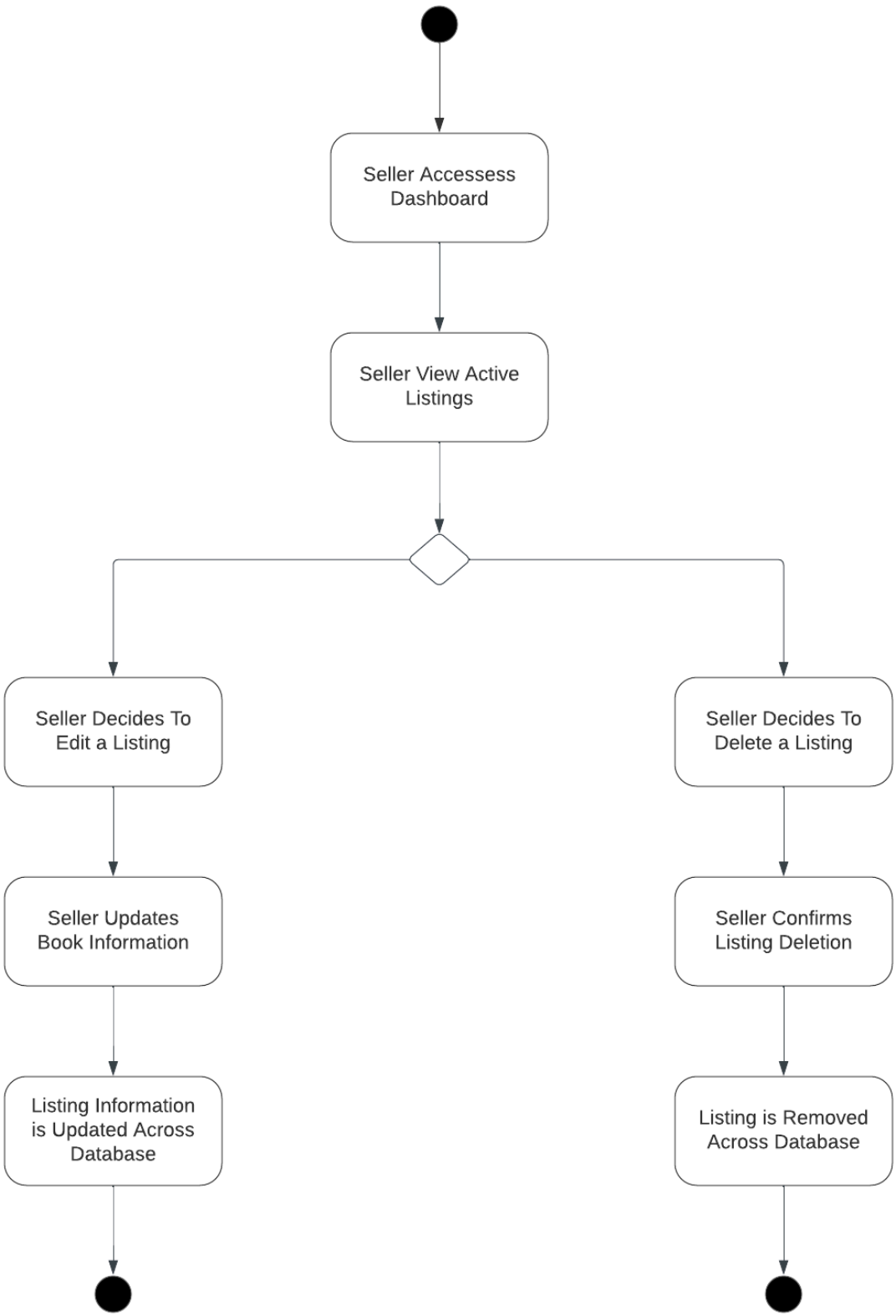
Seller Dashboard Activity Diagram



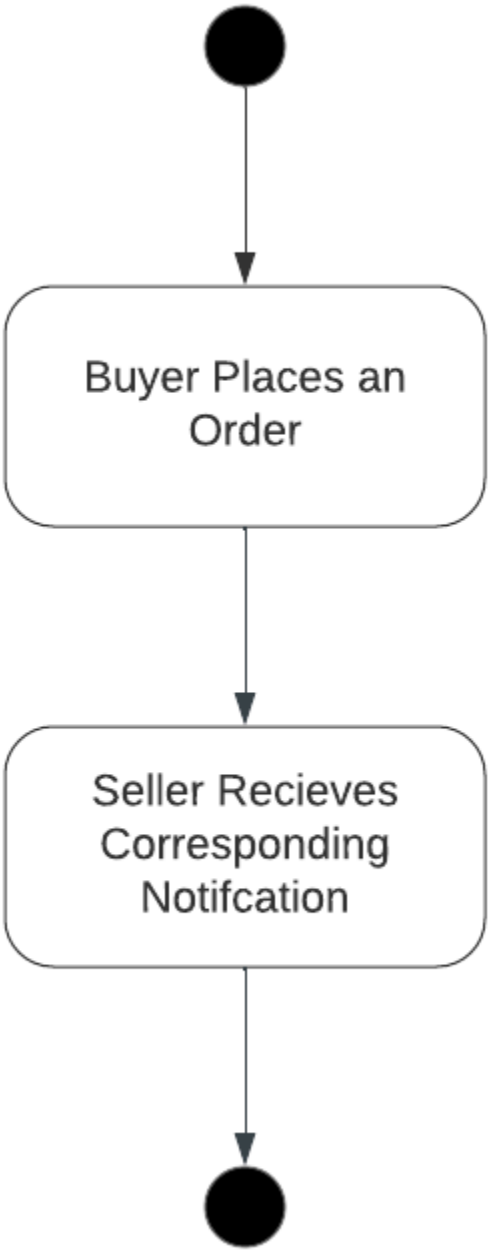
Create a Listing Activity Diagram



Listing Management Activity Diagram

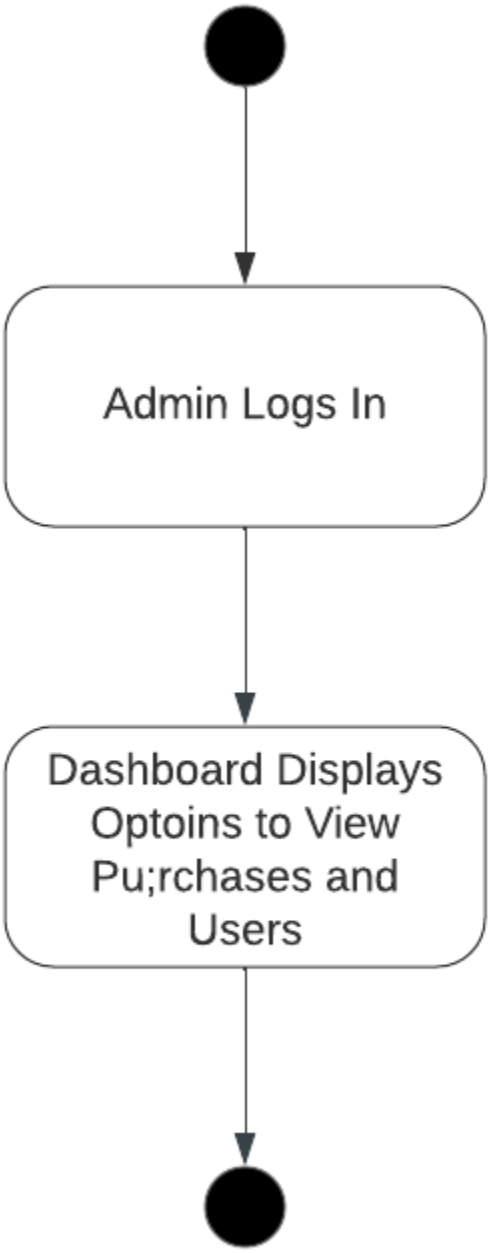


Listing Notification Activity Diagram

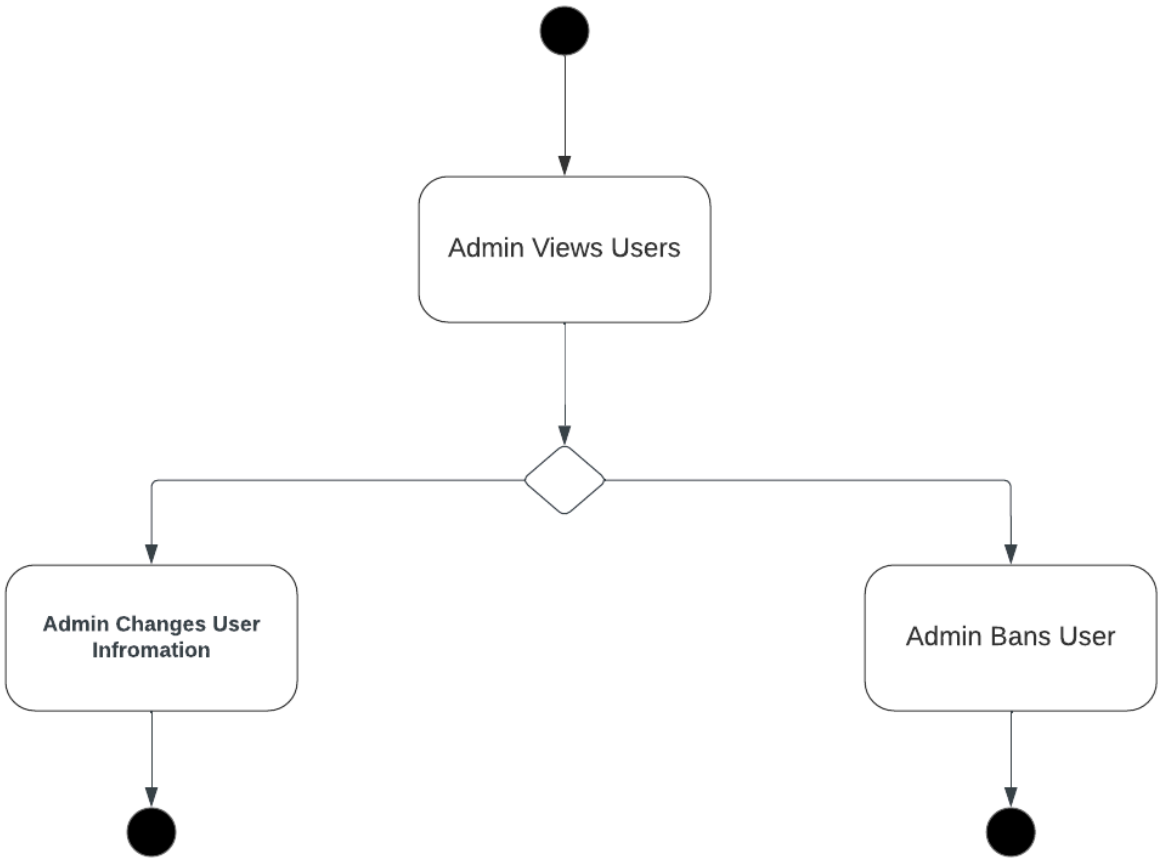


Payment Activity Diagram

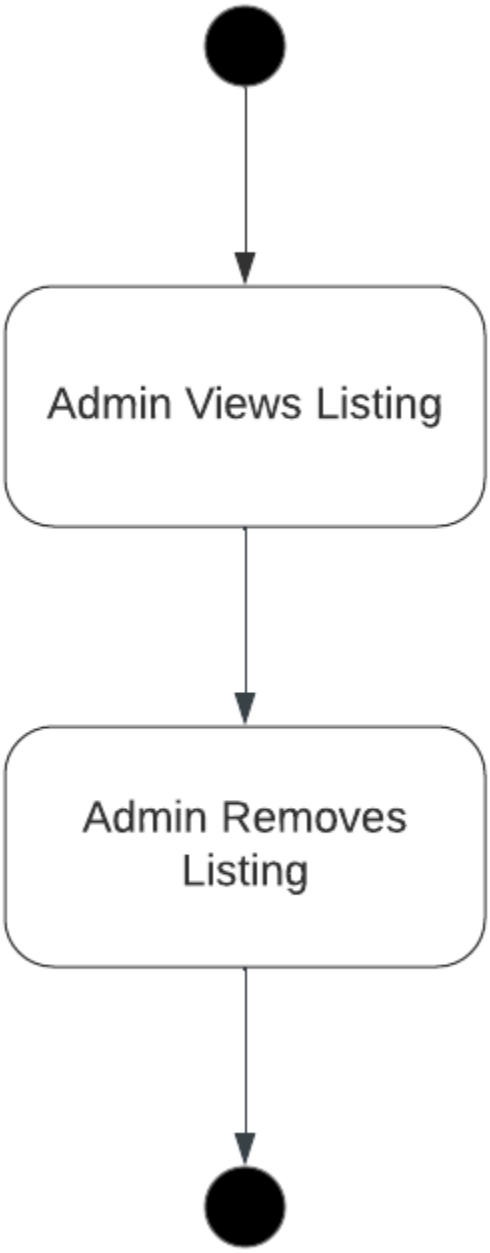
Admin Dashboard Activity Diagram



Admin Ban Users Activity Diagram

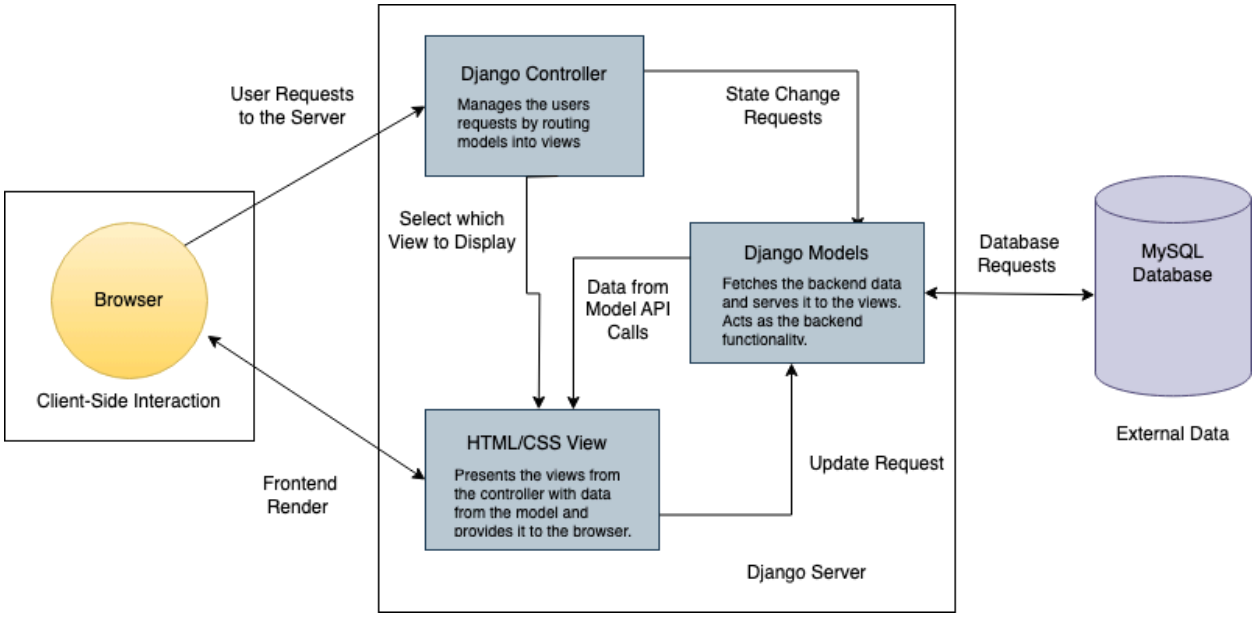


Admin Remove Listing Activity Diagram



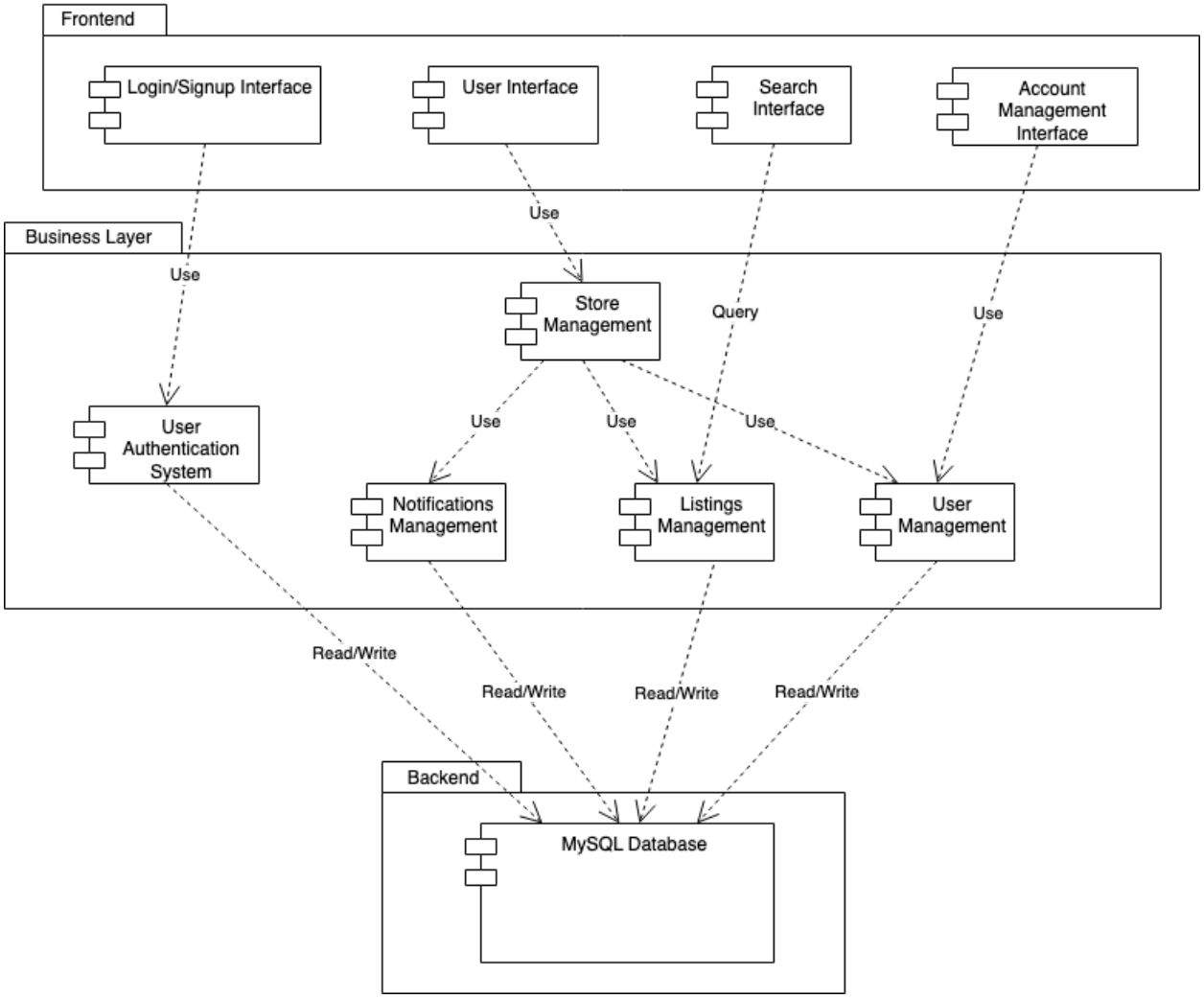
Architectural Design Diagram

Model View Controller Architecture Diagram

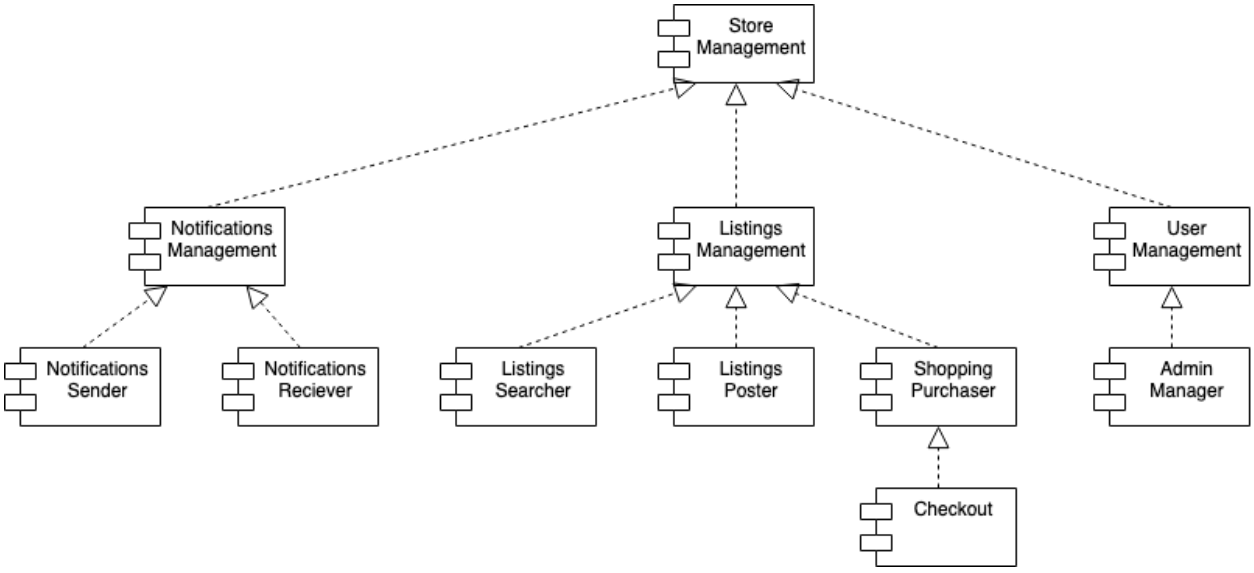


Component Level Diagrams

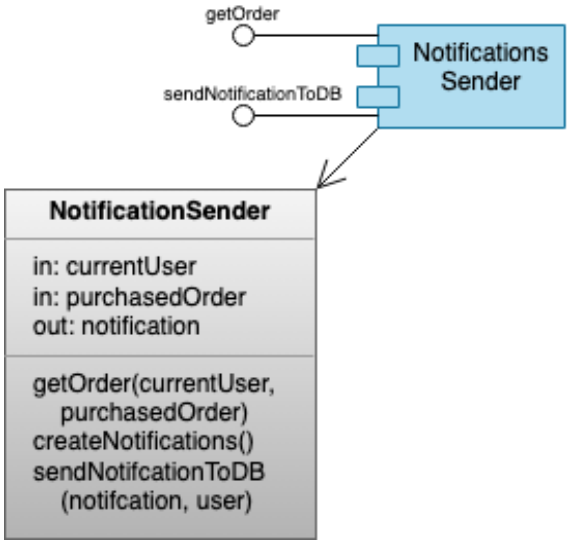
Top Level Components Diagram

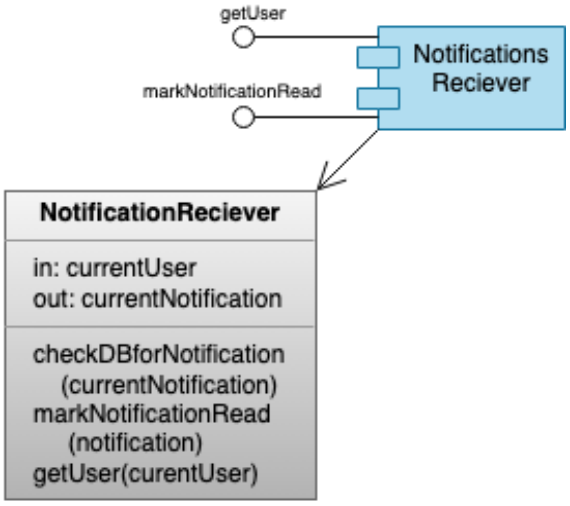


Expanded Component Diagrams

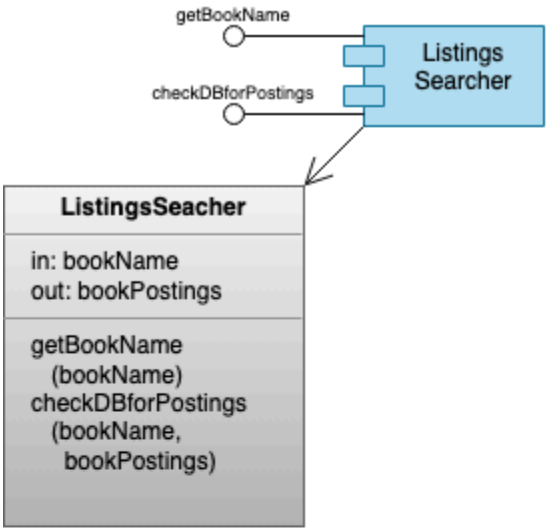


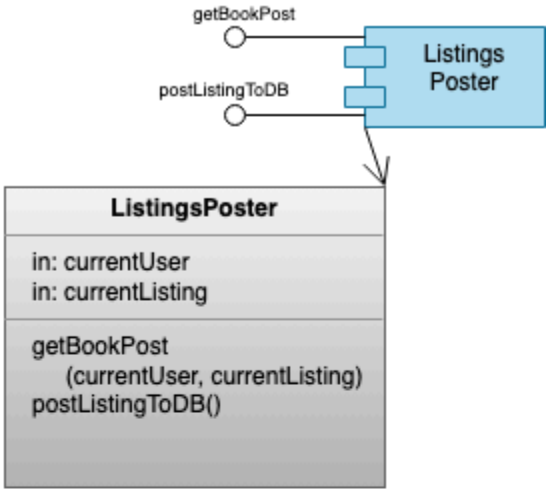
Notifications Management Components

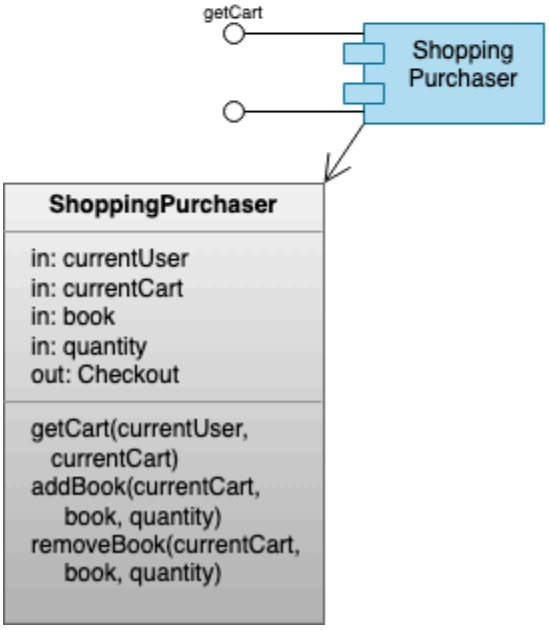


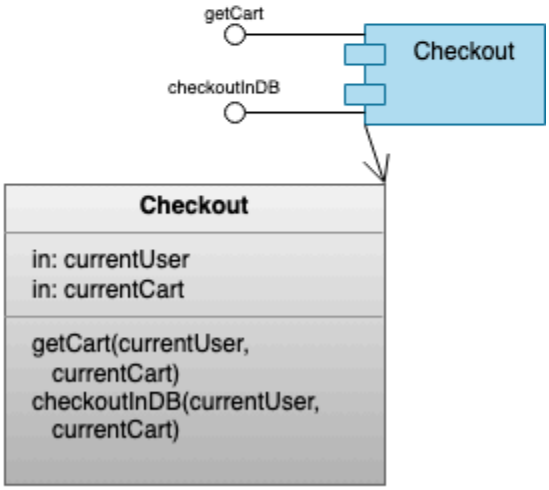
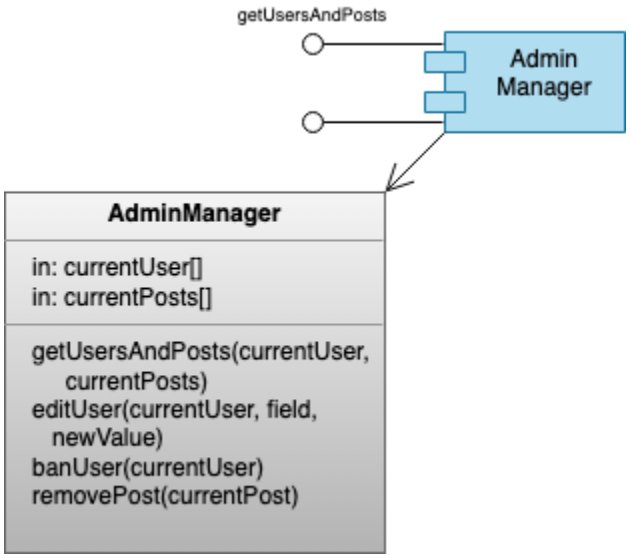


Listings Management Components









Users Management Components