| **Class** | **Main Responsibility** |
| --- | --- |
| **OrderService** | Manages the order processing flow, delegates tasks to subsystem components |
| **OrderRepository** | Stores order information into the database management system |
| **PaymentService** | Handles payment processing (integrates with VNPay or other payment systems) |
| **InventoryService** | Checks and reserves inventory stock |
| **OrderValidator** | Validates input order data for correctness |