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Medium

 Search Write

project-root/

```

├── application/
│   ├── ports/
│   │   ├── inbound/
│   │   │   └── // Contains interfaces that define the entry points to the application. These ports are used by external
│   │   │       agents interacting with the application, such as user interfaces or REST API requests.
│   │   └── outbound/
│   │       └── // Defines interfaces for external services that the application needs to consume, such as databases or
│   │           external REST services. These ports help decouple the business logic from the implementation details of
│   │               accessing external resources.
│   └── services/
│       └── // Implements the application logic coordinating activities between the ports and the domain. Application
│           services play a crucial role in orchestrating domain operations, executing business logic, and acting as a bridge
│               between the domain and infrastructure adapters.
├── domain/
│   ├── exceptions/
│   │   └── // Defines specific domain exceptions that can be thrown by the business logic.
│   ├── entities/
│   │   └── // Contains the domain entities that encapsulate critical business logic and data.
│   └── other domain folders/
│       └── // May include value objects, aggregates, domain events, etc., which are fundamental to the business
│           logic and domain rules.
├── infrastructure/
├── adapters/
│   ├── inbound/
│   │   ├── rest/
│   │   │   └── // Implements adapters for web interfaces, handling incoming HTTP requests and transforming
│   │   │       them into calls to the appropriate inbound ports.
│   │   ├── tasks/
│   │   │   └── // For scheduled tasks that perform periodic operations within the application.
│   │   ├── events/
│   │   │   └── // Manages the capture and processing of system events or integration events with other systems.
│   └── outbound/
│       └── persistence/
│           └── // Implements data persistence, for example, using JPA to interact with databases, encapsulating all
│               data access logic.
├── rest/
│   └── // Contains the adapters needed to make calls to external APIs, encapsulating the logic of how to interact
│       with other web services.
└── configuration/
    └── // Specific configurations of the framework and infrastructure, such as security settings, Spring beans
        configuration, etc.

```