

# Schema Layer Overview

## Schema Layer Overview

The Schema Layer manages the schema-related operations within the application. This layer ensures that data conforms to expected formats and structures, facilitating validation, transformation, and consistency.

Key Components:

1. **Schema.Api**:

- Handles HTTP requests for schema management.
- Exposes endpoints for schema validation and transformation.

2. **Schema.Application**:

- Contains business logic for managing schemas.
- Implements validation and transformation operations to ensure data integrity.

3. **Schema.Persistence**:

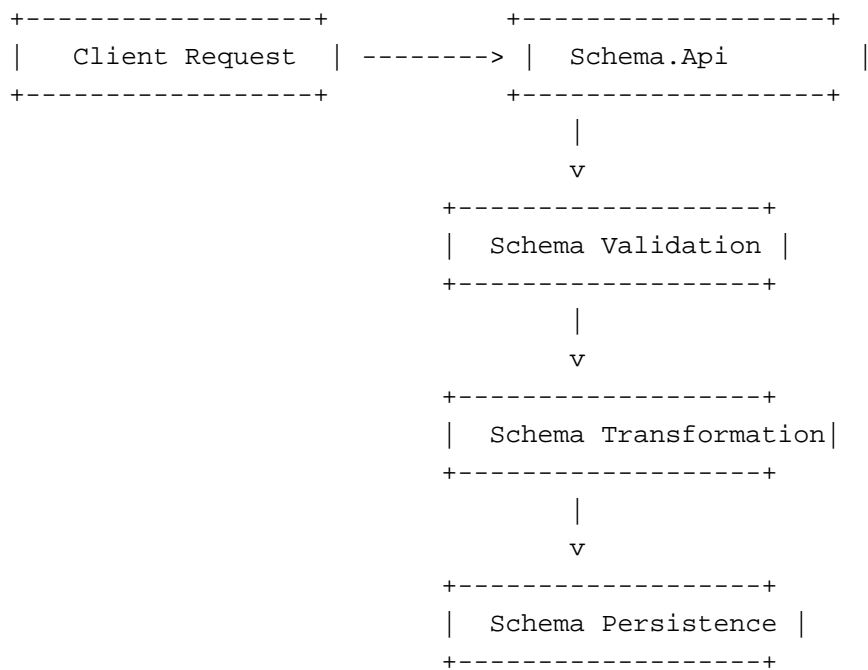
- Manages the persistence of schema definitions and related data.
- Implements repositories and data access objects (DAOs) for schema management.

Design Patterns:

- **Repository Pattern**: Manages data persistence and retrieval for schema objects.
- **Controller Pattern**: Manages API endpoints and orchestrates business logic.

ASCII Diagram:

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**Q: What is the role of the Schema Layer?**

A: The Schema Layer manages schema-related operations, including validation, transformation, and persistence of schema definitions.

**Q: How does the Schema Layer ensure data integrity?**

A: The layer validates and transforms data according to predefined schema rules, ensuring that data conforms to expected formats and structures.

**Q: What design patterns are used in the Schema Layer?**

A: The Repository pattern manages schema persistence, while the Controller pattern handles API endpoints.