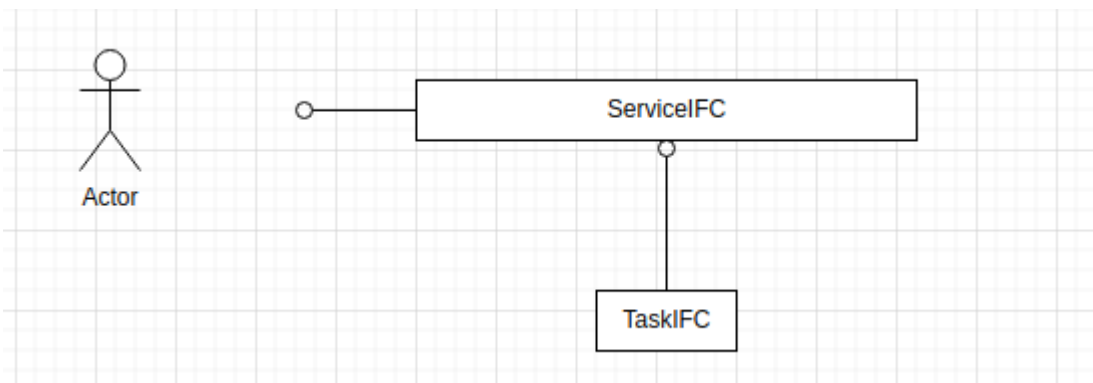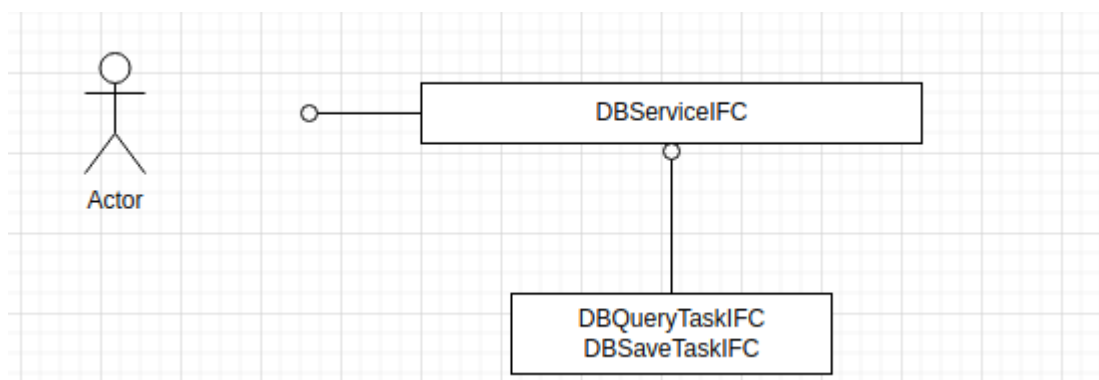# ServaFrame Design Overview

Conceptual Framework

In servaframe, actions can be categorized into two distinct dimensions: non-business logic and business logic.

- **Non-business Logic:** This dimension is managed by the Service component, which handles infrastructure-level tasks such as database connectivity, transaction management, and resource allocation.
- **Business Logic:** This dimension is handled by the Task component, which implements the core business processes and logic specific to the application's functionality.

Component Responsibilities

- **Service:** The Service component is responsible for non-business logic tasks. For instance, DBService handles database connectivity, establishing a connection to the database, and managing the lifecycle of this connection (including commit, rollback, and closure operations).

- **Task:** The Task component provides a callback interface to the Service and is responsible for executing business logic. There are two types Task:

  - **DBQueryTask:** Responsible for business which only needs to retrieve data from the database.
  - **DBSaveTask:** Responsible for business which might save data to the database.

DBQueryTask/DBSaveTask will be injected an instance of **DBConnection** by DBService.

By delineating responsibilities between the Service and Task components, the server framework ensures a clear separation between infrastructure management and business logic execution, leading to a more maintainable and scalable system architecture.