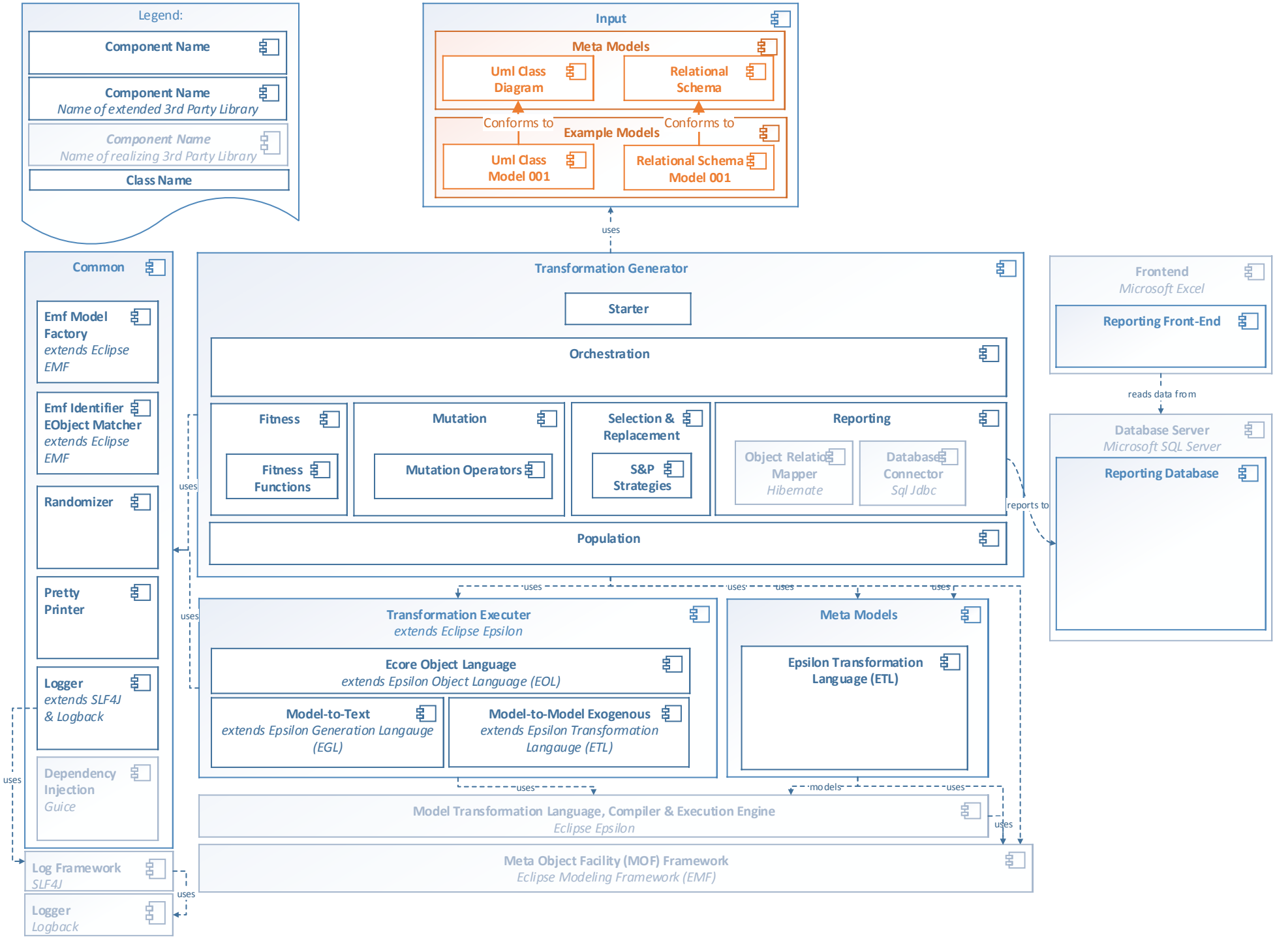
Legend:
Component Name
Component Name
Name of extended 3rd Party Library
Component Name
Name of realizing 3rd Party Library
Class Name
Input
Meta Models
Uml Class Diagram
Relational Schema
Conforms to
Conforms to
Example Models
Uml Class Model 001
Relational Schema Model 001
uses
Common
Emf Model Factory
extends Eclipse EMF
Emf Identifier EObject Matcher
extends Eclipse EMF
Randomizer
Pretty Printer
Logger
extends SLF4J & Logback
Dependency Injection
Guice
uses
Log Framework
SLF4J
Logger
Logback
uses
Transformation Generator
Starter
Orchestration
Fitness
Fitness Functions
Mutation
Mutation Operators
Selection & Replacement
S&P Strategies
Reporting
Object Relatio Mapper
Hibernate
Database Connector
Sql Jdbc
Population
uses
reports to
Frontend
Microsoft Excel
Reporting Front-End
reads data from
Database Server
Microsoft SQL Server
Reporting Database
uses
uses
uses
uses
uses
Transformation Executer
extends Eclipse Epsilon
Ecore Object Language
extends Epsilon Object Language (EOL)
Model-to-Text
extends Epsilon Generation Langauge (EGL)
Model-to-Model Exogenous
extends Epsilon Transformation Langauge (ETL)
Meta Models
Epsilon Transformation Language (ETL)
uses
models
uses
Model Transformation Language, Compiler & Execution Engine
Eclipse Epsilon
uses
Meta Object Facility (MOF) Framework
Eclipse Modeling Framework (EMF)