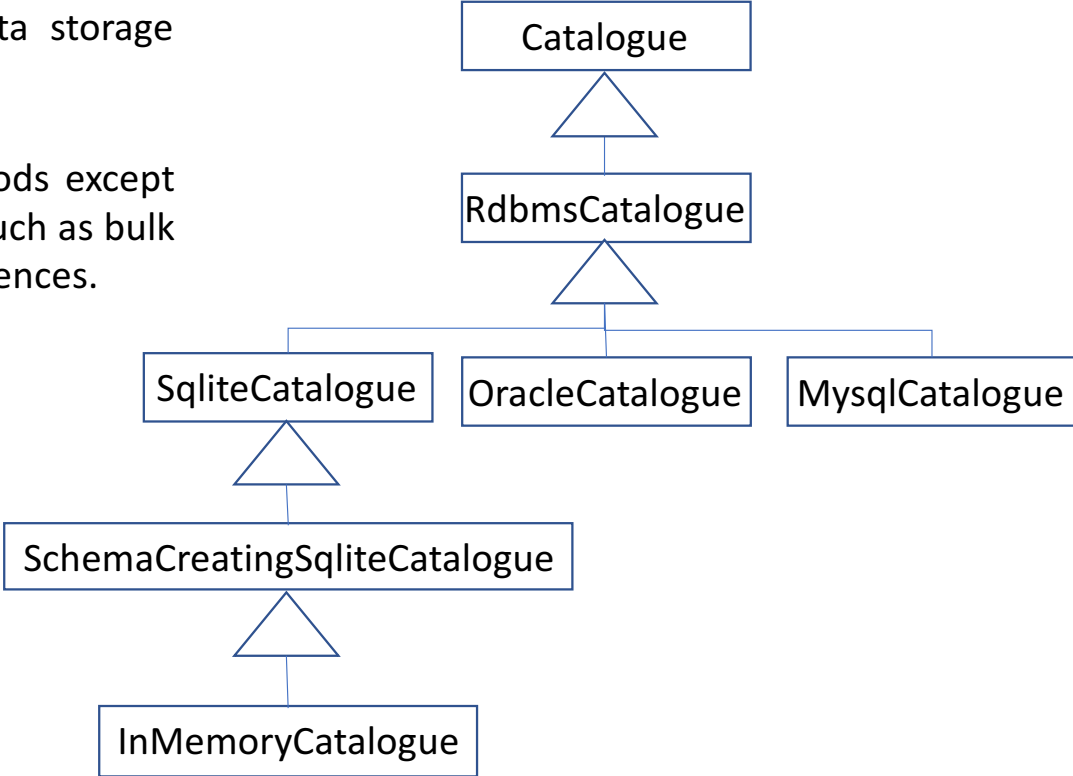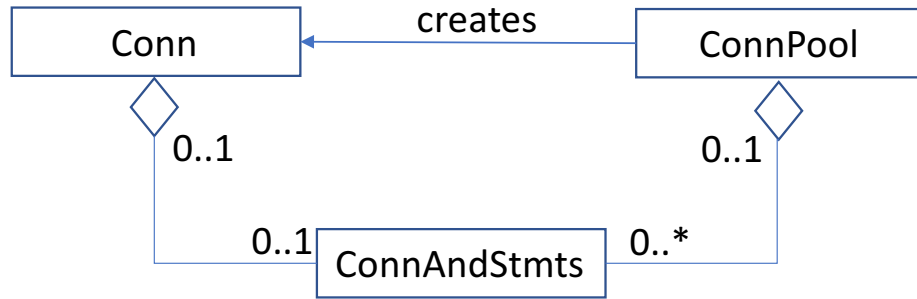The Catalogue class is an abstract interface class which facilitates the ability to implement the CTA catalogue using backend data storage technologies other than relational databases.

The RdbmsCatalogue implements of all the Catalogue methods except for those that require database vendor specific API accesses such as bulk inserts or database vendor specific SQL such as database sequences.
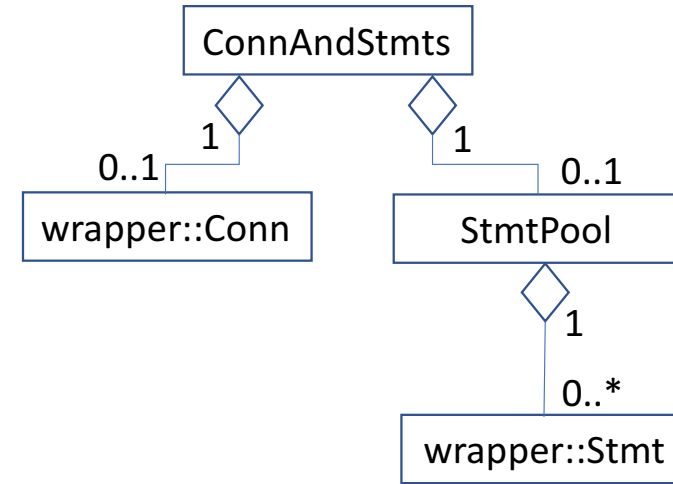
InMemoryCatalogue objects are different to other RdbmsCatalogue objects that connect to external databases because InMemoryCatalogue objects create the database schema when they are first instantiated.

Catalogue

RdbmsCatalogue

SqliteCatalogue   OracleCatalogue   MysqlCatalogue

SchemaCreatingSqliteCatalogue

InMemoryCatalogue

ConnAndStmt objects contain the "real" data database resources. Conn objects temporarily own these "real" database resources and give them back to the corresponding ConnPool object when they go out of scope.

ConnAndStmt objects group database connections together with their prepared statements. This is facilitates the requirement of needing to delete/release a database connection's prepared statements before the connection itself is deleted/released.

The wrapper::Conn, wrapper::Stmt and wrapper::Rset classes are extended in order to provide support for different relation database management systems.