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1) Use Hibernate instead of the JDBC to access the database.

    Hibernate is an ORM framework. So we can manipulate the database in a Object-Oriented way. We don't even have to care about creating the database. Nor do we need to the JDBC details such as the connection. We don't need to write code to get every field value from the domain object and pass them to the PreparedStatement object as SQL parameter mannully. It is also good for further extension

2) Use Hsqldb as the database server so we can embedded the database server into the project. Anyone who wants to run the project won't bother to set the database server.

3) Use jetty as the web server so that it can be embedded to the project. One don't even have to set up the web server to run the project.

4) Refactor the merge engine and try to decouple it from the XMI files

5) Add metrics for multiplicity and association to score diagram.

6) The previous work only compare, score and merge the class diagram, we can try to deal with other types of diagrams such as sequence diagram. And try to come up with the algorithm for scoring sequence diagram