

Object Relation Framework For C++

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1 Personal Contribution To This Project:

My personal contribution to this project is following:-

1. ***Implementation of One to One Mapping:*** Maps C++ classes to the relational database table and C++ data type to SQL data type. The mapping would be in one to one relationship among the tables. It can be unidirectional as well as bidirectional.
2. ***Implementation of One to Many Mapping:*** Maps C++ classes to the relational database table and C++ data type to SQL data type. The mapping would be in one to many relationship among the tables. It can be unidirectional as well as bidirectional.
3. ***Implementation Many to One Mapping:*** Maps C++ classes to the relational database table and C++ data type to SQL data type. The mapping would be in many to one relationship among the tables. It can be unidirectional as well as bidirectional.
4. ***Implementation of Many to Many Mapping:*** Maps C++ classes to the relational database table and C++ data type to SQL data type. The mapping would be in many to many relationship among the tables. It can be unidirectional as well as bidirectional.
5. ***Implementation of Inheritance Mapping:*** We can use different mapping strategies for different branches of the same inheritance hierarchy. It can be used for implicit polymorphism to achieve polymorphism across the whole hierarchy. It is possible to mix together the table per hierarchy and table per subclass strategies. But we have implemented only table per class hierarchy.
6. ***Integration And Final Touch:*** All codes were integrated by me.

2 Top 2 Takeaways From This Project

1. I got acquainted with C++ programming language to do this project. Even we have used advance C++ in this project like Run time type information.
2. I have learned about how to deal with objects of the class dynamically and how to convert objects into rows and rows into objects of relational tables.

3 Interested in taking forward this project:

In this project we have implemented small part of hibernate which is in java. So it would be great to implement it like whole functionality of hibernate in java. So yes,I am interested.