## OneToOne with foreign key on owner’s table

|  |  |  |
| --- | --- | --- |
| N0 | Steps | Description |
| 1 | Database | I used an oracle database and provided the configuration on the file in src>main>resources> hibernate.cfg.xml |
| 2 | Dependencie | You need to set in your PATH  C:\tools\gradle-7.5.1  More: <https://docs.gradle.org/7.5.1/release-notes.html> |
| 3 | Java | C:\Program Files\Java\jdk-18.0.2  This is because I played with hibernate-core and hibernate-common-annotations  // https://mavenlibs.com/maven/pom/org.hibernate/hibernate-core  implementation( 'org.hibernate:hibernate-core:6.1.2.Final')  // https://mvnrepository.com/artifact/org.hibernate.common/hibernate-commons-annotations |
| 4 | Eclipse project | Run gradle.bat eclipse. The dependencies should get sorted, except for ojdbc8.jar oracle library that is referred in build.gradle:  implementation( files("C:\\thirdparty\\ojdbc8.jar")) |
| 5 | Launch the junit test via eclipse | Using 1 run configuration: oliviaproject.hibernate.foreignkey.HibernateForeignKeyTest  Graphical user interface, text, application, email  Description automatically generated  Graphical user interface, text, application  Description automatically generated |
| 6 | Result |  |
| 7 | You may need to reinitialize | As I check for unicity of username.  drop table foreignkeyusername cascade constraints;  drop table foreignkeychessboardpreference cascade constraints;  see database-schema.sql |

## OneToOne with Jointable

|  |  |  |
| --- | --- | --- |
| N0 | Steps | Description |
| 1 | Run with | oliviaproject.hibernate.jointable.HibernateJoinTableTest |
| 2 | You may need to reinitialize | Reinitialisation with @OneToOne jointable:  drop table jointableusername cascade constraints;  drop table jointablechessboardpreference cascade constraints;  drop table USERNAME\_CHESSBOARDPREFERENCE cascade constraints;  see database-schema.sql |
| 3 | jointableusername |  |
| 4 | jointablechessboardpreference |  |
| 5 | JOINTABLE\_USERNAME\_CHESSBOARDPREFERENCE | So the join table makes the links between the 2 other tables. |

## OneToOne Using a Shared Primary Key

The third technique is something new that uses a shared key in both table

|  |  |  |
| --- | --- | --- |
| N0 | Steps | Description |
| 1 | Debug configuration | HibernateSharedKeyTest |
| 2 | Reinitialization | drop table sharedkeyusername cascade constraints;  drop table sharedkeychessboardpreference cascade constraints; |
| 3 | sharedkeyusername |  |
| 4 | sharedkeychessboardpreference |  |