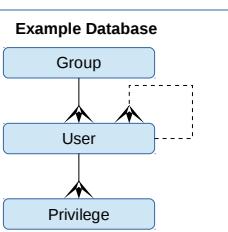


HotRod MyBatis Cheat Sheet

Select by PK	Select by Example	Custom & Native SQL Select	Custom & Native SQL Query
UserDAO u = UserDAO.select(17); <i>Available on tables with a PK.</i>	UserDAO example = new UserDAO(); example.setState(1); // Get active users List<UserDAO> users = UserDAO. selectByExample(example); <i>Available on tables and views.</i>	// Get all privileges set by a user for all // active users on a specific user group. ● In HotRod's configuration file: <select java-class-name="ActivePrivilege"> select u.uid, u.username, p.* from privilege p join user u on (u.id) = (p.user_id) { where u.state = 1 and u.group = #[group.javaType=java.lang.Long} and p.created_by = #[createdBy.javaType=java.lang.Long} } </select>	// Move all users without privileges to a // specific user group ● In HotRod's configuration file: <table name="user"> ... <query java-method-name= "moveUnprivilegedUsers"> update user u set group = #[group.javaType=java.lang.Long} where u.id not in (select id from privilege p where p.user_id = id) </query> </select> ● In the java application: UserDAO.moveUnprivilegedUsers(1041); Adds a new method to a DAO class. Can be added to any <table>, <view> and/or <dao> tags. Complex SQL, native SQL, and dynamic SQL can be used.
Insert	Select by Example, with Order		
UserDAO u = new UserDAO(); u.setUsername("jsmith"); u.setFirstName("John"); u.setLastName("Smith"); u.setGroupId(101); u.setState(1); u.insert(); <i>Available on all tables.</i>	UserDAO example = new UserDAO(); example.setState(1); // Get active users List<UserDAO> users = UserDAO. selectByExample(example, UserOrderBy.LAST_NAME, UserOrderBy.FIRST_NAME); <i>Available on tables and views.</i>		
Update by PK	Update by Example		
UserDAO u = UserDAO.select(17); u.setFirstName("Jamie"); u.update(); <i>Available on tables with a PK.</i>	// Deactivate all active users of group 78 UserDAO example = new UserDAO(); example.setState(1); // active example.setGroup(78); UserDAO newValues = new UserDAO(); newValues.setState(0); // inactive UserDAO.updateByExample(example, newValues); <i>Available on all tables.</i>		
Delete by PK	Delete by Example	Create a new DAO java class.	Select Sequence Value
UserDAO u = new UserDAO(); u.setId(17); u.delete(); <i>Available on tables with a PK.</i>	// Delete all inactive users UserDAO example = new UserDAO(); example.setState(0); // inactive UserDAO.deleteByExample(example); <i>Available on all tables.</i>	Complex, native, and/or dynamic SQL selects can be used. Specified parameters make up the list of method parameters. Available on all selects specified in the config file.	// Get the value of sequence user_seq ● In HotRod's configuration file: <table name="user"> ... <sequence name="user_seq" /> </table>
Auto-generated PK	Transactions	Update with Optimistic Lock	
// Sequence (e.g. Oracle) GroupDAO g = new GroupDAO(); g.setName("admin"); g.insert(); System.out.println("id=" + g.getId()); // shows the new id value	TxManager tx = null; try { tx = UserDAO.getTxManager(); tx.begin(); UserDAO u1 = UserDAO.select(12); u1.setGroup(204); u1.update(); // updates group to 204 UserDAO u2 = UserDAO.select(17); u2.setGroup(252); u2.update(); // updates group to 252 tx.commit(); } finally { // don't forget to free resources! if (tx != null) { tx.close(); } }	UserDAO u = UserDAO.select(17); // #1 u.setGroupId(102); try { u.update(); // #2 // Successfully updated } catch (StaleDataException e) { // Row had been updated/deleted by // other process between steps #1 and #2 }	
// Identity column (e.g. MySQL) GroupDAO g = new GroupDAO(); g.setName("admin"); g.insert(); System.out.println("id=" + g.getId()); // shows the new id value		<i>Available on all tables with version control specified in the config file.</i>	
// Optional identity column (DB2) GroupDAO g = new GroupDAO(); g.setId(123); // value 123 is forced! g.setName("admin"); g.insert(); System.out.println("id=" + g.getId()); // shows the value 123			
Same method in Java. Available on tables with PK auto-generation specified in the config file.			
Example Database	Select Parent Row by FK	Delete with Optimistic Lock	Dynamic SQL
	UserDAO u = UserDAO.select(17); GroupDAO g = u. selectParentGroup().byGroupId(); <i>Available on tables with imported FKS.</i>	UserDAO u = UserDAO.select(17); UserDAO creator = u. selectParentUser().byCreatedBy(); <i>Available on tables with imported reflexive FKS.</i>	// Get client orders by a dynamic criteria ● In HotRod's configuration file: <select java-class-name="ClientOrder"> <!CDATA[select c.id, c.name, o.* from client c join order o on (o.client_id) = (c.id) { <where> <if test="#{clientId.javaType=java.lang.Integer}!=null"> and c.id = #{clientId} </if> <if test="#{state.javaType=java.lang.String}!=null"> and c.state = #{state} </if> <if test="#{since.javaType=java.sql.Date}!=null"> and o.placed_at > #{since} </if> }</where> *]> </select>
	Select Children Rows by FK	Reflexive Select Parent by FK	
	UserDAO u = UserDAO.select(17); List<PrivilegeDAO> privs = u. selectChildrenPrivilege(). byUserId(); <i>Available on tables with exported FKS.</i>	UserDAO u = UserDAO.select(17); List<UserDAO> created = u. selectChildrenUser().byCreatedBy(); <i>Available on tables with exported reflexive FKS.</i>	