symfony

MODEL

Criteria/Criterion/RS

COMPARATORS	
CRITERIA	SQL
EOUAL	=
NOT EOUAL	<>
ALT_NOT_EQUAL	!=
GREATER_THAN	>
LESS_THAN	<
GREATER_EQUAL	>=
LESS_EQUAL	<=
LIKE	LIKE
NOT_LIKE	NOT LIKE
ILIKE	ILIKE
NOT_ILIKE	NOT ILIKE
CUSTOM	CUSTOM
DISTINCT	DISTINCT
IN	IN
NOT_IN	NOT IN
ALL	ALL
JOIN	JOIN
BINARY_AND	&
BINARY_OR	
ASC	ASC
DESC	DESC
ISNULL	IS NULL
ISNOTNULL	IS NOT NULL
CURRENT_DATE	CURRENT_DATE
CURRENT_TIME	CURRENT_TIME
CURRENT_TIMESTAMP	
LEFT_JOIN	LEFT JOIN
RIGHT_JOIN	RIGHT JOIN
∖INNER_JOIN	INNER JOIN

ResultSet (RS) Methods

getResource() getCursorPos() setFetchmode() getRow() getRecordCount() getFetchmode() isLowerAssocCase() close() next() get() getÄrray() previous() relative() getBoolean() getBlob() absolute() seek() getClob() first() getDate() getFloat() last() beforeFirst() getInt() afterLast() getString() isAfterLast() getTime() isBeforeFirst() getTimestamp()

E.g. (criteria):

\$c = new Criteria();

\$c->clearSelectColumns();

\$c->addSelectColumn(userPeer::ID);

\$c->addSelectColumn(userPeer::USERNAME);

\$c->add(userPeer::USERNAME, "\${username}%",

\$c->setLimit(5);

\$c->setIgnoreCase(true);

\$rs = userPeer::doSelectRS(\$c);

while(\$rs->next()){

\$users[\$rs->getInt(1)] = \$rs->getString(2);

E.a. (SQL):

\$con=Propel::getConnection(DATABASE_NAME); \$sql="SELECT books.* FROM books WHERE NOT EXISTS (SELECT id FROM review WHERE book_id = book.id)";

\$stm = \$con->createStatement(); \$rs=\$stm->executeQuery(\$sql, ResultSet::FETCHMODE_NUM);

CRITERIA

To find records, use a Criteria object in conjunction with one of the Peer's methods: $doSelect(), \, doSelectOne(), \, doSelectJoinXXX() \, , \, doSelectJoinAll(), \, retrieveByPk() \, \\$

GETTING A SPECIFIC RECORD

retrieveByPk(<value | array>) Peer method

SINGLE PRIMARY KEYS

gets the record with primary key = 3 \$obj = BookPeer::retrieveByPK(3);

COMPOST PRIMARY KEYS

// gets the book_id=1,author_id=2 record

\$obj = BookAuthorXrefPeer::retrieveByPK(array(1,2));

Note: the order of keys is critical and must correspond to the order in which the columns are defined in the XML (schema).

GETTING ALL RECORDS

\$questions = QuestionPeer::doSelect(new Criteria());

GETTING ONE RECORD \$c = new Criteria();

\$c->add(UserPeer::NICKNAME, \$nickname);

\$user = UserPeer::doSelectOne(\$c);

SPECIFYING CONDITIONS USING COMPARATORS add(<column>, <value>, <comparator>) Criteria method

// default comparator: = // id <> 17 \$c = new Criteria(); \$c = new Criteria();

\$c->add(TableNamePeer::ID, 17); \$c->add(TableNamePeer::ID, 17, Criteria::NOT EQUAL); \$obj = TableNamePeer::doSelect(\$c);

\$c = new Criteria();

\$c->add(tableNamePeer::RATING, "rating=rating +1", Criteria::CUSTOM);

LIMIT THE NUMBER OF RECORDS RETURNED

// first 5 results

\$c = new Criteria(); \$c->setLimit(5);

addAscendingOrderByColumn(<column>) **ORDERING RECORDS** addDescendingOrderByColumn(<column>)
Criteria methods // first 10 authors, alphabetically

\$c = new Criteria();

\$c->setLimit(10):

\$c->addAscendingOrderByColumn(AuthorPeer::LAST_NAME);

// find all authors named "max", case-insensitive

\$c = new Criteria();

\$c->add(AuthorPeer::FIRST_NAME, "max");

\$c->setIgnoreCase(true);

addJoin(<column_T1>, <column_T2>, <LEFT_JOIN|RIGHT_JOIN|INNER_JOIN>)

\$c = new Criteria()

\$c->addJoin(UserPeer::ID, InterestPeer::USER_ID, Criteria::LEFT_JOIN);

\$c->add(InterestPeer::QUESTION_ID, \$this->getId());

\$obj = UserPeer::doSelect(\$c);

RETURNING SPECIFIC COLUMNS

\$c = new Criteria();

\$c->clearSelectColumns();

\$c->addSelectColumn(userPeer::ID);

\$c->addSelectColumn(userPeer::USERNAME);

\$c->add(userPeer::USERNAME, "\${username}%", Criteria::LIKE);

\$c->setLimit(5);

\$c->setIgnoreCase(true);

ADD AN ALIAS TO COLUMN (AS clause) addAsColumn(<alias>, <ALIAS(TableNamePeer::ID>)
Criteria method

\$c = new Criteria():

CRITERION

\$c->addAsColumn("numUsers", "COUNT(".UserPeer::ID.")");

Criteria Class

getIterator ()

getMap () clear ()

addAsColumn (\$name, \$clause)

getAsColumns ()

getColumnForAs (\$as) addAlias (\$alias, \$table)

getTableForAlias (\$alias)

kevs ()

doSelectOne(<object>)
Peer method

setLimit(<value>)

setIgnoreCase(<true|false>)

clearSelectColumns()
addSelectColumn(<column>)
Criteria methods

containsKey (\$column)

setUseTransaction (\$v)

isUseTransaction ()

getCriterion (\$column)

getNewCriterion (\$col, \$val, \$comp=null)

getColumnName (\$name)

getTablesColumns ()

getComparison (\$key)

getDbName ()

setDbName (\$dbName=null)

getTableName (\$name)

getValue (\$name)

get (\$key)

put (\$key, \$value)

putAll (\$t)

add (\$p1, \$value=null, \$comparison=null) addJoin (\$left, \$right, \$operator=null)

aetJoins ()

getJoinL ()

getJoinR ()

setAll()

setDistinct ()

setIgnoreCase (\$b)

isIgnoreCase ()

setSingleRecord (\$b)

isSingleRecord () setLimit (\$limit)

getLimit ()

setOffset (\$offset)

getOffset ()

addSelectColumn (\$name)

getSelectColumns ()

clearSelectColumns ()

getSelectModifiers ()

addGroupByColumn (\$groupBy)

addAscendingOrderByColumn (\$name)

addDescendingOrderByColumn (\$name)

getOrderByColumns ()

clearOrderByColumns ()

clearGroupByColumns ()

getGroupByColumns () getHaving ()

remove (\$key)

toString ()

size ()

equals (\$crit) addHaving (Criterion \$having) addAnd (\$p1, \$p2=null, \$p3=null)

addOr (\$p1, \$p2=null, \$p3=null)

http://propel.phpdb.org

http://creole.phpdb.org creole reference

http://propel.jondh.me.uk

NOTE 1: Propel stores criteria in a

hashtable, for performance reasons.

NOTE 2: some of the examples came from

the Criteria Class Reference on the Propel

online tool for convert pseudo-SQL

propel reference

USEFUL LINKS

addOr(<condition>)

addAnd(<condition>)

getNewCriterion(<column>, <value>, <comparator>) Criteria method

SPECIFYING MULTIPLE CONDITIONS FOR A COLUMN

\$c = new Criteria();

\$criterion = \$c->getNewCriterion(AuthorPeer::FIRST_NAME, "Leo%", Criteria::LIKE); \$criterion->addOr(\$c->getNewCriterion(AuthorPeer::FIRST_NAME, "Leonardo", Criteria::NOT_EQUAL));

COMBINING CRITERIA OBJECTS

combine Criterion objects in order to specify logical relationships between clauses

\$c->add(\$criterion):

\$cton1 = \$c->getNewCriterion(AuthorPeer::FIRST_NAME, "Leo");

\$cton2 = \$c->getNewCriterion(AuthorPeer::LAST_NAME, array("Tolstoy", "Dostoevsky", "Bakhtin"), Criteria::IN);

\$cton1->addOr(\$cton2); // combine them \$c->add(\$cton1); // add to Criteria

http://andreiabohner.wordpress.com

// Find all authors with first name "Leo" OR last name of "Tolstoy", "Dostoevsky", or "Bakhtin"

website This cheat-sheet is not an official part of the symfony documentation

to criteria