The UserCustomField order_statement returns wrong output:

Eg:
For a user custom field named "Employee Code" (type string) the order statement is returned as follows:

```ruby
>> UserCustomField.find_by_name("Employee Code").order_statement
=> "COALESCE((SELECT cv_sort.value FROM custom_values cv_sort WHERE cv_sort.customized_type='User' AND cv_sort.customized_id=users.id AND cv_sort.custom_field_id=1 LIMIT 1), '')"
```

Herein the value of customized_type is User, whereas in the actual database table, i.e. custom_values table, the value of customized_type for UserCustomFields is Principal (which is a superclass of User class).

For this reason, the `UserCustomField.find_by_name("Employee Code").order_statement` gives a statement which always returns empty output when used in a query.

The correct value of `UserCustomField.find_by_name("Employee Code").order_statement` should be:

```ruby
>> UserCustomField.find_by_name("Employee Code").order_statement
=> "COALESCE((SELECT cv_sort.value FROM custom_values cv_sort WHERE cv_sort.customized_type='Principal' AND cv_sort.customized_id=users.id AND cv_sort.custom_field_id=1 LIMIT 1), '')"
```

Related issues:
Related to Redmine - Feature # 1139: Being able to sort the issue list by cus... Closed 2008-04-29

Associated revisions
Revision 9880 - 2012-06-23 17:47 - Etienne Massip
Use base class name as customized type to fix UserCustomField#order_statement.

Revision 9881 - 2012-06-23 18:51 - Etienne Massip
Removed test line committed accidently (#11073).

History
#1 - 2012-06-01 15:46 - Devadatta Sahoo
- Assignee set to Jean-Philippe Lang
Rails stores the base class type (Principal) instead of the actual class type (User).

These RoR issues might be relevant:

https://rails.lighthouseapp.com/projects/8994/tickets/5617
https://github.com/rails/rails/issues/724 (continuation of lh 5617)
https://github.com/rails/rails/issues/617

### #5 - 2012-06-18 11:05 - Etienne Massip

Maybe you can try to replace self.class.customized_class.name with self.class.customized_class.base_class.name?

### #6 - 2012-06-23 17:48 - Etienne Massip

- Status changed from Confirmed to Resolved
- Assignee set to Etienne Massip
- Target version changed from Candidate for next minor release to 2.1.0
- Resolution set to Fixed

Should be fixed with r9880, thanks for the report.

I don't know if it's useful to write a test since this statement is not used in Redmine code to query User model nor where I should write it?

### #7 - 2012-07-26 18:57 - Jean-Philippe Lang

- Status changed from Resolved to Closed