Redmine - Patch #33290
Stop DB access when IssueQuery class is defined
2020-04-15 10:49 - Kevin Fischer

Description
During plugin development I found out that the definition of the Query class accesses the database just by being defined.

The reason for this is the `groupable` method in the `TimestampQueryColumn` class which tries to access the current user.

https://github.com/redmine/redmine/blob/4.1.1/app/models/query.rb#L89-L93

This method is called during the constructor (which is called in the query column definitions in the class body of IssueQuery)


Why is this a problem?
In case your database is not yet created and/or migrated, any source code which just references the IssueQuery class will raise an exception since it cannot find the database/table.

And in general I think it's not good to access the database just by defining a class.

Patch
I attached a patch which also acts as a code cleanup/refactoring. It moves the group by statement into its own method. Before the boolean property `groupable` was just redefined to contain the group by statement as well, which was confusing in the first place in my opinion.

I ran all tests locally and they passed.

Related issues:
- Related to Redmine - Feature # 2679: Ticket grouping
  Closed 2009-02-05
- Related to Redmine - Feature # 13803: Implement grouping issues by date (star...
  Closed

History
#1 - 2020-04-15 10:59 - Go MAEDA
- Related to Feature #2679: Ticket grouping added

#2 - 2020-04-15 11:40 - Kevin Fischer
This only happens from Redmine 4.1 by the way.

The commit bringing the change was r17724

#3 - 2020-04-15 14:19 - Alexander Meindl
I can confirm this problem with Redmine 4.1. It is very difficult to test plugins with the bug.
- Related to Feature #13803: Implement grouping issues by date (start, due, creation, update, closing dates) added

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<td>1.65 KB</td>
<td>2020-04-15</td>
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