

SoundSoftware Code Site - Feature #1150

some other interesting stats

2015-02-04 08:08 PM - Chris Cannam

Status:	New	Start date:	2015-02-04
Priority:	Low	Due date:	
Assignee:	Chris Cannam	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>Trying to figure out how to tell a user which projects (that they are involved in) have been committed to more recently than have had a file attached (as a release).</p> <p>This gets the basics, independent of user:</p> <pre>select distinct projects.identifier from attachments, projects, changesets, repositories where attachments.container_id = projects.id and attachments.container_type = 'Project' and changesets.repository_id = repositories.id and repositories.project_id = projects.id and changesets.committed_on > attachments.created_on;</pre>			

History

#1 - 2015-02-09 11:42 AM - Chris Cannam

This gets projects without attachments at all:

```
select distinct identifier from projects
where id not in
(select distinct projects.id from projects, attachments
where attachments.container_id = projects.id
and attachments.container_type = 'Project');
```

#2 - 2015-02-09 11:57 AM - Chris Cannam

Why am I doing this in sql at all? it would be much easier with AR. still, since I'm here:

Projects without attachments at all (revised because attachments may attach to a version) but with changesets, of which the user with the given login is a member:

```
select distinct projects.identifier from projects, changesets, repositories, members, users
where members.user_id = users.id
and users.login = 'login'
and members.project_id = projects.id
and projects.id = repositories.project_id
and changesets.repository_id = repositories.id
and projects.id not in
(select distinct projects.id from projects, attachments
where attachments.container_id = projects.id
and attachments.container_type = 'Project')
and projects.id not in
```

```
(select distinct projects.id from projects, attachments, versions
where attachments.container_id = versions.id
and attachments.container_type = 'Version'
and versions.project_id = projects.id)
```

#3 - 2015-02-09 12:01 PM - Chris Cannam

And projects with attachments attached to versions and with newer changesets, of which a particular user is a member:

```
select distinct projects.identifier from attachments, versions, projects, changesets, repositories, members, users
where members.user_id = users.id
and users.login = 'login'
and members.project_id = projects.id
and attachments.container_id = versions.id
and attachments.container_type = 'Version'
and versions.project_id = projects.id
and changesets.repository_id = repositories.id
and repositories.project_id = projects.id
and changesets.committed_on > attachments.created_on
```

#4 - 2015-02-09 12:08 PM - Chris Cannam

Ah no, that just finds commits newer than **any** attachment for the project.

#5 - 2015-02-11 01:09 PM - Chris Cannam

Crude method in code for listing projects with commits but no attachments, of which user u is a member:

```
Project.all.select { |p| p.users.member?(u) }.select do |p|
  c = p.repository.latest_changeset.committed_on if
    not p.repository.nil? and not p.repository.latest_changeset.nil?;
  a = p.attachments.map { |a| a.created_on }.compact.sort.last;
  v = p.versions.map { |v| v.attachments.map { |a| a.created_on }.compact.sort.last }.compact.sort.last;
  not c.nil? and a.nil? and v.nil?
end.map { |p| p.identifier }
```

and projects with commits more recent than the last attachment:

```
Project.all.select { |p| p.users.member?(u) }.select do |p|
  c = p.repository.latest_changeset.committed_on if
    not p.repository.nil? and not p.repository.latest_changeset.nil?;
  a = p.attachments.map { |a| a.created_on }.compact.sort.last;
  v = p.versions.map { |v| v.attachments.map { |a| a.created_on }.compact.sort.last }.compact.sort.last;
  not c.nil? and
    ((not v.nil? and c > v) or
    (not a.nil? and c > a))
end.map { |p| p.identifier }
```