

## Redmine - Feature #4077

### Custom fields and overrides on Enumerations

2009-10-21 20:39 - Eric Davis

<b>Status:</b> Closed	<b>Start date:</b> 2009-10-21
<b>Priority:</b> High	<b>Due date:</b>
<b>Assignee:</b> Eric Davis	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 0.9.0	
<b>Resolution:</b>	
<b>Description</b>	
<p>I'm going to be adding a bunch of changes to Redmine this week in order to make Enumerations more flexible and customizable. My specific goal is to have the Time Entry Activities flexible and when combined with a <a href="#">soon to be released plugin</a>, allow Redmine to track things like Billable and Non Billable time automatically (optional).</p> <p>The short list of changes include:</p> <ul style="list-style-type: none"><li>- Allowing custom fields on Enumerations. - Example: Is this activity billable?</li><li>- Allow Time Entry Activities to be marked active or inactive. Inactive ones will only be listed in admin pages.</li><li>- Allow each project to override the Time Entry Activities' custom data - Example: ActivityA is billable except on ProjectB where it is non-billable</li><li>- Allow each project to override if each Time Entry Activity is active or inactive. This will let a project Manager turn off activities that aren't needed on a project.</li><li>- Allow the Time Report to use the Custom Data fields as filters</li></ul> <p>All of this code has been developed and tested already and has running in production for over 4 months now. I'm just going to extract it from a running system so everyone can use it. There might be some bugs from the merge and I'm sure we will need to iterate over it a few times to make it more robust but I'd rather get this out there and get feedback on it sooner than later.</p>	
<b>Related issues:</b>	
Related to Redmine - Defect # 4084: Cannot disable activity in project when a...	<b>Closed</b> <b>2009-10-22</b>
Related to Redmine - Defect # 6564: Remove IssuePriorityCustomFields?	<b>Closed</b> <b>2010-10-04</b>

#### Associated revisions

##### Revision 2945 - 2009-10-22 00:34 - Eric Davis

Enumerations can now have custom fields defined on them. #4077

##### Revision 2946 - 2009-10-22 00:34 - Eric Davis

Added an active field track if an Enumeration is active on the frontend view.

- Changed TimelogHelper#activity\_collection\_for\_select\_options to only use active TimeEntryActivities.
- Changed TimelogHelper#activity\_collection\_for\_select\_options to return a blank option if the time\_entry's current activity is inactive.

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##### Revision 2947 - 2009-10-22 00:34 - Eric Davis

Added project specific Enumeration overrides.

These will be used to track if Enumeration's custom data or active state is overridden on a project. An overridden Enumeration is one that is associated with a parent Enumeration.

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#### **Revision 2948 - 2009-10-22 00:34 - Eric Davis**

Changed the Timelogs to use both the Systemwide and Project specific TimeEntryActivities

- Added Project#activities to return all the Systemwide and Project specific activities, excluding Systemwide ones that are overridden.
- Added some tests for TimelogHelper.

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#### **Revision 2949 - 2009-10-22 00:34 - Eric Davis**

Added a Activities tab to Project Settings

- Changed Project#activities to allow getting inactive Activities also: \* Changed the Enumeration#all named\_scope to exclude project specific Activities \* Changed the Project has\_many time\_entry\_activities to include all by default and provided an #active method to filter them to active ones only \* Split Project#activities to two methods and gave it a parameter that is used to determine if inactive activities are included (default is no)
- Added a reset button to delete all project specific activities.
- Added ProjectsController#reset\_activities to remove the project specific activities
- Added a HTTP DELETE route for reset\_activities
- Changed the permissions for managing project activities to have access to the ProjectsController#reset\_activities action
- Added a way to bulk save Project specific Activities in ProjectsController \* #save\_activities will save all the changed activities, including update the existing records \* Added helper methods to the controller which will be refactored later \* Allow the same TimeEntryActivity names on different projects

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#### **Revision 2950 - 2009-10-22 00:34 - Eric Davis**

When a specific TimeEntryActivity are change, associated TimeEntries will be re-assigned to the correct record.

- Renamed build to create since the methods now create objects.
- Removed call to Project#save that isn't needed since objects are saved directly now.
- Wrapped the activity creation and updates in a SQL transaction so TimeEntries will remain in a consistent state if there is an error.
- When a Project's TimeEntryActivities are destroyed, they are now reassigned to the parent TimeEntryActivity.

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**Revision 2951 - 2009-10-22 00:34 - Eric Davis**

Added all list and boolean custom data fields to the Time Report. #4077

**Revision 2952 - 2009-10-22 00:35 - Eric Davis**

Fixed some merge bugs. #4077

**History**

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**#1 - 2009-10-22 00:42 - Eric Davis**

- Status changed from 7 to Closed
- % Done changed from 0 to 100

This went a lot faster than I thought. I was able to extract and merge all of the new features today (thanks git!). I've attached some screenshots with purple highlights to show what parts of Redmine's UI have changed. If there are any bugs or change requests, please open a new issue and assign it to me.

I combined the changes into 9 separate commits so they are easier to review. Committed in: r2944, r2945, r2946, r2947, r2948, r2949, r2950, r2951, r2952

**#2 - 2009-10-22 01:01 - Eric Davis**

- File *editing-a-time-entry-activity.png* added
- File *entering-a-time-entry.png* added
- File *enumeration-custom-fields.png* added
- File *enumeration-list.png* added
- File *new-project-settings-tab.png* added

I guess the screenshots would be easier to see if they were attached.

**Files**

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editing-a-time-entry-activity.png	24.1 KB	2009-10-21	Eric Davis
entering-a-time-entry.png	21.7 KB	2009-10-21	Eric Davis
enumeration-custom-fields.png	27.7 KB	2009-10-21	Eric Davis
enumeration-list.png	45 KB	2009-10-21	Eric Davis
new-project-settings-tab.png	28 KB	2009-10-21	Eric Davis