

Requirement Specification for Project And Teamorganisation Tool (PATT)

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1 SEC-0001: General

1.1 REQ-0001: Task

The application shall have multiple tasks

1.2 REQ-0002: User

The application shall have multiple users

1.3 REQ-0003: Project

The application shall have multiple projects

1.4 REQ-0013: Userinterface

The application shall have a userinterface

2 SEC-0002: Definitions for user

2.1 REQ-0004: Username

A user shall have a username

Reason Authentication

2.2 REQ-0005: Password

A user shall have a password

Reason Authentication

2.3 REQ-0006: E-Mail

A user shall have an emailaddress

Reason Give information to a user which is not currently using the userinterface

2.4 REQ-0038: threshold_very_soon

The user_profile object shall be able to hold the Infomation threshold_very_soon with the following values: 1 day, 2 days, 3 days, 4 days, 5 days, 7 days, 9 days, 12 days

Reason Information for the sorting criteria warning_group

2.5 REQ-0039: threshold_soon

The user object shall be able to hold the Infomation threshold_soon with the following values: 1 day, 2 days, 3 days, 5 days, 7 days, 10 days, 14 days, 21 days

<i>Reason</i>	Information for the sorting criteria warning_group
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3 SEC-0003: project Fields

3.1 REQ-0007: Projectname

A project shall have a projectname

<i>Reason</i>	Definition of a short identification for the Project.
<i>Fitcriterion</i>	projectname exists in project and can hold a string

3.2 REQ-0008: Projectdescription

A project shall have a projectdescription

<i>Reason</i>	Definition of additional information for the Project.
<i>Fitcriterion</i>	projectdescription exists in project and can hold a string

3.3 REQ-0026: State

A project shall have a projectstate with the following possible values: 'TBD, /dots'

3.4 REQ-0009: Projectrole Leader

A project shall have the projectrole role_leader

3.5 REQ-0012: Projectrole Member

A project shall have the projectrole role_member

<i>Reason</i>	Default value for Task generation
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3.6 REQ-0033: Projectrole Visitor

A project shall have the projectrole role_visitor

4 SEC-0004: Description for projectrole

4.1 REQ-0011: Userlist

A projectrole shall hold multiple users

Reason Define Members for the different projectroles

5 SEC-0005: task Fields

5.1 REQ-0014: state

A task shall have a state with the following possible values: 'open, in progress, finished, closed'

5.2 REQ-0015: priority

A task shall have a priority with the following possible values: 1, 2, 3, 4, 5 ,6, 7

5.3 REQ-0016: targetdate

5.4 REQ-0017: progress

5.5 REQ-0018: description

5.6 REQ-0019: comments

5.7 REQ-0020: appraisals

Just for Projectleader or Superuser (TBD)

5.8 REQ-0031: assigned_user

A task shall have one assigned_user. The assigned_user needs to have a role in the related project.

5.9 REQ-0032: History

The tasks change history shall be fully stored.

Reason Implementation of a view for the projectleaders to inspect all changes from creation till now.

6 SEC-0006: Permission definitions for tasks

6.1 REQ-0027: read permission

If the user has read permissions, all task fields (except of the appraisals) shall be visible.

6.2 REQ-0024: limited_modify permission

If the user has limited_modify permission, the fields progress, description, comment shall be fully editable and the filed state shall be editable, if the state is one of 'open, closed', and the targetstates shall be limited to 'open, closed'.

6.3 REQ-0023: add_comment permission

The user shall be able to add a comment, if add_comment permissions are given.

6.4 REQ-0025: create permission

The user shall be able to create a task, if create permissions are given.

6.5 REQ-0028: modify permission

All task fields (except of the comment, appraisal) shall be editable, if the user has modify permission.

6.6 REQ-0029: modify_comment permission

The task field comment shall be editable, if the user has modify_comment permission.

7 SEC-0007: Access rules for task

7.1 REQ-0034: read permissions

A user shall have read permission, if he is a superuser or (user is the assigned_user and the current task state is one of 'open, closed') or (has a role in the related project and is a staffuser).

7.2 REQ-0035: limited_modify permission

A user shall have limited_modify permission, if he is the assigned_user and is a staffuser and the current task state is one of 'open, closed'.

7.3 REQ-0022: modify permission

A user shall have modify permission, if he is a superuser or (has the role role_leader in the related project and is a staffuser).

7.4 REQ-0030: add_comment permission

A user shall have add_comment permission, if he is a superuser or (has one of the roles role_leader, role_member in the related project and is a staffuser and the current task state is one of 'open, closed').

7.5 REQ-0036: create permission

A user shall have create permission, if he has at least in one project a role and is staffuser.

7.6 REQ-0037: modify_comment permission

A user shall have modify_comment permission, if he is a superuser or (has the role role_leader in the related project and is a staffuser).

8 SEC-0008: task sorting

8.1 REQ-0041: Sorting criterias and prioreties

A tasklist shall be sorted by the following documented sorting criterias. The sorting order shall be the same as the criteria order in this document.

Reason Tasklist shall be sorted in a user friendly order.

8.2 REQ-0040: 1st sort criteria shall be warning_group

The sorting shall be in the order as the listed warning_groups: /begin{itemize} /item {\bf overdue}: If the days_before_targetdate = 0 /item {\bf very_soon}: If the days_before_targetdate = assigned_user.threshold_very_soon /item {\bf soon}: If the days_before_targetdate = assigned_user.threshold_soon /item {\bf default}: In all other cases /item {\bf done}: If the task is in one of the following states: 'canceled, closed, finished' (independent from the other group definitions) /end{itemize}

Reason Tasklist shall be sorted in a user friendly order.

8.3 REQ-0042: 2nd sort criteria shall be priority

Highest priority (1) first.

Reason Tasklist shall be sorted in a user friendly order.

8.4 REQ-0043: 3rd sort criteria shall be days_before_targetdate

Lowest value of days_before_targetdate first.

Reason Tasklist shall be sorted in a user friendly order.

8.5 REQ-0046: 4th sort criteria progress

Lowest progress first.

Reason Tasklist shall be sorted in a user friendly order.

8.6 REQ-0047: 5th sort criteria name

Alphabetic sorting.

Reason Tasklist shall be sorted in a user friendly order.

9 SEC-0009: Userinterface

9.1 REQ-0021: State Types

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