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3.09 Workflow-Module

The workflow engine enables illustrating work processes within Projectile. Unlike a business process that describes a sequence of activities with the objective of service performance, a workflow is a predefined sequence of computer-aided flow of activities. The workflow engine in Projectile supports a business process, provided with necessary data and processes, according to the specifications stored in the system. The goal here is not a documentation for an organization or its employees, but rather the ability to automate the process.

Projectile's workflow engine is based on OSWorkflow from OpenSymphony and is part of the standard version.

Implementations example "Absence application"

In TimeTracker various workflows for the handling time periods (period-end closing, vacation application, ...) can be stored. The following example shows the implementation of a holiday application. After performing the action in the Time Tracker ...

The screenshot shows the 'TimeTracker Timothy Jones' application window. At the top, there is a toolbar with various icons and a search bar. Below the toolbar, a dropdown menu is open, showing options: '01 - conclude last month and apply for approval of', '02 - conclude current month and apply for approval of', and 'Apply for holiday'. A mouse cursor is pointing at the 'Apply for holiday' option. The main area of the application displays a table of time entries for 'Tuesday, 20.10.2009'. The table has columns for 'From', 'To', 'Time', 'Job', 'Cost unit', and 'Note'. The entries are as follows:

From	To	Time	Job	Cost unit	Note
08:00	14:40	6:40 h	Come and leave		Come in
10:30	13:47	3:17 h	3-3 Programming 4-3 - 3 Introduction Projectile		Programming from Introduction Consult
13:47	14:40	0:53 h	3-2 Installation Projectile - 3 Introduction Projectile		Installation from Projectile
15:10	18:00	2:50 h	Come and leave		Go out
Σ 9:30 h			4:10 h		

... a dialog for absence application is opened. Here the user can apply for absences (overtime compensation, recreation and special vacation) and cancel absences applied for or cancel approved absences.

Absence application

Application for Holiday

600 20.10.2009 20.04.2010

14

2009			2010													
Oct.	November	December	January				February				March		April			
						1	2	3	4	5	6	7	8	9		

Tate Adam (Holiday)																
Tate Adam (SpareTimeCompensation)																

Scheduled AppliedFor Confirmed Denied BankHoliday

Rest Holidays Days
 Applied-for Holidays Days
 DeltaTime Days
 AppliedNextYear Days

Choose Absence

Comment

Apply for Absence
 -

After confirming the application ...

Please confirm application for Holiday: 10.11.2009 - 24.11.2009

... the applied for vacation is then visualized ...

600 20.10.2009 20.04.2010

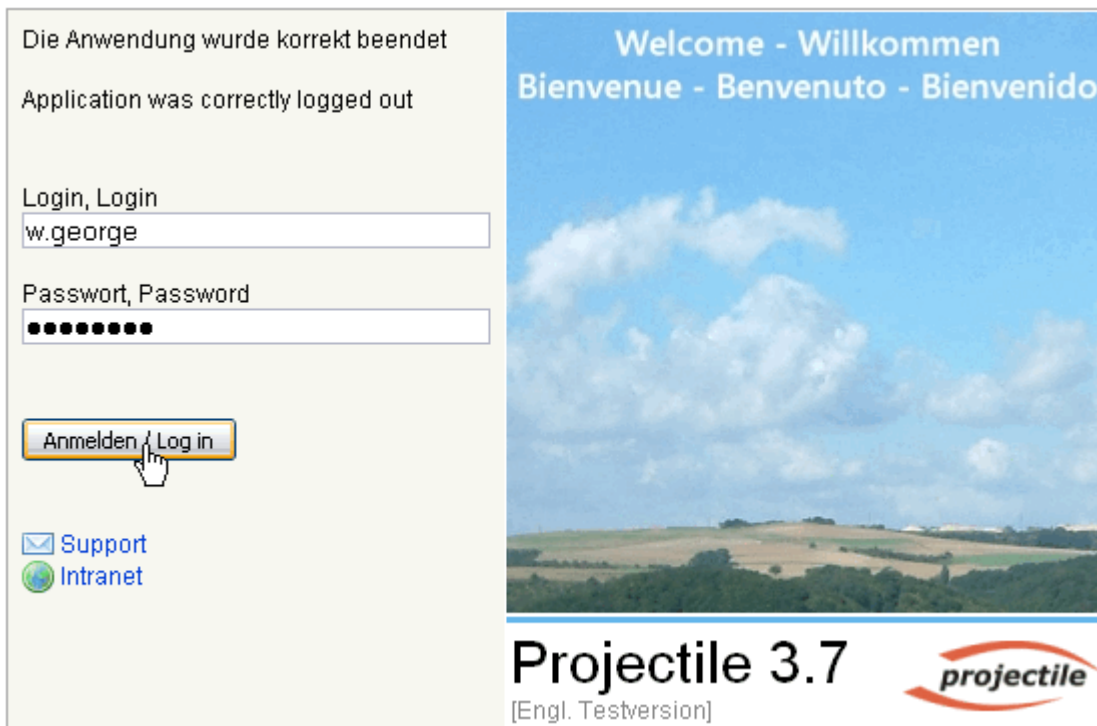
14

2009			2010													
Oct.	November	December	January				February				March		April			
						1	2	3	4	5	6	7	8	9		

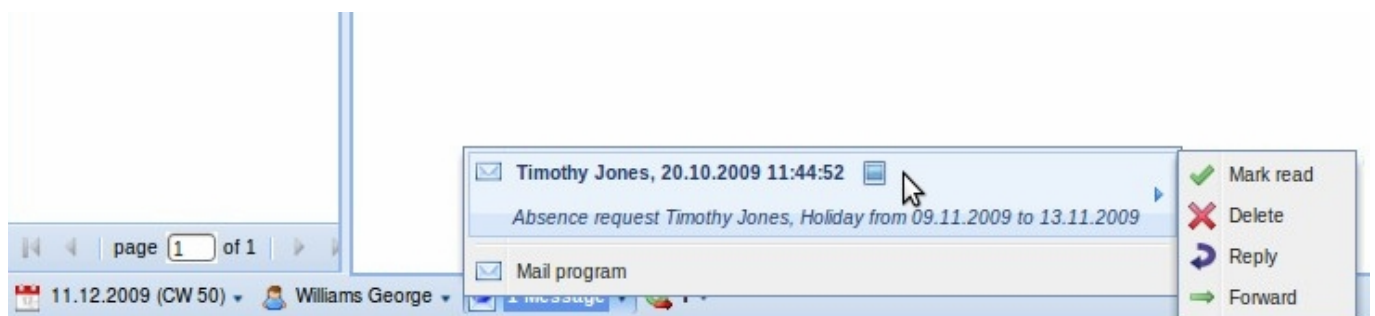
Tate Adam (Holiday)																
Tate Adam (SpareTimeCompensation)																

Scheduled AppliedFor Confirmed Denied BankHoliday

and the supervisor (manager, personnel manager, project manager or unit manager) receives an internal message. In the example, the unit manager of the applicant ...



... is informed and receives a vote.



The employee is then informed of the vote through an internal message.

Mailer

DRAFTS (0/0)
INBOX (1/16)
SCHEDULED (0/0)
SENT (0/6)

Timestamp: 20.10.2009 11:44:52 ☒ Read

Sender: Timothy Jones

InternalRecipients: ExternalRecipients:

Scheduled:

Subject: Absence request Timothy Jones, Holiday from 09.11.2009 to 13.11.2009

Body:

Ballot 1
Workflow: Absence request
Ballot: Unitleiter
Employee: Timothy Jones
Start: 09.11.2009
End: 13.11.2009
Presence: Holiday
Days applied-for: 5,0
Remaining Holidays after approval: 20,0

References

In the workflow engine a the holiday can either be ...

Ballots

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InitiationDate	Initiator	WorkflowDescription	BallotDes	BallotMode	BallotRound
08.10.2009 13:12:03	Timothy Jones	Absence request Timothy Jones, Holiday from 02.11.2009 to 06.11.2009	Unitleiter	Pro: ONE, Contra: ONE	1

accepted or denied in the menu item "Ballot".

Vote

Please vote and give a comment

Unitleiter

Comment:

Employee

Tate Adam

Start

10.11.2009

End

24.11.2009

Presence

Holiday

Days applied-for

11 d

Remaining Holidays after approval

-11 d

Rest Holidays and flex time

Vote

Comment

No comment

Agree

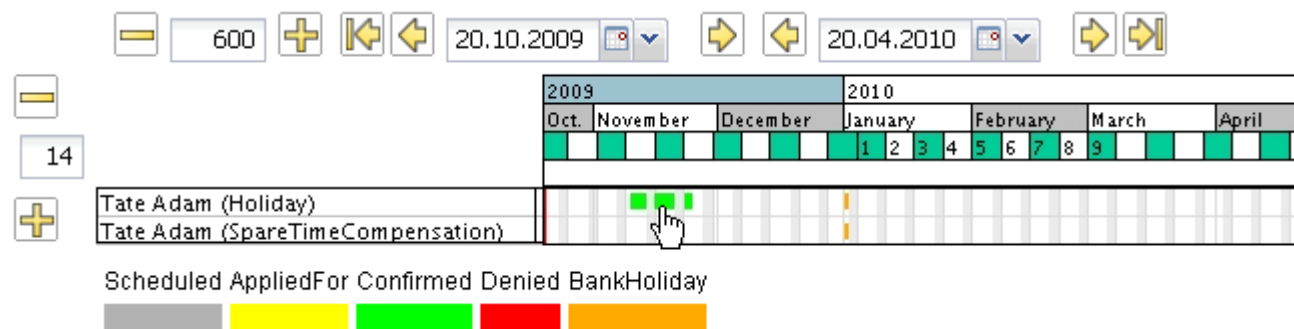
Disagree

Cancel

The applicant obtains a message of the vote from the system.



Depending on the voting results, the holiday is graphically displayed as vacation or as vacation rejected in the absence application of the Time Tracker.



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Last update: 2019/10/25 14:09

