## Task Management System

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| ID and name | UC-1 Create task | | |
| Primary actor | Manager | Secondary actors | TMS |
| Description | A manager logs in the TMS, where he can create a new task, giving it a name, description and delegate it certain employees. After the task has been created, all employees assigned by the manager to it will be notified. | | |
| Trigger | The finding of a new problem required to be solved | | |
| Preconditions | PRE-1: Manager is logged in  PRE-2: At least one other employee logged in | | |
| Postconditions | POST-1: The task has been delegated to someone to work on.  POST-2: The assignees’ task lists have been updated. | | |
| Normal flow | 1. Create a task: 2. The manager completes the details of the task: name, description, and selects from a list the people to assign it to 3. The manager sends out the task by pressing “Create” (see 1.1) 4. The application returns to the main screen with a confirmation message. | | |
| Alternative flows | 1.1 Cancel creation of task:   1. The manager clicks on “Cancel” button. 2. The application returns to the main screen. | | |
| Exceptions |  | | |

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| ID and name | UC-2 Close task | | |
| Primary actor | Manager | Secondary actors | TMS |
| Description | A manager logs in the TMS, looks through the list of all existing tasks and decides which to close. | | |
| Trigger | Tasks marked as solved | | |
| Preconditions | PRE-1: Manager is logged in.  PRE-2: At least one task marked as solved. | | |
| Postconditions | POST-1: Task is marked as closed and can’t be updated later.  POST-2: Employees to whom the task was assigned are notified and each of their tasks list is updated.  POST-2: Manager’s list of all tasks is updated. | | |
| Normal flow | 1. Closing of a task: 2. The manager selects a task from the list and, having decided it is complete, clicks the “Close” button (see 1.0.E1) 3. The application pops a message box asking for confirmation (see 1.1) 4. The manager confirms his action to close the task by clicking “Continue”. 5. The task has been closed and the application returns to the task list view screen. | | |
| Alternative flows | 1.1 Canceling the action   1. Manager clicks on “Cancel” 2. The application returns to the task list view screen. | | |
| Exceptions | 1.0 E1 Task status is “pending”   1. The application pops a message box informing the manager that the action can’t be completed. 2. The application returns to the task list view screen | | |

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| ID and name | UC-3 Updating task | | |
| Primary actor | Employee | Secondary actors | TMS |
| Description | An employee logs in the TMS and decides to update a task, be it by adding a comment with updates of his work, inquiries,etc or changing the status of the task. | | |
| Trigger | New state for a task | | |
| Preconditions | PRE-1: Employee is logged in.  PRE-2: Employee has a task assigned. | | |
| Postconditions | POST-1: Task has updated.  POST-2: Manager and other employees to whom the task has been assigned are notified. | | |
| Normal flow | 1.0 Update task status   1. Employee selects a task from his list. (see 1.0 E1, 1.1) 2. Employee clicks on status bar and changes it between “pending” and “solved”. 3. The task is updated and the manager and all other assignees are notified. | | |
| Alternative flows | 1.1 Add a reply to a comment   1. Employee selects a comment in the task’s comment area by clicking it. 2. Employee clicks on “Write comment…” field and writes details on his work or inquiries. 3. Employee clicks on “Send” button to post his comment. 4. The manager and other assignees are notified. 5. Go back to step 2 of normal flow or terminate use case. | | |
| Exceptions | 1. E1: Task has been closed 2. Employee can’t change the status or add comments. | | |