**Worker management system**

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| ID and name | UC – 01: Login | | |
| Primary actor | Employee | Secondary actors | - |
| Description | An employee comes to work, opens the application, and starts his working day | | |
| Trigger | An employee opens a new instance of the app | | |
| Preconditions | PRE – 01: The employee is registered in the system | | |
| Postconditions | POST – 01: The employee has access to the functionalities of the application according to his status.  POST – 02: If the employee is a worker the admin will be notified of the login | | |
| Normal flow | **1.0 Login**   1. The employee opens the worker management system. 2. Worker management system displays a form with two inputs for username and password. 3. The employee introduces his username, password and log in date. 4. Worker management system displays the window available to him | | |
| Alternative flows | **1.1 Invalid username and password**   1. Worker management system displays an error indicating that the username and password are wrong (see 1.1.E1). 2. Return to step 2 of the normal flow | | |
| Exceptions | **1.1E1 The user is not registered**   1. Worker management system does not support password recovery. Employee should recover his password from system administrators | | |

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| ID and name | UC – 02: Logout | | |
| Primary actor | Employee | Secondary actors | - |
| Description | After using the application, an employee wants to exit it | | |
| Trigger | An employee trigger | | |
| Preconditions | PRE-01: The employee is logged in the system | | |
| Postconditions | POST-01: The employee has no longer access to the system | | |
| Normal flow | **2.0 Logout**   1. The employee clicks the log out button. 2. Worker management system is closed. | | |
| Alternative flows | - | | |
| Exceptions | - | | |

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| ID and name | UC – 03: Assign task | | |
| Primary actor | Admin | Secondary actors | Worker |
| Description | An admin assigns a task to the worker and the tasks becomes visible on worker screen | | |
| Trigger | The admin indicates that he wants to assign a task to a worker | | |
| Preconditions | PRE-01: The admin is logged in the system with an admin account.  PRE-02: The worker is logged in worker management system | | |
| Postconditions | POST-01: The worker sees the task assigned in his screen.  POST-02: The admin sees that the task was assigned to the worker. | | |
| Normal flow | **3.0 Assign task**   1. Admin selects a worker and clicks the assign task button. 2. Worker management system displays a window with fields for the task’s details. 3. Admin fills in the task details and clicks assign button. 4. Worker management system displays the task in both the worker and the admin window | | |
| Alternative flows | **3.1 – Worker not selected**   1. Admin does not select a worker when he clicks the assign task button, see 3.1E1. 2. Does not change anything, return to the normal state of the window.   **3.3 – Invalid task details**   1. Admin does not complete fields or gives invalid data (e.g. task finish date earlier than task start date, see 3.3.E1and 3.3.E2) 2. Return to step 2 of the normal flow | | |
| Exceptions | **3.1.E1 – No worker selected**   1. Worker management system informs the admin that no worker was selected.   **3.3.E1 – Admin does not complete all the task details**   1. Worker management system informs the admin that there are missing details.   **3.3.E2 – End date earlier than start date**   1. Worker management system informs the admin that the date provided is invalid. | | |

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| ID and name | UC – 04: Delete task | | |
| Primary actor | Admin | Secondary actors | Worker |
| Description | After a task was assigned, the admin decides to removed it | | |
| Trigger | Admin selects the task and indicates that he wants it removed | | |
| Preconditions | PRE-01: The task has been assigned to the worker.  PRE-02: The admin is logged in the system with an admin account. | | |
| Postconditions | POST-01: Both the worker and the admin does not see the task anymore | | |
| Normal flow | **4.0 – Delete task**   1. Admin selects a task and clicks on delete task button. 2. Worker management system displays a confirmation window for deleting the task. 3. Admin selects yes on the window. 4. Worker management system deletes the task from memory and both the windows. | | |
| Alternative flows | **4.1 – No task is selected when the button is clicked**   1. Worker management system displays an error showing that there is no task selected, see 4.1.E1. 2. The window remains unchanged.   **4.3 – No confirmation from admin**   1. Admin clicks no on the confirmation window. 2. Return to the initial state. | | |
| Exceptions | **4.1.E1 – No task selected**   1. Worker management system informs the admin that there is no task selected | | |

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| ID and name | UC – 05: Mark task as done | | |
| Primary actor | Worker | Secondary actors | Admin |
| Description | After finishing a task, the worker marks it as done | | |
| Trigger | The worker selects a task from his window and marks it as done | | |
| Preconditions | PRE-01: The worker is logged in the system.  PRE-02: He has the task assigned. | | |
| Postconditions | POST-01: The task is no longer visible in worker’s window.  POST-02: The admin is informed that the task is done | | |
| Normal flow | **5.0 – Mark task as solved**   1. Worker selects a task and then clicks on a button. 2. Worker management system displays a window confirming that the tasks was marked as done | | |
| Alternative flows | **5.1 – No task selected**   1. The worker does not select any task, see 5.1.E1. 2. No effect applied | | |
| Exceptions | **5.1.E1 – Worker selects no task**   1. Worker management system informs the worker that there is no task selected | | |

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| ID and name | UC – 06: See all available workers | | |
| Primary actor | Admin | Secondary actors | - |
| Description | The admin can see all available workers at the current time | | |
| Trigger | Admins indicates that he wants to see all available workers | | |
| Preconditions | PRE-01: The admin is logged in worker management system as an admin. | | |
| Postconditions | POST-01: The admin sees a list of all the available workers | | |
| Normal flow | **6.0 – See all available workers**   1. Admin clicks a “see all available workers” button. 2. Worker management system displays on the main window table all the workers that are logged in. | | |
| Alternative flows | - | | |
| Exceptions | - | | |

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| ID and name | UC – 07: See all workers | | |
| Primary actor | Admin | Secondary actors | - |
| Description | The admin can see all the workers from the company | | |
| Trigger | Admins indicates that he wants to see all workers | | |
| Preconditions | PRE-01: The admin is logged in worker management system as an admin. | | |
| Postconditions | POST-01: The admin sees a list of all the workers | | |
| Normal flow | **7.0 – See all workers**   1. Admin clicks a “see all workers” button. 2. Worker management system displays on the main window table all the workers from the system | | |
| Alternative flows | - | | |
| Exceptions | - | | |

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| ID and name | UC – 08: Add worker | | |
| Primary actor | Admin | Secondary actors | - |
| Description | Introduce a new worker in the system | | |
| Trigger | The admin initiates the add worker operation | | |
| Preconditions | PRE-01: Admin is logged in the system | | |
| Postconditions | POST-01: There is a new worker created | | |
| Normal flow | **8.0 – Add worker**   1. Admin clicks add worker button. 2. Worker management system displays a window in which you can fill the details of a worker. 3. Admins fills in the details. 4. Worker management system validates the details of the worker and shows a confirmation window with the details. 5. Admin confirms the date is correct. 6. Worker management system saves the information, and a new user is created. | | |
| Alternative flows | **8.4 –**  **Worker management system validates the details**   1. The data introduced is not valid, see 8.4.E1 2. Worker management system displays an error message. 3. Go to the step 2 in normal flow.   **8.5 – Admin confirms the details**   1. Admin does not confirm the details. 2. Worker management system returns to the main window | | |
| Exceptions | **8.4.E1 – Data not valid**   1. Data introduced by the user is not valid. 2. Worker management system displays an error message. 3. Go to the step 2 in normal flow. | | |

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| ID and name | UC – 09: Update worker | | |
| Primary actor | Admin | Secondary actors | - |
| Description | Update an already existing worker in the worker management system | | |
| Trigger | Admin selecting a worker and initiate the update worker operation | | |
| Preconditions | PRE-01: Admin is logged in the system | | |
| Postconditions | POST-01: The worker is updated | | |
| Normal flow | **9.0 – Update worker**   1. Admin selects a worker and clicks on the update button. 2. Worker management system displays a window in which you can fill the details of a worker. 3. Admins fills in the details. 4. Worker management system validates the details of the worker and shows a confirmation window with the details. 5. Admin confirms the date is correct. 6. Worker management system saves the information, and a new user is created | | |
| Alternative flows | **9.1 – Admin does not select a worker**   1. Admin does not select a worker, see 9.1.E1. 2. Worker management system displays an error message. 3. Return to the main window.   **9.4 – Worker management system does not validate the details**  1. The data introduced is not valid, see 9.4.E1  2. Worker management system displays an error message.  3. Go to the step 2 in normal flow.  **9.5 – Admin confirms the details**  1. Admin does not confirm the details.  2. Worker management system returns to the main window | | |
| Exceptions | **9.4.E1 – Worker not selected**   1. Admin press the button without a worker being selected. 2. Worker management system displays an error and returns to the main window.   **9.4.E1 – Data not valid**   1. Data introduced by the user is not valid. 2. Worker management system displays an error message. 3. Go to the step 2 in normal flow. | | |

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| ID and name | UC – 10: Delete worker | | |
| Primary actor | Admin | Secondary actors | - |
| Description | A worker is deleted from the system. | | |
| Trigger | Admin selects a worker and initiate the deletion process | | |
| Preconditions | PRE-01: Admin is logged in the system | | |
| Postconditions | POST-01: The worker is no longer in the system | | |
| Normal flow | **10.0 Delete worker**   1. Admin selects a worker and press the delete button. 2. Worker management system displays a pop-up asking for confirmation. 3. Admin confirms the operation. 4. Worker management system deletes the worker | | |
| Alternative flows | **10.1 – Worker not selected**   1. Admin does not select a worker and press the delete button, see 10.1.E1. 2. Worker management system displays an error message. 3. Go to the main page of the application.   **10.3 – Admin does not confirm the operation**   1. Admin does not confirm the deletion. 2. Worker management system goes to the main window. | | |
| Exceptions | **10.1.E1 – Worker not selected**   1. Worker management system displays an error message showing that no worker is selected | | |