# **Project description**

**4. MONITORIZARE ANGAJATI**

O firma si-a creat o infrastructura prin care seful monitorizeaza angajatii prezenti la lucru si le traseaza sarcini individuale. Firma are o aplicatie care ofera:

• o fereastra pentru sef, cu ajutorul careia seful vede lista angajatilor prezenti în firma, un element din lista precizând numele angajatului si ora la care s-a logat în sistem. De asemenea, seful poate transmite o sarcina unui angajat prezent astfel: selecteaza angajatul din lista, introduce o descriere a sarcinii si declanseaza un buton "transmite sarcina". Imediat dupa transmiterea unei sarcini, aceasta poate fi consultata de catre angajatul respectiv.

• câte o fereastra pentru fiecare angajat: Atunci când angajatul vine la serviciu, introduce ora sosirii si declanseaza un buton "prezent". Imediat dupa declansarea butonului, seful vede în lista lui ca angajatul este prezent. În continuare, cât timp angajatul sta la serviciu, el primeste si, în consecinta, vede în fereastra lui, sarcinile transmise de sef. La plecare, angajatul închide fereastra, moment în care seful este notificat de delogarea acestuia din sistem.

# **Use cases descriptions**

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| **ID and name** | UC-1: Login | | |
| **Primary actor** | Staff member | **Secondary actors** | System |
| **Description** | A member of the company (employee or manager) opens the application and wants to log in, in order to interact with the Company Infrastructure. | | |
| **Trigger** | The staff member opens the application. | | |
| **Preconditions** | The member has access to the application. | | |
| **Postconditions** | The member is logged in and has access to the functionalities of the application. | | |
| **Normal flow** | **1.0 Login**   1. The staff member opens the application. 2. The system asks the member to give their username and password. 3. The user types in the required information and submits. 4. The system finds the user in the database and opens the Infrastructure accordingly (depending on his role). | | |
| **Alternative flows** | - | | |
| **Exceptions** | **1.0.E1 Incorrect username or password**   1. The staff member opens the application. 2. The system asks the member to give their username and password. 3. The user types in a wrong username or password. 4. The system prompts the user with a message that Login process failed and that they should try again. 5. User choses try again option.   Return to step 2 of normal flow. | | |

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| **ID and name** | UC-2: Logout | | |
| **Primary actor** | Staff member | **Secondary actors** | System |
| **Description** | A member of the company (employee or manager) wants to logout of their session and to close the application at the end of the work day. | | |
| **Trigger** | The staff member presses Logout option. | | |
| **Preconditions** | The member is logged in the application. | | |
| **Postconditions** | The member is logged out and the application is closed. | | |
| **Normal flow** | **2.0 Logout**   1. The user chooses the Logout option. 2. The system logs out the user with success and the application is closed. | | |
| **Alternative flows** | **2.1 Forgot to Logout**   1. Employee forgets to logout. 2. The system automatically logs them out after a set period of inactivity or after the workday finish time. 3. Return to step 2 of normal flow. | | |
| **Exceptions** | - | | |

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| **ID and name** | UC-3: View attendees | | |
| **Primary actor** | Manager | **Secondary actors** | System |
| **Description** | The manager can visualize a list of all employees that are connected and attending, as well as their time of arrival. | | |
| **Trigger** | The manager logs in and requests to view the attendees. | | |
| **Preconditions** | The manager is logged in to the application. | | |
| **Postconditions** | The list of attending employees is displayed. | | |
| **Normal flow** | 1. **View list** 2. The manager opens the application. 3. The system displays the list of attending employees. | | |
| **Alternative flows** | - | | |
| **Exceptions** | **3.0.E1 Error loading the attendees list**   1. The manager opens the application. 2. The system fails to load the list and displays a message that there is an internal error and that the manager should try again later or should contact support. | | |

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| **ID and name** | UC-4: Manage tasks | | |
| **Primary actor** | Manager | **Secondary actors** | System |
| **Description** | The manager can visualize a list of all assigned tasks. | | |
| **Trigger** | The manager selects the option to view all tasks. | | |
| **Preconditions** | The manager is logged in to the application. | | |
| **Postconditions** | The list of all tasks is displayed. | | |
| **Normal flow** | **4.0 View task list**   1. The manager has the application opened. 2. The manager chooses the option to view the list of all tasks. 3. The system displays the list of all ongoing tasks. | | |
| **Alternative flows** | - | | |
| **Exceptions** | - | | |

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| **ID and name** | UC-5: Remove task | | |
| **Primary actor** | Manager | **Secondary actors** | System, Employee |
| **Description** | The manager can delete a task that was assigned to an Employee. | | |
| **Trigger** | The manager selects the option to view all tasks. | | |
| **Preconditions** | The manager is logged in to the application. | | |
| **Postconditions** | The selected task is deleted with success. | | |
| **Normal flow** | **5.0 Delete task**   1. The manager views the list of all tasks. 2. The manager selects an existing task and presses Delete button. 3. The system deletes the selected task with success and notifies both the Manager and the Employee. | | |
| **Alternative flows** | - | | |
| **Exceptions** | **5.0.E1 Task deletion failed**   1. The manager is prompted that deletion failed and can try again. | | |

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| **ID and name** | UC-6: Edit task | | |
| **Primary actor** | Manager | **Secondary actors** | System, Employee |
| **Description** | The manager can edit the details of a task that was assigned to an Employee. | | |
| **Trigger** | The manager selects the option to view all tasks. | | |
| **Preconditions** | The manager is logged in to the application. | | |
| **Postconditions** | The selected task is updated with success. | | |
| **Normal flow** | **6.0 Edit task.**   1. The manager views the list of all tasks. 2. The manager selects an existing task and presses Edit button. 3. The system shows an editable text area for the Manager to change the description. | | |
| **Alternative flows** | - | | |
| **Exceptions** | - | | |

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| **ID and name** | UC-7: Assign task | | |
| **Primary actor** | Manager | **Secondary actors** | System, Employees |
| **Description** | The manager selects a present employee and assigns a specific task by entering the task description and clicking the "assign task" button. | | |
| **Trigger** | Manager logs in and initiates the task assignment process. | | |
| **Preconditions** | * The manager has access to the application. * The employee is present and logged in. | | |
| **Postconditions** | The task is assigned to the employee. | | |
| **Normal flow** | **7.0 Assign task**   1. The manager opens the application. 2. The system displays the list of attending employees 3. The manager selects the employee. 4. The manager enters the task description. 5. The manager assigns the task. 6. The system informs the Employee that a new task was assigned to them. | | |
| **Alternative flows** | - | | |
| **Exceptions** | **7.0.E1 Task assignment fails**   1. The manager manually communicates the task to the Employee. | | |

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| **ID and name** | UC-8: Record attendance | | |
| **Primary actor** | Employee | **Secondary actors** | System, Manager |
| **Description** | Employees use the application to mark their arrival time at work, ensuring their presence is recorded in the system. | | |
| **Trigger** | Employee logs in to the system upon arrival at work | | |
| **Preconditions** | The employee has access to the application. | | |
| **Postconditions** | The employee’s arrival time is recorded in the system. | | |
| **Normal flow** | **8.0 Record attendance with success**   1. The employee opens the application. 2. The employee logs in. 3. The system displays employee’s perspective. 4. The employee selects the option to mark their attendance. 5. The system saves employee’s arrival time. 6. The system informs the manager that a new employee has attended. | | |
| **Alternative flows** | - | | |
| **Exceptions** | **8.0.E1 The application fails to record the arrival time**   1. The employee contacts IT support.   2a. If the problem is solved, then restarts the use case.  2b. Else the employee manually informs the manager of their attendance. | | |

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| **ID and name** | UC-9: View tasks | | |
| **Primary actor** | Employee | **Secondary actors** | System |
| **Description** | Employees can view tasks assigned by the manager and work on them. | | |
| **Trigger** | Employee logs in and accesses the list of assigned tasks. | | |
| **Preconditions** | The employee is logged in. | | |
| **Postconditions** | The employee views and/or completes assigned tasks. | | |
| **Normal flow** | **9.0 View tasks**   1. The employee logs in the application. 2. The employee selects the option to view tasks. 3. The system displays the list of assigned tasks. 4. The employee selects a task to work on. 5. The employee completes the task. | | |
| **Alternative flows** | **9.1 No assigned tasks**   1. The employee selects the option to view tasks. 2. The system notifies the Employee that there are no tasks assigned. 3. The Employee may exit the task viewing process. | | |
| **Exceptions** | **9.0.E1 There are technical issues with accessing tasks**   1. The employee may contact IT support. | | |

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| **ID and name** | UC-10: Handle tasks | | |
| **Primary actor** | Employee | **Secondary actors** | System |
| **Description** | Employees can mark tasks assigned by the manager as done. | | |
| **Trigger** | Employee handles the tasks and marks them. | | |
| **Preconditions** | The employee is logged in. | | |
| **Postconditions** | The task is marked as done and disappears from the ongoing tasks page. | | |
| **Normal flow** | **10.0 Handle tasks**   1. The Employee views the list of all ongoing tasks. 2. The Employee marks a task as done. 3. The system updates data and removed the task from ongoing tasks page. | | |
| **Alternative flows** | - | | |
| **Exceptions** | - | | |

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| **ID and name** | UC-11: Notification on Logout | | |
| **Primary actor** | System | **Secondary actors** | Manager |
| **Description** | The system notifies the manager when an employee logs out of the system, indicating the employee's departure from work. | | |
| **Trigger** | Employee logs out of the system. | | |
| **Preconditions** | The employee is logged in. | | |
| **Postconditions** | The manager receives a notification of the employee's logout. | | |
| **Normal flow** | **11.0 Notification on Logout**   1. The employee finishes work. 2. The employee logs out of the application session. 3. The system notifies the manager of the Employee’s exit. | | |
| **Alternative flows** | - | | |
| **Exceptions** | **11.0.E1 Notification system fails**   1. The manager may manually verify employee attendance | | |

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| **ID and name** | UC-12: Create Employee account | | |
| **Primary actor** | Manager | **Secondary actors** | System |
| **Description** | The Manager can create an account for an Employee that hadn’t had an account before. | | |
| **Trigger** | A staff member starts creating an account. | | |
| **Preconditions** | The application is opened or the Manager is logged in. | | |
| **Postconditions** | The account is created with success. | | |
| **Normal flow** | 1. **Create Employee account** 2. A staff member chooses to create an account. 3. The system prompts the user with a form to create the account. 4. The user fills in specific data for the Employee. 5. The user submits the account creation form. 6. The system creates the account with success. | | |
| **Alternative flows** | **12.1 Existing username**   1. The manager chooses to create an account. 2. The system prompts the user with a form to create the account. 3. The user writes a username that already exists in the database. 4. The system prompts the user that the username is already taken. 5. The user can choose another username for the new account. 6. Return to step 3 of 11.0 normal flow. | | |
| **Exceptions** | **12.0.E1 Account creation fails**   1. The user may contact IT support. | | |

# **Use case planning**

* Iteration 1: UC-1 Login, UC-2 Logout, Record attendance, View attendees
* Iteration 2: Create Employee account, Manage all tasks, View tasks, Notification on logout, Assign task
* Iteration 3: Remove task, Update task, Handle tasks