# **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: 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 has access to the application. | | |
| **Postconditions** | The list of attending employees is displayed. | | |
| **Normal flow** | **1.0 View the list**   1. The manager opens the application. 2. The system displays the list of attending employees. | | |
| **Alternative flows** | * 1. **Extension point: Select**  1. The manager selects an attending employee. 2. Redirect to step 1 of 2.0 flow of UC-2 | | |
| **Exceptions** | - | | |

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| **ID and name** | UC-2: 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** | **2.0 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** | **2.0.E1 Task assignment fails**   1. The manager manually communicates the task to the Employee. | | |

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| **ID and name** | UC-3: 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** | 1. **Record attendance with success** 2. The employee opens the application. 3. The employee logs in. 4. The system displays employee’s perspective. 5. The employee selects the option to mark their attendance. 6. The system saves employee’s arrival time. 7. The system informs the manager that a new employee has attended. | | |
| **Alternative flows** | - | | |
| **Exceptions** | **3.0.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-4: 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** | 1. **View tasks** 2. The employee logs in the application. 3. The employee selects the option to view tasks. 4. The system displays the list of assigned tasks. 5. The employee selects a task to work on. 6. The employee completes the task. | | |
| **Alternative flows** | **4.1 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** | **4.0.E1 There are technical issues with accessing tasks**   1. The employee may contact IT support. | | |

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| **ID and name** | UC-5: Logout | | |
| **Primary actor** | Employee | **Secondary actors** | System, 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** | **5.0 Logout**   1. The employee finishes work. 2. The employee logs out of the application. 3. The system notifies the manager of the Employee’s logout. | | |
| **Alternative flows** | **5.1 Forgot to logout**   1. Employee forgets to logout. 2. The system automatically logs them out after a set period of inactivity or after the work day finish time. 3. Return to step 3 of normal flow. | | |
| **Exceptions** | **5.0.E1 Notification system fails**   1. The manager may manually verify employee attendance | | |

# **Use case planning**

* Iteration 1: UC-3, UC-5
* Iteration 2: UC-1, UC-2
* Iteration 3: UC-4