**Employee Surveilance(ES)**

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| ID and name | UC-1: Log in | | |
| Primary actor | Employee | Secondary actors | Boss, ES |
| Description | An employee accesses ES by entering his credidentials, and time he arrived at work | | |
| Trigger | An employee comes to work and needs to log in. | | |
| Preconditions |  | | |
| Postconditions | POST-1: The boss gets to know an employee logged on. | | |
| Normal flow | 1. The employe enters their credidentials correctly and clicks the button for log in. (exceptions) 2. The credidentials are validated as correct by ES 3. ES automatically takes the time they logged on. 4. ES displays a message for success and stores the information. 5. ES opens the employee terminal. | | |
| Alternative flows |  | | |
| Exceptions | **1.0.E1 Wrong user**  1.EMS did not find an employee in the database with the given username and displays a warning message: Username not found!”.  2.Return back to step 1.  **1.0.E2 Wrong password**  1.EMS finds the employee, but the password is wrong. It displays the message “Wrong password!”.  2.Return back to step 1. | | |

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| ID and name | UC-2: Add employee | | |
| Primary actor | Administrator | Secondary actors | ES |
| Description | The administrator completes a form for a new employee account and adds them. | | |
| Trigger | The administrator wants to create a new account for an employee. | | |
| Preconditions | PRE-1: Admin is logged in.  PRE-2: The account doesn’t exist. | | |
| Postconditions | POST-1: The new account is stored in the database. | | |
| Normal flow | 1. The administrator completes a form for a new employee. 2. ES sees the data as valid. 3. ES adds the account in the database and displays a message:”User added!” | | |
| Alternative flows |  | | |
| Exceptions | **2.0.E1 Validation error**   1. At least a field is not valid: first name, last name, CNP, username or password. 2. EMS will show an error message.   2.Return back to step 1. | | |

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| ID and name | UC3: Update employee | | |
| Primary actor | Administrator | Secondary actors | ES |
| Description | The admiinstrator modifies information about an account and saves the new version. | | |
| Trigger | The administrator wants to modify an account | | |
| Preconditions | PRE-1: Admin is logged in.  PRE-2: The account exists. | | |
| Postconditions | POST-1: The new information is stored. | | |
| Normal flow | 1. The administrator chooses an account. 2. They modify the fields and click the update button. 3. ES sees the data as valid. 4. ES updates the account in the database and displays a message:”User updated!” | | |
| Alternative flows |  | | |
| Exceptions | **4.0.E1 Validation error**   1. At least a field is not valid: first name, last name, CNP, username or password. 2. EMS will show an error message.   2.Return back to step 1. | | |

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| ID and name | UC4: Delete employee | | |
| Primary actor | Administrator | Secondary actors | ES |
| Description | The administrator chooses an account and deletes it. | | |
| Trigger | The administrator wants to delete an account | | |
| Preconditions | PRE-1: Admin is logged in.  PRE-2: The account exists. | | |
| Postconditions | POST-1: The removed account is removed from the database. | | |
| Normal flow | 1. The administrator chooses an account. 2. They click the delete button. 3. ES deletes the account in the database and displays a message:”User deleted!” | | |
| Alternative flows |  | | |
| Exceptions |  | | |

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| ID and name | UC-5: Assign task | | |
| Primary actor | Boss | Secondary actors | ES |
| Description | The boss asigns a task to an employee, along a short description. | | |
| Trigger | The boss needs to assign a task to an employee. | | |
| Preconditions | PRE-1: The boss is logged in.  PRE-2: The employee exists. | | |
| Postconditions | POST-1: The task is stored in the database. | | |
| Normal flow | 1. ES shows the list of current logged employees. 2. The boss selects an employee. 3. The boss fills in a form and clicks the assign task button. 4. Ems sees the data entered as valid. 5. Ems stores the task in the database. 6. The boss gets a confirmation message. | | |
| Alternative flows |  | | |
| Exceptions | **5.0.E1 Invalid fields**   1. One of the fields is invalid and EMS shows message “Invalid [field name]!”. 2. Return to step 4. | | |

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| ID and name | UC-6: Finish task | | |
| Primary actor | Employee | Secondary actors | ES |
| Description | An emplyee finishes a task. | | |
| Trigger | An employee wants to notifiy the boss that he completed one oh their tasks. | | |
| Preconditions | PRE-1: The employee is logged in.  PRE-2: The task exists. | | |
| Postconditions | POST-1: The task status is changed from: ”PENDING” to ”FINISHED” | | |
| Normal flow | 1. The employee chooses a task. 2. The employee clicks the Finish Task button. 3. ES validates the data. 4. ES changes the status of the task in the database. | | |
| Alternative flows |  | | |
| Exceptions |  | | |

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| ID and name | UC-7: Finish work | | |
| Primary actor | Employee | Secondary actors | ES |
| Description | The employee finished some of his tasks and logs out. | | |
| Trigger | The employee wants to log off. | | |
| Preconditions | PRE-1: The employeee is logged in. | | |
| Postconditions | POST-1: The employee’s leave time is set in the database.  POST-2: The boss is notified about the departure of said employee. | | |
| Normal flow | 1. Employee clicks the ”leave work” button. 2. ES stores the leave time. | | |
| Alternative flows |  | | |
| Exceptions |  | | |