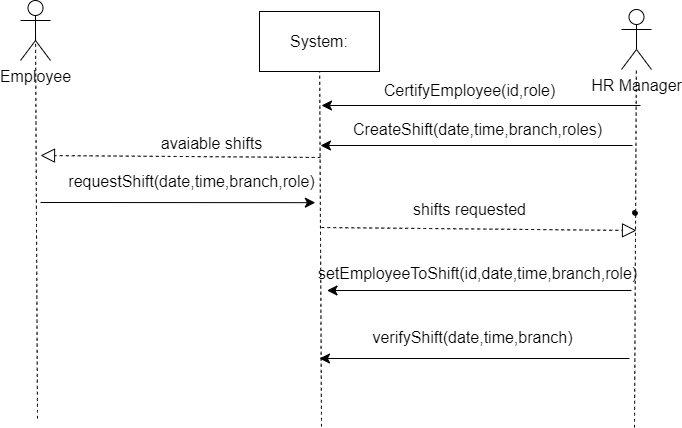
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| --- |
| Use case name: Assign Employees To Shifts. |
| Textual Description: Process of assigning employee to shifts that take place in different times and different branches. |
| List of Actors: HR manager, Employee. |
| Pre-conditions: Employee and HR Manager are identified and authenticated. |
| Post-conditions: Shift exists (created), Employee is registered to it to a role he requested in it, while he is certified to do that role. Employee is registered to only one role. Employee is not registered to any other shift that happens at the same day. Employee is not registered to more than 6 shifts that week. Employee is part of the branch the shift takes place in. |
| Main success scenario:  1.HR manager certifies an employee to take part in certain roles.  2.HR manager creates a shift on a given date, time and branch, specifies it's needed roles and amount of each role.  3.Employee chooses his shifts out of the available choices that are relevant to him.  4.For each shift employee has to specify which role he wants to be, out of his available roles.  5.HR manager gets the employee's requests for shifts and roles and registers him accordingly. |
| Alternatives/Extensions:  3a. Employee already registered to a shift that day, registered to 6 shifts that week:   1. Request won't be sent.   4a. Employee chooses a role he is not certified to be:   1. Request won't be sent.   5a. HR manager tries to register an employee to a shift and/or role he had not requested:   1. Registration will fail, effect won't take place and a notice will be sent.   6. HR manager will verify the shift.  6a. Shift didn't reach the needed amount of employees in every needed role:   1. A warning notice will be sent. |

**1. B**



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| --- |
| Use case name: Send A Transport |
| Textual Description: |
| List of Actors: |
| Pre-conditions: |
| Post-conditions: |
| Main success scenario: |
| Alternatives/Extensions: |

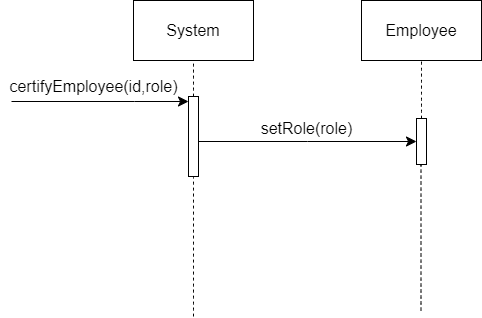
**.2.A**

**Contract 1: certifyEmployee (id,role)**

References: UseCases: Assign Employees To Shifts

Preconditions: Employee exists.

Postconditions: Employee's set of certifications is updated to have the mentioned role.



**Contract 2: createShift (date,time,branch,roles)**

References: UseCases: Assign Employees To Shifts

Preconditions: branch exists, shift is not created yet.

Postconditions: shift instance is created and initialized.

**Contract 3: requestShift (date,time,branch,role)**

References: UseCases: Assign Employees To Shifts

Preconditions:

1.Shift of the specified date, time and branch exists.

2.'role' is part of the shift's set of needed roles, employee is not registered to 6 or more shifts that week and not registered to a shift at all that date.

3.Employee exists and is certified to be that role.

Postconditions: Employee is associated with the mentioned shift, as a requesting employee.

**Contract 4: setEmployeeToShift (id,date,time,branch,role)**

References: UseCases: Assign Employees To Shifts

Preconditions: Employee is associated with the mentioned shift as a requesting employee, for the specified role.

Postconditions: Employee is associated with the shift as a registered employee for the specified role.

**Contract 5: verifyShift (date,time,branch)**

References: UseCases: Assign Employees To Shifts

Preconditions: shift exists.

Postconditions: shift's 'is verified' field is set to true.