

Employee Service DOC

Some Business Logic after deployment (Scenarios) shows working flow via Camunda and Swagger Documentation

After run ddl and dml Lookups look as below

```
[mysql> select * from employee_status ;
+-----+-----+-----+
| employee_status_id | employee_status_name | depends_on_status_id |
+-----+-----+-----+
| 1 | ADDED | NULL |
| 2 | IN_CHECK | 1 |
| 3 | APPROVED | NULL |
| 4 | ACTIVE | 3 |
+-----+-----+-----+
4 rows in set (0.00 sec)

[mysql> select * from employee_SUB_status ;
+-----+-----+-----+-----+
| employee_sub_status_id | employee_sub_status_name | employee_status_id | depends_on_sub_status_id |
+-----+-----+-----+-----+
| 1 | SECURITY_CHECK_STARTED | 2 | NULL |
| 2 | SECURITY_CHECK_FINISHED | 2 | 1 |
| 3 | WORK_PERMIT_CHECK_STARTED | 2 | NULL |
| 4 | WORK_PERMIT_CHECK_PENDING_VERIFICATION | 2 | 3 |
| 5 | WORK_PERMIT_CHECK_FINISHED | 2 | 4 |
+-----+-----+-----+-----+
5 rows in set (0.01 sec)

[mysql> select * from employee_transaction_type ;
+-----+-----+
| transaction_type_id | transaction_type_name |
+-----+-----+
| 1 | TRANSACTION_TYPE_ADD_EMPLOYEE |
| 2 | TRANSACTION_TYPE_UPDATE_STATUS |
| 3 | TRANSACTION_TYPE_FIND_EMPLOYEE |
+-----+-----+
3 rows in set (0.00 sec)
```

- Translation Table (Type for transactions)
- History (history for transaction and the events for sub status)

Step 1 : post employee

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed Elbaz",
  "employeeUserName": "Abdullah@workmotion.com"
}
```

The screenshot shows an API client interface with a light green background. On the left, under the 'Name' tab, the endpoint is 'employeesAddDTO' with a red asterisk and 'required' text, and '(body)' below it. On the right, under the 'Description' tab, the endpoint is 'employeesAddDTO'. Below the description, there are tabs for 'Example Value' and 'Model', with 'Example Value' selected. A text area contains a JSON object: {"employeeAge": 30, "employeeName": "Abdullah Hamed Elbaz", "employeeUserName": "Abdullah@workmotion.com"}. Below the text area is a red 'Cancel' button. Further down, a 'Parameter content type' dropdown menu is set to 'application/json'. At the bottom, there is a blue 'Execute' button and a 'Clear' button.

Step 2 : get employee

```
{
  "employeeName": "Abdullah Hamed Elbaz",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeeAge": 30,
  "lastEmployeeSubtatusName": null,
  "employeesStatus": {
    "employeeStatusId": 1,
    "employeeStatusName": "ADDED"
  },
  "employeeProcessId": "4d5169b0-abd8-11ed-b92e-fe3c4d4dd0e1"
}
```

employeeUserName * required

string (query)

employeeUserName

Abdullah@workmotion.com

Execute --Dockerfile Clear

Responses Response content type */*

Curl

```
curl -X GET "http://localhost:8052/api/employee/?employeeUserName=Abdullah@workmotion.com" -H "accept: */*"
```

Request URL

```
http://localhost:8052/api/employee/?employeeUserName=Abdullah@workmotion.com
```

Server response

Code Details

200

Response body

```
{
  "employeeName": "Abdullah Hamed Elbaz",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeeAge": 30,
  "lastEmployeeSubstatusName": null,
  "employeesStatus": {
    "employeeStatusId": 1,
    "employeeStatusName": "ADDED"
  },
  "employeeProcessId": "4d5169b0-abd8-11ed-b92e-fe3c4d4dd0e1"
}
```

Download

```
mysql> select * from employees ;
+-----+-----+-----+-----+-----+-----+
| employee_id | employee_name | employee_username | employee_age | employee_status_id | employee_process_id |
+-----+-----+-----+-----+-----+-----+
| 1 | Abdullah Hamed Elbaz | Abdullah@workmotion.com | 30 | 1 | 4d5169b0-abd8-11ed-b92e-fe3c4d4dd0e1 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

```
mysql> select * from employee_transaction_history ;
+-----+-----+-----+-----+-----+-----+
| transaction_history_id | transaction_history_date | transaction_type_id | employee_id | employee_status_id | employee_Sub_status_id |
+-----+-----+-----+-----+-----+-----+
| 1 | 2023-02-13 21:55:01.796000 | 1 | 1 | 1 | NULL |
| 2 | 2023-02-13 21:55:07.913000 | 3 | 1 | 1 | NULL |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Transaction type 1 > for post

Transaction type 2 > for get

Step 3 : INCORRECT SENARIO SET ACTIVE status

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "ACTIVE"
  }
}
```

Abdullah Hamed > abduellahelbaz11@gmail.com

Step 4 : change status to in-check

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "IN_CHECK"
  }
}
```

| transaction_history_id | transaction_history_date | transaction_type_id | employee_id | employee_status_id | employee_Sub_status_id |
|------------------------|----------------------------|---------------------|-------------|--------------------|------------------------|
| 1 | 2023-02-13 21:55:01.796000 | 1 | 1 | 1 | NULL |
| 5 | 2023-02-13 22:01:10.442000 | 2 | 1 | 2 | NULL |
| 3 | 2023-02-13 22:01:10.367000 | 2 | 1 | 2 | 1 |
| 4 | 2023-02-13 22:01:10.367000 | 2 | 1 | 2 | 3 |

4 rows in set (0.00 sec)

```
mysql>
```

```
-> employee_transaction_history emt left join employee_sub_status ess on emt.employee_sub_status_id = ess.employee_sub_status_id ,
-> employee_status es , employees e where emt.employee_status_id = es.employee_status_id and e.employee_id = emt.employee_id
-> and e.employee_id = 1 and transaction_type_id != 3 order by status , sub_status;
```

| name | status | sub_status | date | transaction_type |
|----------------------|----------|---------------------------|----------------------------|------------------|
| Abdullah Hamed Elbaz | ADDED | NULL | 2023-02-13 21:55:01.796000 | 1 |
| Abdullah Hamed Elbaz | IN_CHECK | NULL | 2023-02-13 22:01:10.442000 | 2 |
| Abdullah Hamed Elbaz | IN_CHECK | SECURITY_CHECK_STARTED | 2023-02-13 22:01:10.367000 | 2 |
| Abdullah Hamed Elbaz | IN_CHECK | WORK_PERMIT_CHECK_STARTED | 2023-02-13 22:01:10.367000 | 2 |

4 rows in set (0.00 sec)

Event (Listner in camunda) insert > start security ,start work

Step 5 : INCORRECT STEP > SET WORK_PERMIT_CHECK_FINISHED WITHOUT Verification EVENT

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "IN_CHECK"
  },
  "lastEmployeeSubtatusName": "WORK_PERMIT_CHECK_FINISHED"
}
```

Abdullah Hamed > abduellahelbaz11@gmail.com

| Server response | |
|-----------------|--|
| Code | Details |
| 404 | Error: |
| | Response body |
| | <pre>{ "status": "CONFLICT", "timestamp": "13-02-2023 10:19:18", "code": "EMP-REQ-0009", "message": "THIS Status [IN_CHECK] your sub status in correct not depends on the exist Or null !", "debugMessage": "THIS Status [IN_CHECK] your sub status in correct not depends on the exist or null !" }</pre> |
| | Response headers |

Step 6 : set sub status WORK_PERMIT_CHECK_PENDING_VERIFICATION

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "IN_CHECK"
  },
  "lastEmployeeSubtatusName": "WORK_PERMIT_CHECK_PENDING_VERIFICATION"
}
```

Step 7 : set sub status WORK_PERMIT_CHECK_FINISHED

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "IN_CHECK"
  },
  "lastEmployeeSubtatusName": "WORK_PERMIT_CHECK_FINISHED"
}
```

```
ee_id = emt.employee_id and e.employee_id = 1 and transaction_type_id != 3 order by status , sub_status;
```

| name | status | sub_status | date | transaction_type |
|----------------------|----------|--|----------------------------|------------------|
| Abdullah Hamed Elbaz | ADDED | NULL | 2023-02-13 21:55:01.796000 | 1 |
| Abdullah Hamed Elbaz | IN_CHECK | NULL | 2023-02-13 22:01:10.442000 | 2 |
| Abdullah Hamed Elbaz | IN_CHECK | SECURITY_CHECK_STARTED | 2023-02-13 22:01:10.367000 | 2 |
| Abdullah Hamed Elbaz | IN_CHECK | WORK_PERMIT_CHECK_FINISHED | 2023-02-13 22:21:15.907000 | 2 |
| Abdullah Hamed Elbaz | IN_CHECK | WORK_PERMIT_CHECK_PENDING_VERIFICATION | 2023-02-13 22:20:39.219000 | 2 |
| Abdullah Hamed Elbaz | IN_CHECK | WORK_PERMIT_CHECK_STARTED | 2023-02-13 22:01:10.367000 | 2 |

```
6 rows in set (0.00 sec)

mysql>
```

Step 8 : get employee by user name (still in-check)

```
{
  "employeeName": "Abdullah Hamed Elbaz",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeeAge": 30,
  "lastEmployeeSubtatusName": null,
  "employeesStatus": {
    "employeeStatusId": 2,
    "employeeStatusName": "IN_CHECK"
  },
  "employeeProcessId": "4d5169b0-abd8-11ed-b92e-fe3c4d4dd0e1"
}
```

Step 9: set sub status SECURITY_CHECK_FINISHED

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "IN_CHECK"
  },
  "lastEmployeeSubtatusName": "SECURITY_CHECK_FINISHED"
}
```

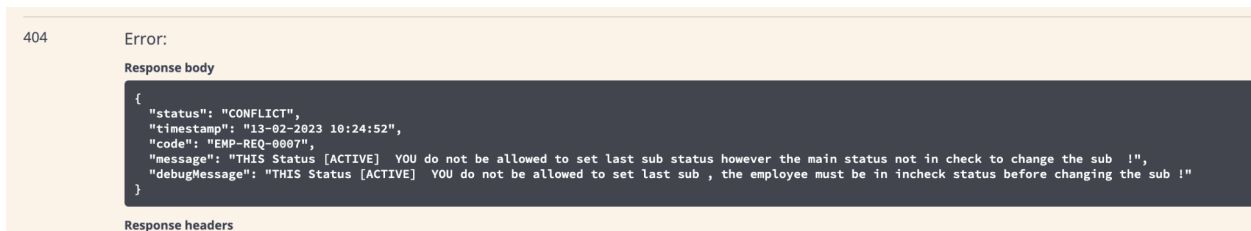
Step 10 : get employee by user name (Approved finished all event)

```
{
  "employeeName": "Abdullah Hamed Elbaz",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeeAge": 30,
  "lastEmployeeSubtatusName": null,
  "employeesStatus": {
    "employeeStatusId": 3,
    "employeeStatusName": "APPROVED"
  },
  "employeeProcessId": "4d5169b0-abd8-11ed-b92e-fe3c4d4dd0e1"
}
```

Abdullah Hamed > abduhahelbaz11@gmail.com

Step 11 : Set Active by sub status (ICORRECT ACTION)

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "ACTIVE"
  },
  "lastEmployeeSubtatusName": "SECURITY_CHECK_FINISHED"
}
```



Step 12 Set Active Success

```
{
  "employeeAge": 30,
  "employeeName": "Abdullah Hamed",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeesStatus": {
    "employeeStatusId": 0,
    "employeeStatusName": "ACTIVE"
  }
}
```

Step 13 Get employee by user name

```
{
  "employeeName": "Abdullah Hamed Elbaz",
  "employeeUserName": "Abdullah@workmotion.com",
  "employeeAge": 30,
  "lastEmployeeSubtatusName": null,
  "employeesStatus": {
    "employeeStatusId": 4,
    "employeeStatusName": "ACTIVE"
  },
  "employeeProcessId": "4d5169b0-abd8-11ed-b92e-fe3c4d4dd0e1"
}
```