

РАБОТА С ПРОЦЕСИ

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Департамент “Информатика”

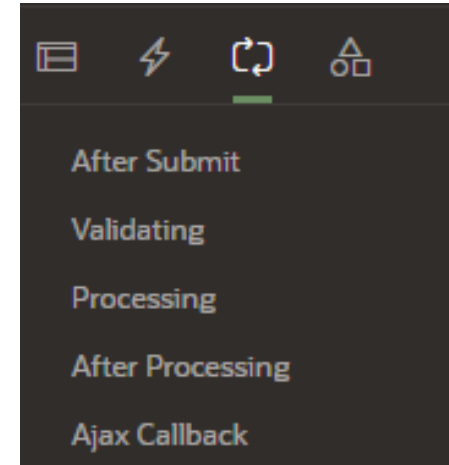
INFM210 Тема 7

Пролетен семестър 2022/2023

ПРОЦЕС

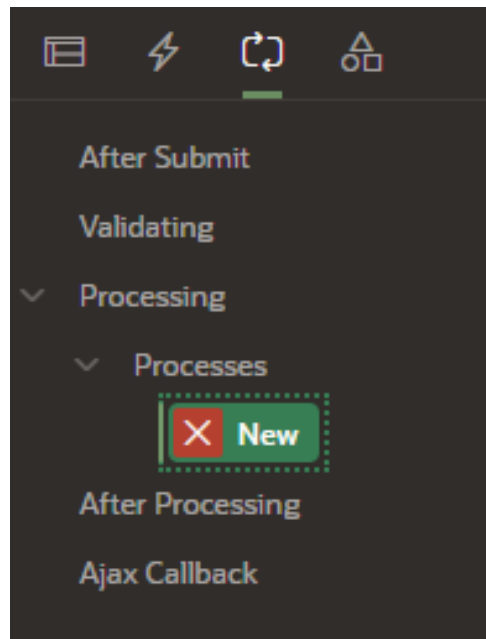
Процес

- During the *After Submit* stage
- During the *Validation* stage
- During the *Processing* stage
- During the *After Processing* stage
- Ajax Callback



Създаване на процес

- Processing -> Create Process



A screenshot of the 'Identification' and 'Source' panels in a software interface. The 'Identification' panel has fields for 'Name' (set to 'New'), 'Type' (set to 'Execute Code' with a dropdown arrow), and 'Editable Region' (set to '- Select -' with a dropdown arrow). The 'Source' panel has fields for 'Location' (set to 'Local Database' with a dropdown arrow), 'Language' (set to 'PL/SQL' with a dropdown arrow), and a 'PL/SQL Code' section with a red 'X' icon and a text area for code entry.

ПРИМЕРИ

Employee Data Entry

- Създайте празна страница с горното име, ID 17 и създайте връзка в менюто към нея

Employees

| Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno | Offsite |
|-------|-------|----------|------|-----------|------|------|--------|---------|
| 7876 | ADAMS | CLERK | 7788 | 1/12/1983 | 1100 | - | 20 | N |
| 7499 | ALLEN | SALESMAN | 7698 | 2/20/1981 | 1600 | 300 | 30 | Y |
| 7698 | BLAKE | MANAGER | 7839 | 5/1/1981 | 2850 | - | 30 | N |
| 7782 | CLARK | MANAGER | 7839 | 6/9/1981 | 2450 | - | 10 | N |
| 7902 | FORD | ANALYST | 7566 | 12/3/1981 | 3000 | - | 20 | N |

1-5

6-10

11-14

Delete Employee

Emp

Insert Employee

Name

Job

Mgr

Sal

Dept

Update Employee

Emp

Job

Sal

Dept

Employees region

- Classic Report
- Source – EMP table
- Да се визуализират 5 реда – настройва се в Attributes → Layout → Number of Rows

Employees

| Empno ↑≡ | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno | Offsite |
|----------|--------|----------|------|------------|------|------|--------|---------|
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | | 20 | N |
| 7499 | ALLEN | SALESMAN | 7698 | 2/20/1981 | 1600 | 300 | 30 | Y |
| 7521 | WARD | SALESMAN | 7698 | 2/22/1981 | 1250 | 500 | 30 | Y |
| 7566 | JONES | MANAGER | 7839 | 4/2/1981 | 2975 | | 20 | N |
| 7654 | MARTIN | SALESMAN | 7698 | 9/28/1981 | 1250 | 1400 | 30 | N |

Delete Employee Region (1)

- Създайте Static Content region с име **Delete Employee**
- Стартира на нов ред
- 4 колони ширина

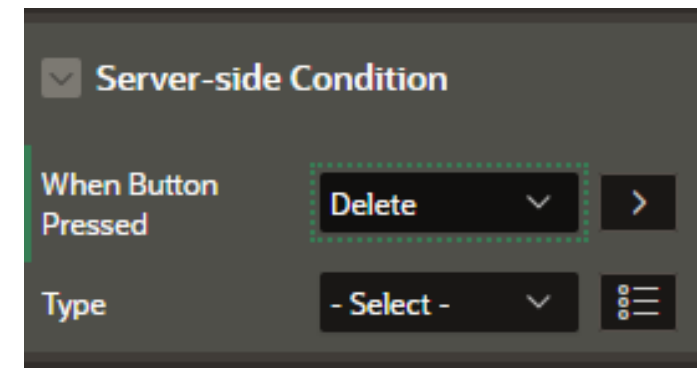
Delete Employee

Delete

Emp 8010 ▼

Delete Employee Region (2)

- **P17_DELETE_EMPNO** – Select List, Display Extra Values off
`select EName, EmpNo from EMP order by Ename`
- Button **Delete**, action Submit Page
- Process **DeleteEmp**
`begin`
`delete from EMP`
`where EmpNo = :P17_DELETE_EMPNO;`
`end;`



Insert Employee Region (1)

- Създайте Static Content region с име **Insert Employee**
- Стартира на същия ред като **Delete Employee** region
- 4 колони ширина

Insert Employee

Insert

Emp

Job

▼

Mgr

▼

Sal

Dept

▼

Insert Employee Region (2)

- **P17_INSERT_ENAME** – Text field
- **P17_INSERT_JOB** – Select List
`select distinct Job as DisplayVal, Job as ResultVal from EMP`
- **P17_INSERT_MGR** – Select List
`select EName, EmpNo from EMP where Job = 'MANAGER'`
- **P17_INSERT_SAL** – Number field
- **P17_INSERT_DEPTNO** – Select List
`select DName, DeptNo from DEPT`
- Button – **Insert**, action Submit Page

Insert Employee Region (3)

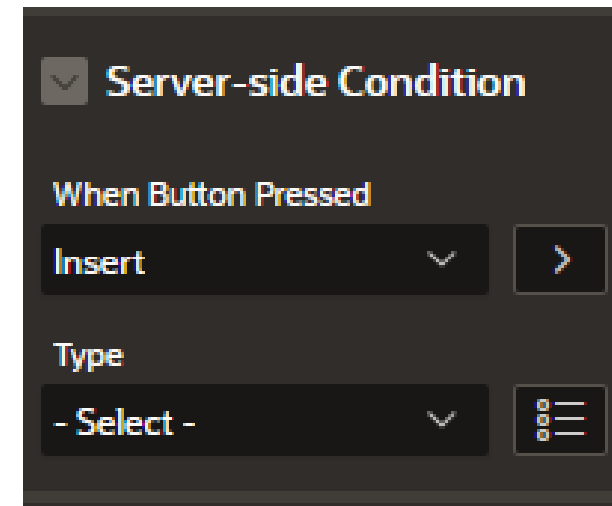
- Process **InsertEmp**

begin

```
insert into EMP (ENAME, Job, Mgr, Sal, DeptNo, HireDate,  
Comm, Offsite)
```

```
values (:P17_INSERT_ENAME,  
        :P17_INSERT_JOB,  
        :P17_INSERT_MGR,  
        :P17_INSERT_SAL,  
        :P17_INSERT_DEPTNO,  
        current_date, 0, 'N') ;
```

end;



Update Employee Region (1)

- Създайте Static Content region с име **Update Employee**
- Стартира на същия ред като **Insert Employee** region,
- 4 колони ширина

Update Emolyee

Getinfo

Update

Emp

Job

Mgr

Sal

Dept

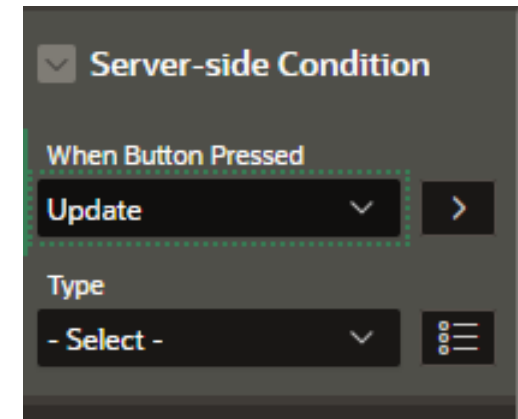
Update Employee Region (2)

- **P17_UPDATE_EMPNO** – Select List, Display Extra Values off
`select EName, EmpNo from EMP order by Ename`
- **P17_UPDATE_JOB** – Select List
`select distinct Job as DisplayVal, Job as ResultVal from EMP`
- **P17_UPDATE_SAL** – Number field
- **P17_UPDATE_DEPTNO** – Select List
`select DName, DeptNo from DEPT`
- Buttons – **GetInfo** и **Update**, action Submit Page

Update Employee Region (3)

- **UpdateEmp** Process

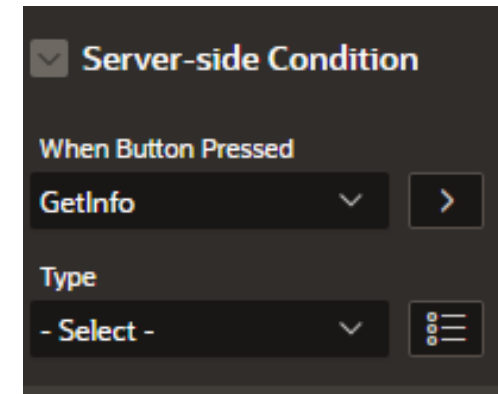
```
begin
  update EMP
  set Job = :P17_UPDATE_JOB,
  Sal = :P17_UPDATE_SAL,
  DeptNo = :P17_UPDATE_DEPTNO
  where EmpNo = :P17_UPDATE_EMPNO;
end;
```



Update Employee Region (3)

- **GetInfo Process**

```
begin
  select Job, Sal, DeptNo
  into :P17_UPDATE_JOB, :P17_UPDATE_SAL, :P17_UPDATE_DEPTNO
  from EMP
  where EmpNo = :P17_UPDATE_EMPNO;
end;
```



Благодаря за вниманието!



Въпроси?