

РАБОТА СЪС СЕЦИИ

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Департамент “Информатика”

INFM210 Тема 6

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СЕСИЯ

Сесия

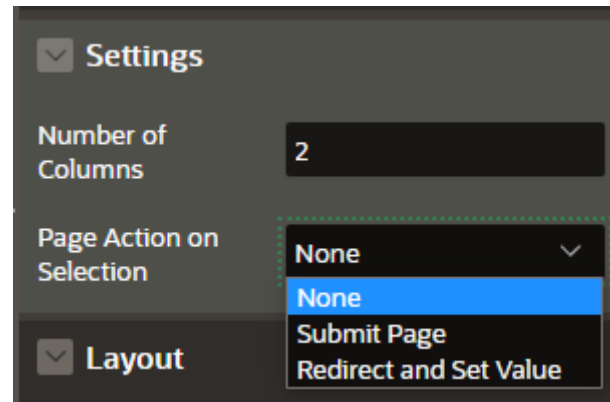
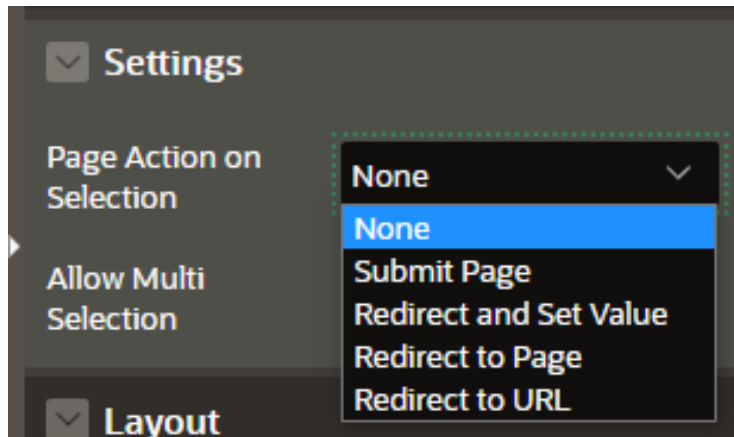
`https://apex.oracle.com/pls/apex/f?p=4000:1:109783136720781`

`f?p=appID:pageID:session`

- Изпращане на данни с бутон:
 - Submit** – всички промени в елементите на страницата се прикачат към променливи и се изпращат към APEX
 - Redirect** – пренасочване към друга страница/URL
- Използване на променливи:
 - `:P8_ItemName` – SQL style
 - `&P8_ItemName.` – HTML style

Изпращане на данни от Item

- Password field – Settings – Submit when Enter pressed
- Select List/Radio group – Settings – Page Action on Selection



ПРИМЕР – SELECT LISTS

Filter by Job and Department (1)

- Създайте празна страница с горното име и **ID9**
- Select Values
(**Static Content Region**)
 - **P9_JOB** (select list)
 - **P9_DEPTNO** (select list)
- Matching Employees
(**Classic Report Region**)

Select Values

Job

CLERK

▼

Dept

RESEARCH

▼

Submit

Matching Employees

Empno	Ename	Job	Sal	Deptno
7876	ADAMS	CLERK	1100	20
7369	SMITH	CLERK	800	20

1 - 2

Filter by Job and Department (2)

- P9_JOB SQL

```
select distinct Job as DisplayVal, Job as ResultVal  
from EMP  
order by DisplayVal
```

- P9_DEPTNO SQL

```
select DName, DeptNo  
from DEPT  
order by DName
```

Filter by Job and Department (3)

- Matching Employees (Report Region) SQL

```
select EmpNo, EName, Job, Sal, DeptNo
from EMP
where (:P9_JOB is null or Job = :P9_JOB)
and (:P9_DEPTNO is null or DeptNo = :P9_DEPTNO)
order by EName
```


ПРИМЕР – CHECKBOX GROUP

Filter by Possible Departments

- Създайте празна страница с горното име и **ID10**, и два региона
- Checkbox Group SQL (**P10_DEPTNO**)

```
select DName, DeptNo  
from DEPT  
order by Dname
```
- Classic report SQL

```
select EmpNo, EName, Job, Sal, DeptNo  
from EMP  
where InStr(':', || :P10_DEPTNO || ':',':' || DeptNo || ':') > 0  
order by EName
```

Select Some Departments

Deptno

☒ **ACCOUNTING** ☐ OPERATIONS
☐ RESEARCH ☐ SALES

Submit

New

Empno	Ename	Job	Sal	Deptno
7782	CLARK	MANAGER	2450	10
7839	KING	PRESIDENT	5000	10
7934	MILLER	CLERK	1300	10

1 - 3

Filter by Possible Departments (2)

- Създайте бутон **Submit** в региона на Checkbox Group
 - Бутонът има дейност Submit page, която ще предизвика презареждане на страницата с ново зареждане на отчета според избраните check boxes.
- Настройте бутона според изображението.

Layout

Sequence
30

Region
Select Some Dep ▼ >

Position
Region Body ▼

Start New Row
☐

Column
4 ▼

Column Span
Automatic ▼

Select Some Departments

Deptno

☒ ACCOUNTING ☐ OPERATIONS
☐ RESEARCH ☐ SALES

New

Empno	Ename	Job	Sal	Deptno
7782	CLARK	MANAGER	2450	10
7839	KING	PRESIDENT	5000	10
7934	MILLER	CLERK	1300	10

1 - 3

ПРИМЕР – MASTER-DETAIL REPORT

Master-Detail Reports (1)

- Създайте нова празна страница **Employees by Department** с ID 12
- Два региона тип **Classic Report**
 - **Departments**
 - **Employee Details**
- Скрити полета (**hidden items**) в Departments
 - **P12_DEPTNO**
 - **P12_DNAME**
 - Регионът **Departments** ще съхранява избория DEPTNO, DNAME в тези полета.

Departments

Dname	Loc	Empcount	
ACCOUNTING	NEW YORK	3	Click to see details
RESEARCH	DALLAS	5	Click to see details
SALES	CHICAGO	6	Click to see details
OPERATIONS	BOSTON	0	Click to see details

1 - 4

Employee Details: RESEARCH department

Empno	Ename	Job	Sal
7876	ADAMS	CLERK	1100
7902	FORD	ANALYST	3000
7566	JONES	MANAGER	2975
7788	SCOTT	ANALYST	3000
7369	SMITH	CLERK	800

1 - 5

Master-Detail Reports (2)

- **Departments SQL**

```
select d.DName, d.Loc, count(e.EmpNo) as EmpCount, d.DeptNo
from EMP e right join DEPT d on e.DeptNo = d.DeptNo
group by d.DeptNo, d.DName, d.Loc
order by DName
```

- **Employees Details SQL**

```
select EmpNo, EName, Job, Sal
from EMP
where DeptNo = :P12_DEPTNO
order by EName
```

Master-Detail Reports (3)

- В **Department** отчета
 - Сменяте типа на полето **DEPTNO** на **Link**
 - В **Link – Target** се извършва следната настройка
- Името на отчета **Employee Details** се променя на **Employee Details: &P12_DNAME. department**

Link Builder - Target

☒ Target

Type: Page in this application

Page: 12

☒ Set Items

Name	Value
P12_DEPTNO	#DEPTNO#
P12_DNAME	#DNAME#

☒ Clear / Reset

Clear Cache

Action: **None** Clear Regions Reset Regions Reset Pagination

Master-Detail Reports (4)

- В **Department** отчета
 - Сменяте типа на полето **DEPTNO** на **Link**
 - В **Link – Target** се извършва настройката от екранната снимка →
 - **Heading** се оставя празен, а в **Link** → **Link Text** → “Click to see details”

A dark-themed UI element with a dropdown arrow and the label 'Heading'.

A dark-themed dialog box titled 'Link'. It contains a 'Target' field with the text 'Page 12' and a 'Link Text' field with the text 'Click to see details'.

A dark-themed dialog box titled 'Link Builder - Target'. It has a 'Target' section with a dropdown menu set to 'Page in this application' and a 'Page' field set to '12'. Below is a 'Set Items' section with a table of items. At the bottom, there is a 'Clear / Reset' section with a 'Clear Cache' field and an 'Action' row with buttons for 'None', 'Clear Regions', 'Reset Regions', and 'Reset Pagination'.

Name	Value
P12_DEPTNO	#DEPTNO#
P12_DNAME	#DNAME#

- Името на отчета **Employee Details** се променя на **Employee Details: &P12_DNAME. department**

ПРИМЕР – CASCADING LISTS

Cascading Lists(1)

- Създайте нова празна страница **Cascading Lists** с ID 14
- Два региона тип Classic Report
- За да се избегнат предупрежденията при презареждане на страницата от браузера, установете в **Page → Navigation → Warn on Unsaved Changes → Off**

Get Employee Info

Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Get Employee Info Cascaded

First Letter Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Cascading Lists (2)

Регион Get Employees Info

- Select List **P14_EMPNO** SQL

```
select EName, EmpNo from EMP order by Ename
```

- Задайте в **Settings - Redirect and Set Value**

- SQL за **Get Employees Info**

```
select e.EmpNo, d.DName, e.Job, e.Sal, d.Loc  
from EMP e join DEPT d on e.DeptNo = d.DeptNo  
where e.EmpNo = :P14_EMPNO  
order by EmpNo
```

Get Employee Info

Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Get Employee Info Cascaded

First Letter Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Cascading Lists (3)

Регион Get Employees Info Cascaded

- SQL за Get Employee Info Cascaded

```
select e.EmpNo, d.DName, e.Job, e.Sal, d.Loc
from EMP e join DEPT d on e.DeptNo = d.DeptNo
where e.EmpNo = :P14_EMPNO_CASCADE
order by EmpNo
```

Get Employee Info

Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Get Employee Info Cascaded

First Letter Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Cascading Lists (4)

Регион Get Employees Info Cascaded

- Select List **P14_FIRST_LETTER** SQL

```
select FirstLetter as DisplayVal, FirstLetter
as ResultVal
from (select distinct substr(ENAME, 1, 1) as
FirstLetter from EMP)
order by DisplayVal
```
- Задайте в **Settings** – **Redirect and Set Value**

Get Employee Info

Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Get Employee Info Cascaded

First Letter Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Cascading Lists (5)

Регион Get Employees Info Cascaded

- Select List **P14_EMPNO_CASCADE** SQL

```
select EName, EmpNo
from EMP
where substr(EName, 1, 1) = :P14_FIRST_LETTER
order by Ename
```
- Задайте в **Settings - Redirect and Set Value**
- Select List **P14_EMPNO_CASCADE** SQL
 - **Display extra values - off**

Get Employee Info

Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Get Employee Info Cascaded

First Letter Choose Employee

Empno	Dname	Job	Sal	Loc
7934	ACCOUNTING	CLERK	1300	NEW YORK

1 - 1

Благодаря за вниманието!



Въпроси?