

Udemeee

# Teil 3

(Video 00060)

# PL/SQL Dynamic Content

The screenshot displays the Oracle APEX Page Designer interface for 'Application 467' in 'Page Designer' mode. The main workspace shows a page layout with a 'New' region containing a 'Static Content' item. A red arrow points from the 'Static Content' icon in the 'Regions' palette to the 'Static Content' item in the workspace. The 'Page Item' properties panel on the right is visible, showing the 'Template' set to 'Hidden' and 'Template Options' set to 'Use Template Defaults'. The 'Regions' palette at the bottom includes various components like 'Interactive Report', 'Legacy Calendar', 'List', 'Map Chart', 'PL/SQL Dynamic Content', 'Region Display Selector', 'Static Content', 'Tabular Form', 'Tree', and 'URL'.

Application 467 > Page Designer

Grid Layout Messages Page Search Help

Rendering 1 2

Page 7: Course Page

- Pre-Rendering
- Regions
  - Content Body
    - </> New
      - Attributes
      - Items
        - P7\_COURSE\_ID
        - P7\_COURSE\_TITLE**
  - Post-Rendering

Page Item

- Identification
- Label
- Settings
- Layout
- Grid
- Appearance
  - Template: Hidden
  - Template Options: Use Template Defaults
  - CSS Classes
  - Format Mask
  - List of Values
  - Advanced
  - Source
  - Default

Regions Items Buttons

Function

- Interactive Report
- Legacy Calendar
- List
- Map Chart
- PL/SQL Dynamic Content
- Region Display Selector
- Static Content**
- Tabular Form
- Tree
- URL

Rendering

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Page 7: Course Page

- Pre-Rendering
- Regions
  - Content Body
    - New
      - Attributes
      - Items
        - P7\_COURSE\_ID
        - P7\_COURSE\_TITLE
      - Sub Regions
        - New
  - Post-Rendering

Grid Layout

Messages 1

Page Search

Help

COPY EDIT PREVIOUS NEXT

ITEMS

P7\_COURSE\_TITLE

REGION CONTENT

SUB REGIONS

- New
  - PREVIOUS
  - ITEMS
  - REGION CONTENT
  - SUB REGIONS
  - NEXT

Regions Items Buttons

Function

- Interactive Report
- Legacy Calendar
- List
- Map Chart
- PL/SQL Dynamic Content
- Region Display Selector
- Static Content
- Tabular Form
- Tree
- URL

Region

Identification

Title: New

Type: PL/SQL Dynamic

Source

Layout

Appearance

Template: Blank with Attribu

Template Options: Use Template Defaults

CSS Classes

Icon CSS Classes

Item Display Position: Above Content

Grid

Advanced

Header and Footer

Code Editor - PL/SQL Code

↶ ↷ 🔍 ↔ A.. ✔ ⚙️

```
1 BEGIN  
2   http.p('<h1>Hello world!</h1>');  
3 END;
```

Is required!

Rendering 1= 2=

Page 7: Course Page

- Pre-Rendering
- Regions
  - Content Body
    - New
      - Attributes
      - Items
        - P7\_COURSE\_ID
        - P7\_COURSE\_TITLE

Region

Identification

Title: New

Type: PL/SQL Dynamic

Source

- PL/SQL Code ↶

```
BEGIN  
  http.p(' <h1>Hello world!</h1> ');  
END;
```

Cancel OK

Options

CSS Classes

Icon CSS Classes

Item Display Position: Above Content

Grid

New

Learn PHP

# Hello world!

release 1.0 [Set Screen Reader Mode On](#)



# Delete the subregion

The screenshot displays the Oracle APEX Page Designer interface for 'Application 467' and 'Page Designer'. The main workspace shows a page layout with a 'SUB REGIONS' section containing a 'New' subregion. A context menu is open over the 'New' subregion, with the 'Delete' option highlighted in red. The menu includes options like 'Display From Page', 'Display From Here', 'Expand', 'Delete', 'Move To', 'Copy To', and various 'Hide' options. The left sidebar shows the page structure, including 'Page 7: Course Page', 'Regions', 'Content Body', and 'Sub Regions'. The right sidebar shows the 'Region' properties, including 'Identification', 'Source', 'PL/SQL Code', 'Layout', 'Appearance', and 'Grid'.

Application 467 > Page Designer

Grid Layout Messages Page Search Help

Rendering

Page 7: Course Page

- Pre-Rendering
- Regions
  - Content Body
    - New
      - Attributes
      - Items
        - P7\_COURSE\_ID
        - P7\_COURSE\_TITLE
      - Sub Regions
        - New
    - Post-Rendering

Sub Regions

- NEW
- PREVIOUS
- ITEMS
- REGION CONTENT
- SUB REGIONS
- NEXT

Regions Items Buttons

Interactive Report Legacy Calendar List

Static Content Tabular Form Tree

Region

Identification

Title New

Type PL/SQL Dynamic

Source

PL/SQL Code

```
BEGIN
  http.p('<h1>Hello world!</h1>');
END;
```

Layout

Appearance

Template Blank with Attribu

Template Options Use Template Defaults

CSS Classes

Icon CSS Classes

Item Display Position Above Content

Grid

Display From Page Ctrl+Alt+T

Display From Here Ctrl+Alt+D

Expand Alt+F11

Delete Del

Move To >

Copy To >

Hide Empty Legacy Positions

Hide Empty Positions Ctrl+Alt+E

Hide Global Page Components

Hide Buttons

Hide Items

Rendering [Icons]

Page 7: Course Page

- Pre-Rendering
- Regions
  - Content Body
  - </> New**
    - Attributes
    - Items
      - P7\_COURSE\_ID
      - P7\_COURSE\_TITLE
  - Post-Rendering

Grid Layout Messages Page Search Help

[Search icons]

COPY EDIT PREVIOUS NEXT

ITEMS

P7\_COURSE\_TITLE

Display Only

REGION COMPONENT

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

FOOTER

INLINE DIALOGS

Regions Items Buttons

Checkbox Color Picker Date Picker Display Image **Display Only** File Browse...

Hidden List Manager Number Field Password Popup LOV Radio Group

Region

Identification

Title: New

Type: Static Content

Source

Text

Layout

Appearance

Template: Standard

Template Options: Use Template Defaults, Scroll - Default

CSS Classes

Icon CSS Classes

Item Display Position: Above Content

Grid

- Pre-Rendering
- Regions
  - Content Body
    - New
      - Attributes
      - Items
        - P7\_COURSE\_ID
        - P7\_COURSE\_TITLE
        - P7\_COURSE\_TITLE
- Post-Rendering

### Template Options

General

- Use Template Defaults
- Stretch Form Item

Size: Large

Cancel OK

Appearance

Template: Hidden

Template Options: Use Template Defaults

CSS Classes

Format Mask

COPY EDIT PREVIOUS NEXT

ITEMS

P7\_COURSE\_TITLE

P7\_COURSE\_TITLE

REGION CONTENT

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

FOOTER

INLINE DIALOGS

Regions Items Buttons

Checkbox Color Picker

Identification

Name: P7\_COURSE\_SUBTITLE

Type: Display Only

Label

Settings

Layout

Grid

Appearance

List of Values

Advanced

Source

Type: SQL Query (return single value)

- Static value
- Database Column
- Item
- SQL Query (return single value)
- SQL Query (return colon separate)
- PL/SQL Expression
- PL/SQL Function Body
- Preference

### Code Editor - SQL Query

```
Is required!  
select SUBTITLE  
from UDM_COURSE  
where ID = :P7_COURSE_ID
```

SQL-Statement kann von P7\_COURSE\_TITLE kopiert werden, bzw. könnte das ganze Item kopiert werden und angepaßt

- Development
- Business
- Courses
- Subcategory Page
- Course Tabular Form

New

### Learn PHP

Learn how to program PHP cuz it's awesome

▼ Grid

Start New Row	<input checked="" type="radio"/> Yes <input type="radio"/> No
Column	Automatic
Column Span	Automatic
Label Column Span	0
Column CSS Classes	
Column Attributes	

Setzt man den Label Column Span auf 0, wird das Label nicht nur unsichtbar, sondern der Platz wird „freigegeben“

Rendering [Icons]

Page 7: Course Page  
Pre-Rendering  
Regions  
Content Body  
New  
Attributes  
Items  
P7\_COURSE\_ID  
P7\_COUR  
P7\_COUR

Grid Layout Messages Page Search Help

PAGE HEADER  
PAGE NAVIGATION  
BREADCRUMB BAR  
CONTENT BODY  
New  
COPY EDIT PREVIOUS NEXT  
P7\_COURSE\_TITLE  
P7\_COURSE\_SUBTITLE  
CONTENT

- Create Page Item
- Create Button
- Create Computation
- Create Validation
- Create Dynamic Action
- Duplicate**
- Delete Del
- Copy to other Page...
- Page Search
- Expand All Below
- Collapse All Below

Items Buttons [Icons]

Color Picker Date Picker Display Image Display Only File Browse...  
List Manager Number Field Password Popup LOV Radio Group

Page Item [Icons]

Region New

Grid

Start New Row Yes No

Column Automatic

Column Span Automatic

Label Column Span 0

Column CSS Classes

Column Attributes

Appearance

Template Hidden

Template Options Use Template Defaults, X Large

CSS Classes

Format Mask

List of Values

Rendering [Icons]

Page 7: Course Page  
Pre-Rendering  
Regions  
Content Body  
New  
Attributes  
Items  
P7\_COURSE\_ID  
P7\_COURSE\_TITLE  
P7\_COURSE\_SUBTITLE  
**P7\_COURSE\_SUBCAT**  
Post-Rendering

Grid Layout Messages Page Search Help

PAGE HEADER  
PAGE NAVIGATION  
BREADCRUMB BAR  
CONTENT BODY  
New  
COPY EDIT PREVIOUS NEXT  
ITEMS  
P7\_COURSE\_TITLE  
P7\_COURSE\_SUBTITLE  
**P7\_COURSE\_SUBCAT**

Page Item

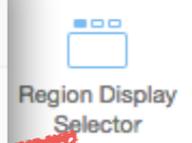
Identification  
**Name** P7\_COURSE\_SUBCAT  
Type Display Only

Label  
Settings  
Layout  
Grid  
Appearance  
List of Values  
Advanced  
Source

Regions Items Buttons

### Code Editor - SQL Query

```
1 select CATEGORY || ' / ' || SUBCATEGORY as CATSUBCAT  
2 from UDM_COURSE  
3 where ID = :P7_COURSE_ID  
4
```



Type SQL Query (return)

SQL Query  
select CATEGORY || ' / ' || SUBCATEGORY as CATSUBCAT  
from UDM\_COURSE  
where ID = :P7\_COURSE\_ID



Rendering

Page 7: Course Page

- Pre-Rendering
- Regions
  - Content Body
    - New
      - Attributes
      - Items
        - P7\_COURSE\_ID
        - P7\_COURSE\_TITLE
        - P7\_COURSE\_SUBTITLE
        - P7\_COURSE\_CAT\_SUBCA
        - P7\_COURSE\_PRICE**
  - Post-Rendering

### Code Editor - SQL Query

```
1 select '€' || TO_CHAR(PRICE, '999.99') as price
2 from UDM_COURSE
3 where ID = :P7_COURSE_ID
```

Cancel OK

Page Item

Identification

me P7\_COURSE\_PRICE

Display Only

Label

Settings

Layout

Grid

Appearance

List of Values

Advanced

Source

SQL Query (retur

```
select '€' || TO_CHAR(PRICE, '999.99') as price
from UDM_COURSE
where ID = :P7_COURSE_ID
```

-  Development ▼
-  Business ▼
-  Courses
-  Subcategory Page
-  Course Tabular Form

New

**Learn PHP**

**Learn how to program PHP cuz it's awesome**

**Development / Web Development**

**€ 25.00**

release 1.0 [Set Screen Reader Mode On](#)

# Create Table

Columns

\* Table Name  ?

Preserve Case

Column Name	Type	Precision	Scale	Not Null	Identity	Move
<input type="text" value="ID"/>	<input type="text" value="NUMBER"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text" value="- None -"/>	^ v
<input type="text" value="COURSE_ID"/>	<input type="text" value="NUMBER"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text" value="- None -"/>	^ v
<input type="text" value="TITLE"/>	<input type="text" value="VARCHAR2"/>		<input type="text" value="200"/>	<input checked="" type="checkbox"/>		^ v
<input type="text" value="Description"/>	<input type="text" value="VARCHAR2"/>		<input type="text" value="2000"/>	<input type="checkbox"/>		^ v
<input type="text" value="status"/>	<input type="text" value="VARCHAR2"/>		<input type="text" value="100"/>	<input checked="" type="checkbox"/>		^ v
<input type="text"/>	<input type="text" value="- Select Datatype -"/>					^ v
<input type="text"/>	<input type="text" value="- Select Datatype -"/>					^ v
<input type="text"/>	<input type="text" value="- Select Datatype -"/>					^ v

Add Column

Cancel

Next >

# Create Table



Table name: **UDM\_COURSE\_LECTURE** ?

Primary Key:  No Primary Key ?  
 **Populated from a new sequence**  
 Populated from an existing sequence  
 Not populated  
 Populated by Identity column

\* Primary Key Constraint Name  ?

\* Primary Key  ?

\* Sequence Name  ?

## Primary Key

A primary key allows each row in a table to be uniquely identified.

If you select to populate your primary key from a new sequence, you will be prompted to enter the new sequence's name. If you select to populate your primary key from an existing sequence, you will be prompted to select the sequence. Both these methods result in the generation of a trigger against your table. You can also select to not populate your primary. This is the only method that allows you to define a composite primary key made up of more than two columns.



Cancel

Next >

# Create Table



Foreign Key

## Foreign Keys

Foreign Key Columns Referenced Table Referenced Columns Action

### Add Foreign Key

Add

Name  ?

- Disallow Delete  
 Cascade Delete  
 Set Null on Delete

Select Key Column(s)

ID  
TITLE  
DESCRIPTION  
STATUS



COURSE\_ID



References Table

^ ?

Referenced Column(s)

TITLE  
SUBTITLE  
CATEGORY  
SUBCATEGORY  
ICON  
PRICE  
INSTRUCTOR  
RATING



ID



# Create Table



## Foreign Keys

Foreign Key	Columns	Referenced Table	Referenced Columns	Action
UDM_COURSE_LECTURE_FK	COURSE_ID	UDM_COURSE	ID	Default <span>×</span>

## Add Foreign Key

Add

Name  ?

- Disallow Delete
- Cascade Delete
- Set Null on Delete

Select Key Column(s)

ID  
COURSE\_ID  
TITLE  
DESCRIPTION  
STATUS



References Table

^ ?

Referenced Column(s)



Next >

# Create Table



Constraints

Constraint Name	Type	Column(s)/Check
-----------------	------	-----------------

Add

Constraint Type  Check  Unique

Check Condition

Key Column(s)

ID  
COURSE\_ID  
TITLE  
DESCRIPTION  
STATUS



\* Name



<

Cancel

Next >

# Create Table



Move to

Confirm

Please confirm your request.

Schema: **STUETZ** 

Table name: **UDM\_COURSE\_LECTURE** 

> SQL



Cancel

Create Table

- Tables
- 
- BEST\_SAL
  - BNK\_BESTANDSKONTO
  - BNK\_BUCHUNG
  - BNK\_KONTO
  - BNK\_KONTOTYP
  - BNK\_VIEW
  - BNK\_ZAHLUNG
  - BONUS
  - CRYPTO
  - CUSTOMER
  - DEPT
  - DUMMY
  - EBA\_UT\_CHART\_PROJECTS
  - EBA\_UT\_CHART\_TASKS
  - EMP
  - FL\_PASSENGER
  - ITEM
  - ORD
  - PRICE
  - PRODUCT
  - SALGRADE
  - SW\_CUSTOMER
  - SW\_ITEM
  - SW\_ORDERING
  - SW\_PRODUCT
  - T\_CONTACT

**UDM\_COURSE\_LECTURE**

**Table** | **Data** | **Indexes** | **Model** | **Constraints** | **Grants** | **Statistics** | **UI Defaults** | **Triggers** | **Dependencies** | **SQL**

Column Name	Data Type	Nullable	Default	Primary Key
ID	NUMBER	No	-	1
COURSE_ID	NUMBER	No	-	-
TITLE	VARCHAR2(200)	No	-	-
DESCRIPTION	VARCHAR2(2000)	Yes	-	-
STATUS	VARCHAR2(100)	No	-	-

[Download](#)

Master-Detail-Page

Rendering [Icons: Refresh, Undo, Redo]

Page 3: Course Details

- Pre-Rendering
- Regions
  - Content Body
    - Course Details
      - Attributes
      - Items
        - P3\_ID
        - P3\_TITLE
        - P3\_SUBTITLE
        - P3\_PRICE
        - P3\_CATEGORY
        - P3\_SUBCATEGORY
        - P3\_ICON
      - Region Buttons
        - CANCEL
        - DELETE
        - SAVE
        - CREATE
- Post-Rendering

Grid Layout Messages Page Search Help

Course Details

PAGE HEADER

PAGE NAVIGATION

BREADCRUMB BAR

MASTER DETAIL

CONTENT BODY RIGHT SIDE COLUMN

</> Course Details

COPY EDIT PREVIOUS NEXT

ITEMS

- P3\_TITLE
- P3\_SUBTITLE
- P3\_PRICE

Regions Items Buttons

Breadcrumb Calendar Chart Classic Report Classic Report (based on Function) Help Text

Interactive Report Legacy Calendar List Map Chart PL/SQL Dynamic Content Region Display Selector

Page

Identification

Appearance

User Interface Desktop

Page Mode Normal

Page Template Master Detail

Template Options Use Template Defaults

CSS Classes

Media Type

Navigation Menu

Navigation

JavaScript

CSS

HTML Header

Header and Footer

Read Only

Security

- Development
- Business
- Courses
- Subcategory Page
- Course Tabular Form

### Course Details

Title \*

Subtitle

Price

Category \*

Subcategory \*

Icon



Neuer Bereich für mögliche Actions

Rendering [Icons]

Page 3: Course Details

- Pre-Rendering
- Regions
  - Content Body
    - Course Details
      - Attributes
      - Items
        - P3\_ID
        - P3\_TITLE
        - P3\_SUBTITLE
        - P3\_PRICE
        - P3\_CATEGORY
        - P3\_SUBCATEGORY
        - P3\_ICON
      - Region Buttons
        - CANCEL
        - DELETE
        - SAVE
        - CREATE
    - Post-Rendering

Grid Layout Messages Page Search Help

The screenshot shows a page layout editor with a grid layout. The layout includes a header region (P3\_ICON), a main content region (REGION CONTENT) containing a sub-region (SUB REGIONS) with a yellow background. Below the sub-region are several buttons: CANCEL, DELETE, SAVE, and CREATE. A 'Region Display Selector' label points to a small icon in the SUB REGIONS area. Below the main content region is a footer region (FOOTER) and an inline dialog region (INLINE DIALOGS).

Regions Items Buttons

The component palette shows various UI components. The 'Region Display Selector' component is highlighted with a red box. Other components include Interactive Report, Legacy Calendar, List, Map Chart, PL/SQL Dynamic Content, Static Content, Tabular Form, Tree, and URL.

Page

The page properties panel shows settings for the page. The 'User Interface' is set to 'Desktop'. The 'Page Mode' is 'Normal'. The 'Page Template' is 'Master Detail'. The 'Template Options' are 'Use Template Defaults'. The 'CSS Classes' and 'Media Type' fields are empty. The 'Navigation Menu', 'Navigation', 'JavaScript', 'CSS', 'HTML Header', 'Header and Footer', 'Read Only', and 'Security' sections are collapsed.

Rendering [Icons]

Grid Layout Messages Page Search Help

Property Editor [Icons]

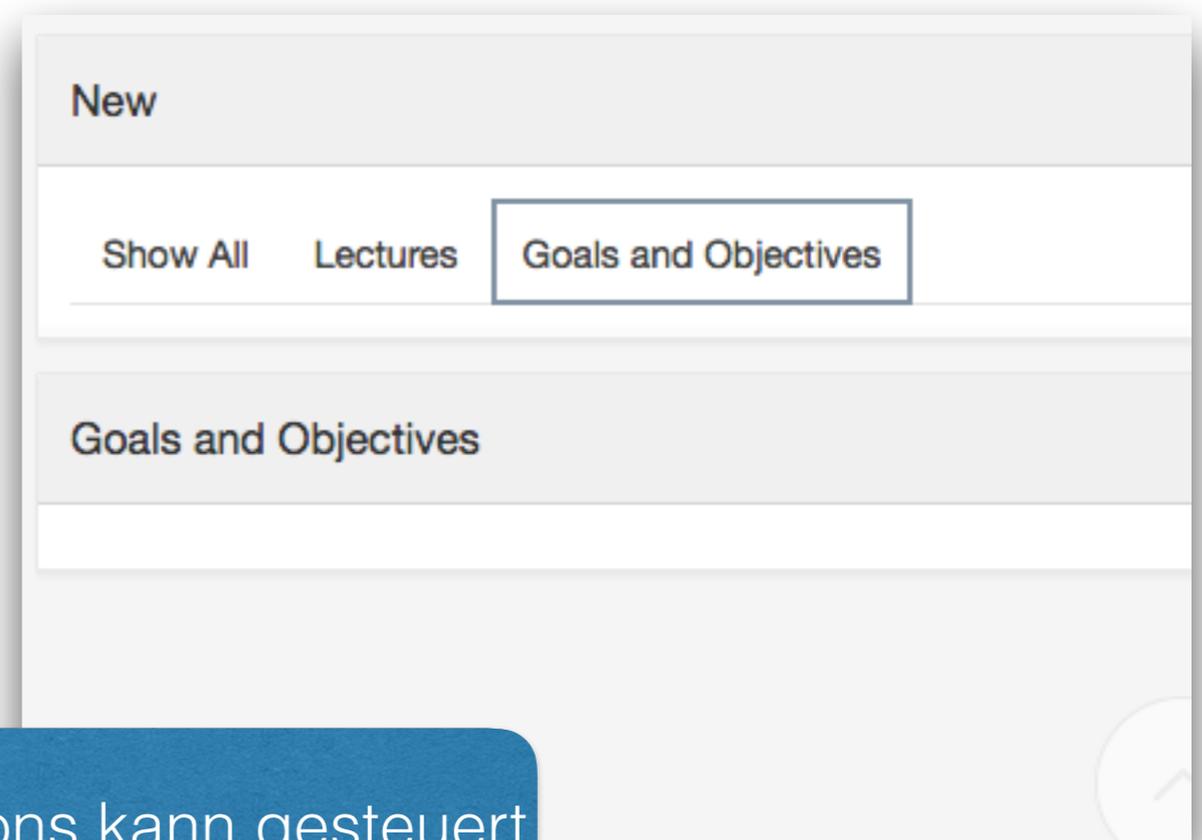
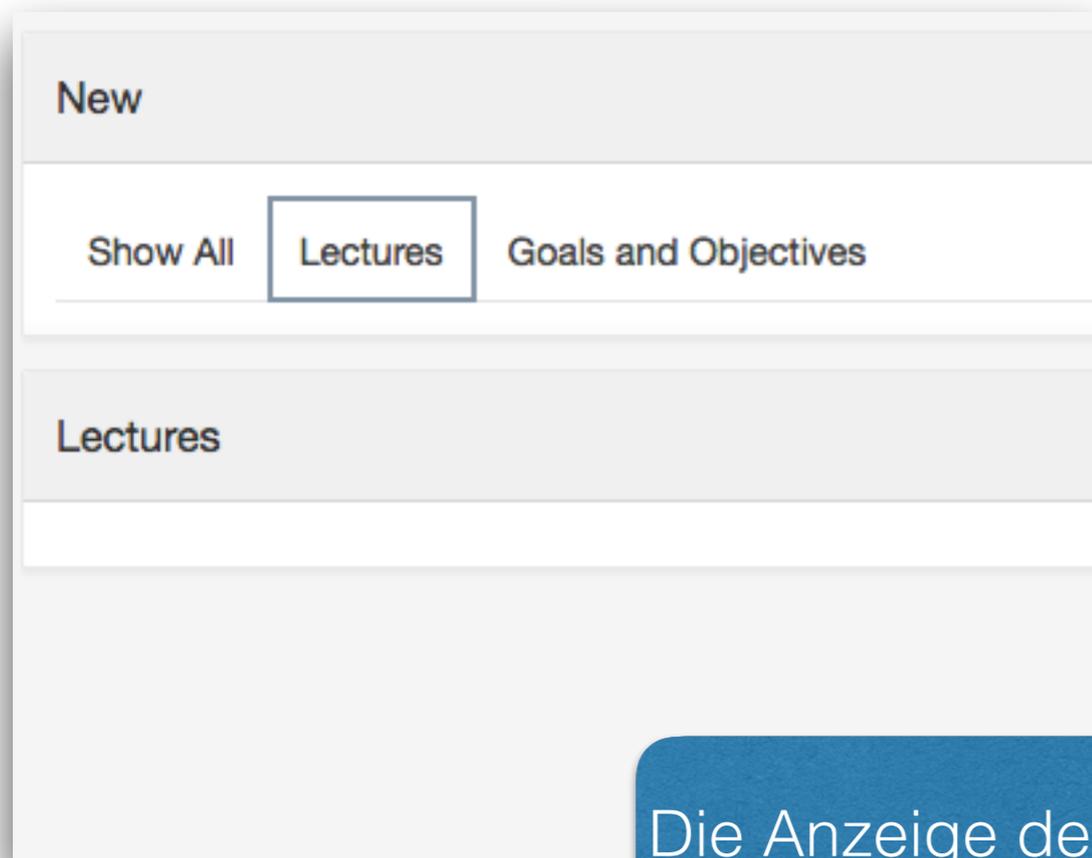
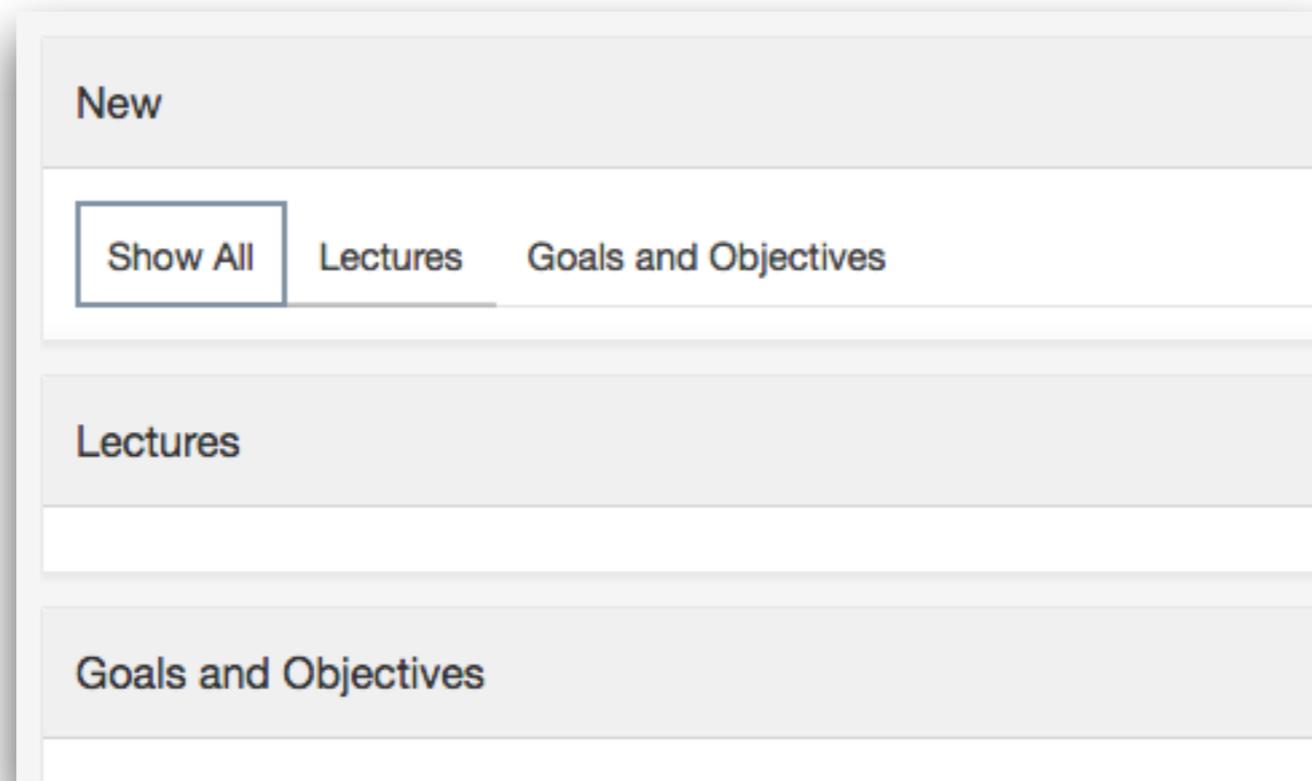
Page 3: Course Details  
Pre-Rendering  
Regions  
Content Body  
Course Details  
New  
Attributes  
Lectures  
Attributes  
Goals and Objectives  
Attributes  
Post-Rendering

Lectures  
COPY EDIT PREVIOUS NEXT  
REGION CONTENT  
ITEMS  
SUB REGIONS  
ITEMS  
SUB REGIONS  
CLOSE HELP DELETE CHANGE CREATE

Zusätzlich zum „Region display Selector“ werden noch zwei „Static Content“ - Regions darunter gesetzt

Regions Items Buttons  
Function  
Interactive Report Legacy Calendar List Map Chart PL/SQL Dynamic Content Region Display Selector  
Static Content Tabular Form Tree URL

No components currently selected.



Die Anzeige der Regions kann gesteuert werden

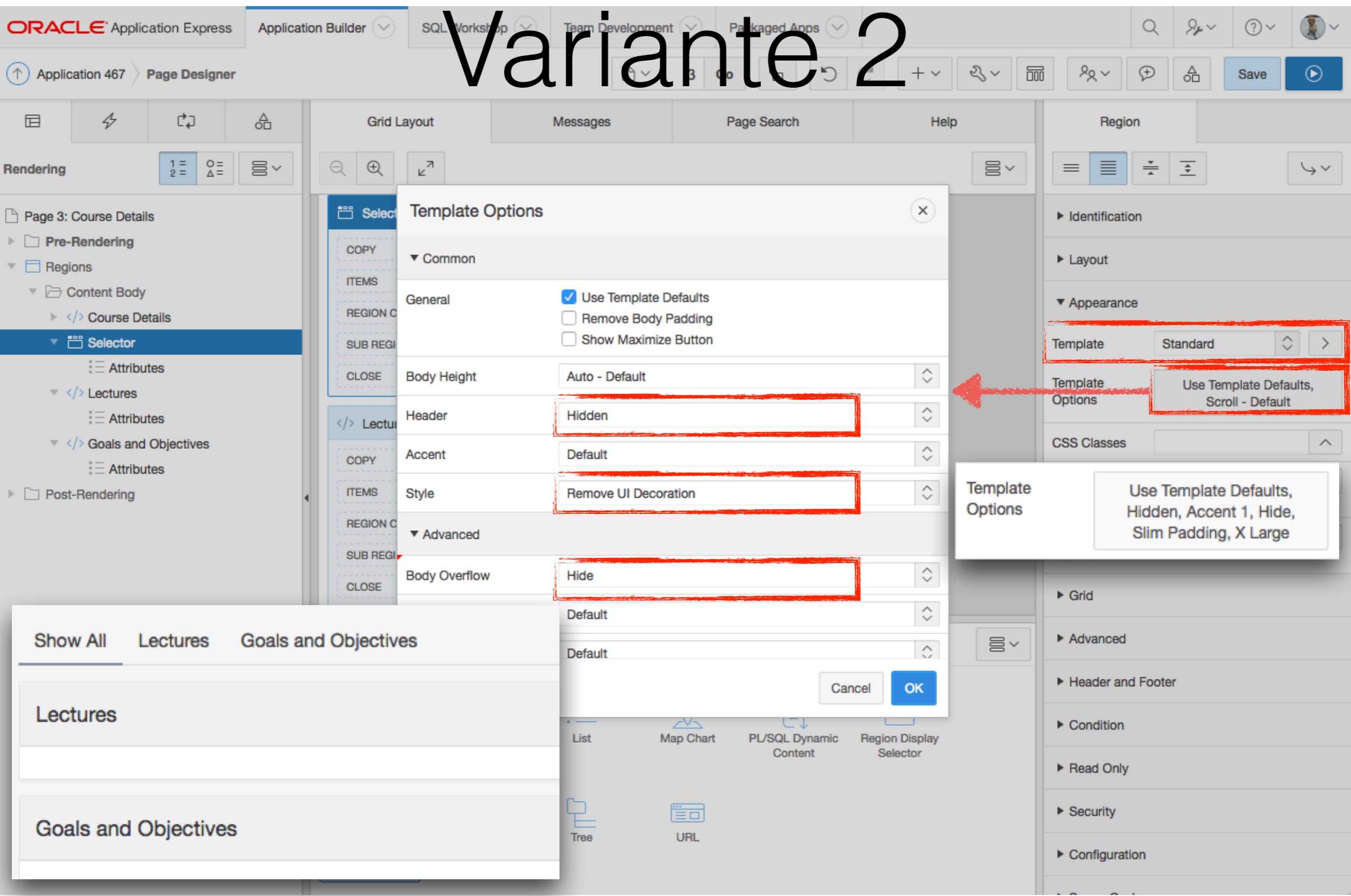
# Variante 1

The screenshot shows the Oracle APEX Page Designer interface for 'Application 467' and 'Page Designer'. The main workspace displays a 'Grid Layout' with a 'Selector' region highlighted. The 'Selector' region contains several sub-regions: 'PREVIOUS', 'ITEMS', 'REGION CONTENT', 'SUB REGIONS', and 'NEXT'. Below these is a 'Lectures' region with sub-regions 'COPY', 'EDIT', 'PREVIOUS', 'NEXT', 'ITEMS', 'REGION CONTENT', 'SUB REGIONS', and 'CLOSE', 'HELP', 'DELETE', 'CHANGE', 'CREATE'. On the right, the 'Region' properties panel is visible, with the 'Template' dropdown set to 'Blank with Attribu' (highlighted with a red box). Other options include 'Use Template Defaults', 'CSS Classes', and 'Icon CSS Classes'.

This screenshot shows a tabbed interface with three tabs: 'Show All', 'Lectures', and 'Goals and Objectives'. The 'Lectures' tab is active, displaying a white content area. The 'Goals and Objectives' tab is also visible, showing a white content area. This visual represents the output of the 'Blank with Attributes' template for the Selector region.

Wird für den Region-Selector als Template „Blank with Attributes“ gewählt, so entspricht sein Aussehen dem von Tabs

# Variante 2



Template Options

Use Template Defaults, Scroll - Default

Template Options

Use Template Defaults, Hidden, Accent 1, Hide, Slim Padding, X Large

Show All Lectures Goals and Objectives

Lectures

Goals and Objectives

Rendering [Icons]

- Page 3: Course Details
  - Pre-Rendering
  - Regions
    - Content Body
      - Course Details
      - Selector
        - Attributes
      - Lectures
        - Attributes
        - Region Buttons
          - AddLecture**
      - Goals and Objectives
        - Attributes
    - Post-Rendering

Grid Layout Messages Page Search Help

[Zoom icons]

CLOSE HELP DELETE CHANGE CREATE

</> Lectures

COPY EDIT PREVIOUS NEXT

ITEMS

REGION CONTENT

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

**AddLecture** ← Text [Hot]

</> Goals and Objectives

COPY EDIT PREVIOUS NEXT

ITEMS

REGION CONTENT

Button [Icons]

▼ Identification

Button Name	AddLecture
Label	Add Lecture

► Layout

► Appearance

► Behavior

► Advanced

► Condition

► Security

► Configuration

► Comments

► Audit Information

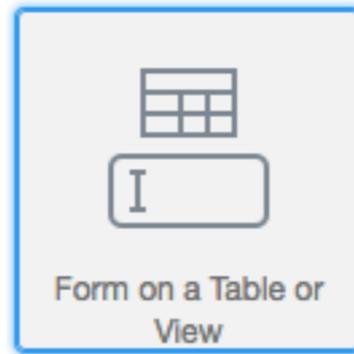
Regions Items **Buttons**

Icon Icon [Hot] Text Text [Hot] Text with Icon Text with Icon [Hot]

Create Page >



Form



Form on a Table or View

## Create Form on Table



### Table / View

This wizard builds a form to update a single row in a database table or view. Identify the schema owner and name of the table or view on which you wish to build a form.

\* Table / View Owner  ?

\* Table / View Name  ?



Cancel

Next >

## Create Form on Table



### Page and Region

Use this page to specify page and region information.

\* Page Number  ?

\* Page Name  ?

\* Page Mode  ?

\* Region Title  ?

Region Template  ?

Breadcrumb  ?

< Cancel

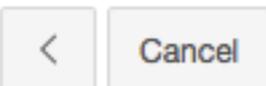
Next >

## Create Form on Table



### Navigation Menu

- Navigation Preference
- Do not associate this page with a navigation menu entry** 
  - Create a new navigation menu entry
  - Identify an existing navigation menu entry for this page



## Create Form on Table



Forms perform insert, update and delete operations on table rows in the database. The rows are identified using either a Primary Key defined on the table, or the ROWID pseudo column, which uniquely identifies a row in a table. Select "Managed by Database" if you would like to use the ROWID. Otherwise select the Primary Key column(s) defined for your table. Forms support up to two columns in the Primary Key. For tables using Primary Keys with more than two columns, the ROWID option should be used.

\* Primary Key Type:  Managed by Database (ROWID)

**Select Primary Key Column(s)**

\* Primary Key Column 1

Primary Key Column 2



Cancel

Next >

## Create Form on Table



Select the method by which the primary key is populated.

- Choose Existing Trigger if there is already a trigger to populate the primary key.
- Choose Custom PL/SQL Function to define custom PL/SQL logic to generate the primary key value.
- Choose Existing Sequence if an existing sequence will be used to generate the primary key.

Primary Key Column 1: **ID**

\* Source Type:  Existing trigger   
 Custom PL/SQL function  
 Existing sequence

\* Sequence

> **Custom PL/SQL Function Example**

> **Existing Triggers**

## Create Form on Table



Select the columns to include on the form.

\* Select Column(s)



COURSE\_ID (Number)  
TITLE (Varchar2)  
DESCRIPTION (Varchar2)  
STATUS (Varchar2)



< Cancel

Next >

## Create Form on Table



Identify the process options and button display text for the form. For example, to prevent users from being able to delete from the form, choose **No** for the delete button option.

Cancel Button Label	<input type="text" value="Cancel"/>	
Show Create Button	<input type="button" value="Yes"/>	
Create Button Label	<input type="text" value="Create"/>	
Show Save Button	<input type="button" value="Yes"/>	
Save Button Label	<input type="text" value="Apply Changes"/>	
Show Delete Button	<input type="button" value="Yes"/>	
Delete Button Label	<input type="text" value="Delete"/>	

## Create Form on Table



Confirm

You have requested to create a form on a table page with the following attributes. Please confirm your selections.

<b>Application</b>	467
<b>Page</b>	8
<b>Page Name</b>	Course Lecture Details
<b>Region Title</b>	Course Lecture Details
<b>Region Template</b>	Standard
<b>Table / View Owner</b>	STUETZ
<b>Table / View Name</b>	UDM_COURSE_LECTURE
<b>Primary Key Column 1</b>	ID
<b>Primary Key Column 2</b>	



Cancel

Create

### Link Builder - Target

Target

Type: Page in this application

Page: [ ^ ]

Set Items

Name	Value
[ ]	[ ^ ]

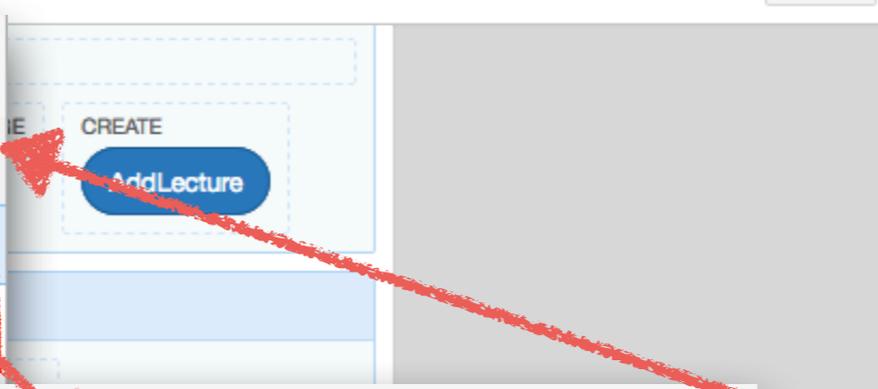
Clear Session State

Clear Cache: [ ]

Reset Pagination: Yes No

Advanced

Cancel



### Pick Page

Current User Interface All Pages

search [ > ]

Page Number	Page Name	User Interface
2	Courses	Desktop
3	Course Details	Desktop
4	Subcategory Page	Desktop
5	Update	Desktop
6	Landing Page	Desktop
7	Course Page	Desktop
8	Course Lecture Details	Desktop
101	Login Page	Desktop

### Button

Identification

Layout

Appearance

Behavior

Action: Defined by Dyna [ ^ ] [ > ]

- Submit Page
- Redirect to Page in this Application
- Redirect to Page in a different App
- Redirect to URL
- Defined by Dynamic Action

Execute Validations

Database Action

Advanced

Condition

Security

Configuration

Comments

Audit Information

Lectures

- Attributes
- Region Buttons
- AddLecture
- Goals and Objectives
- Attributes
- Post-Rendering

Rendering

- Page 3: Course Details
  - Pre-Rendering
  - Regions
    - Content Body
      - Course Details
        - Attributes
        - Items
          - P3\_ID
          - P3\_TITLE
          - P3\_SUBTITLE
          - P3\_PRICE
          - P3\_CATEGORY
          - P3\_SUBCATEGORY
          - P3\_ICON
        - Region Buttons
          - CANCEL
          - DELETE
          - SAVE
          - CREATE
        - Selector
          - Attributes
        - Lectures
          - Attributes
          - Region Buttons
            - AddLecture
        - Goals and Objectives
          - Attributes

Grid Layout

Messages 1

Page Search

Help

Link Builder - Target

Target

Type Page in this application

Page 8

Name	Value
P8_COURSE_ID	&P3_ID.

Clear Session State

Clear Cache

Reset Pagination Yes No

Advanced

Cancel Clear OK

Button

Identification

Layout

Appearance

Behavior

Action Redirect to Page i

Target No Link Defined

Database Action - Select -

Advanced

Condition

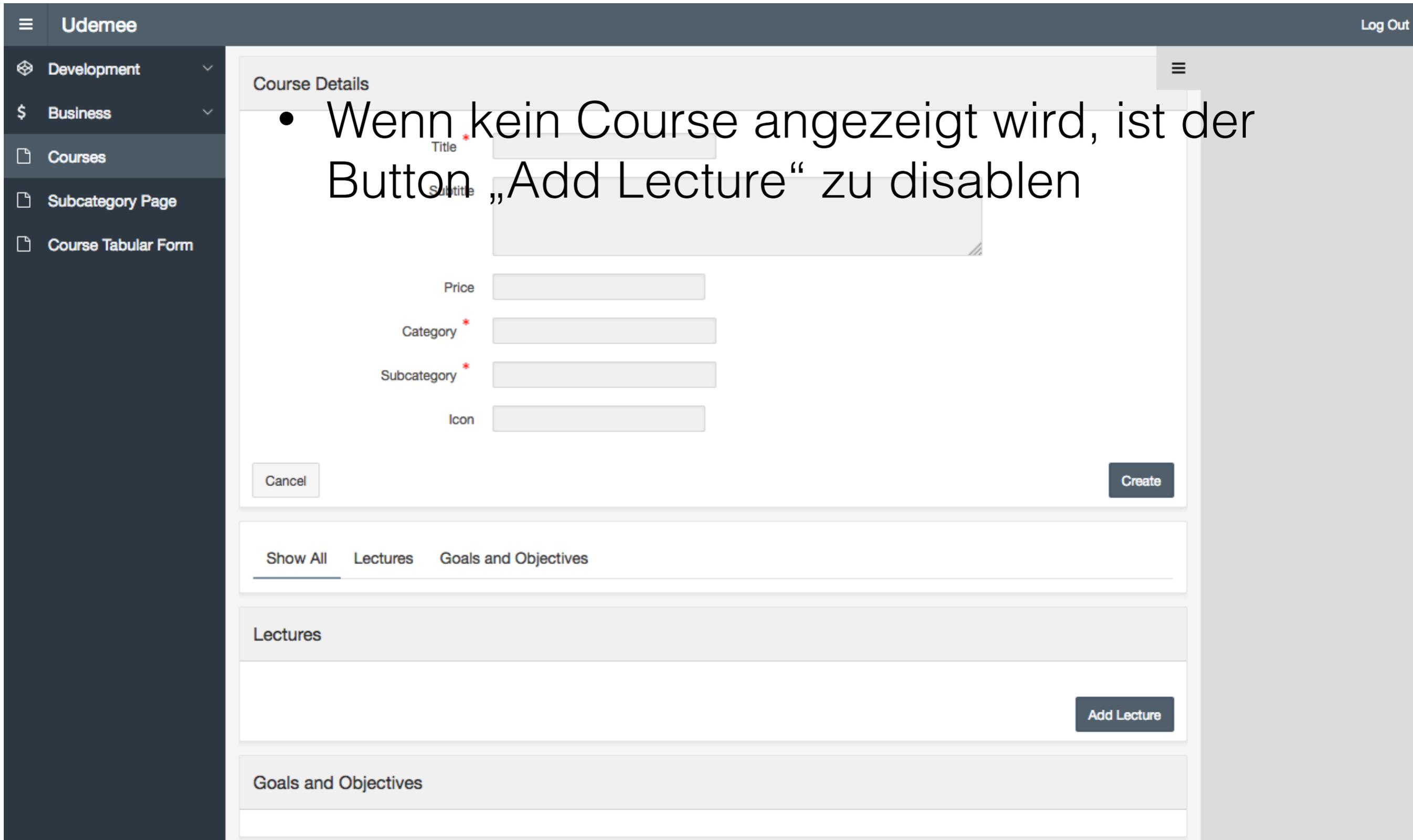
Security

Configuration

Comments

Audit Information

# Was ist zu tun?



The screenshot shows the Udemee course details form. The form includes fields for Title, Subtitle, Price, Category, Subcategory, and Icon. A text overlay is present over the form, stating: "• Wenn kein Course angezeigt wird, ist der Button „Add Lecture“ zu disablem". The form also features a "Cancel" button and a "Create" button. Below the form, there are tabs for "Show All", "Lectures", and "Goals and Objectives". The "Lectures" tab is selected, and an "Add Lecture" button is visible in the bottom right corner of the "Lectures" section.

Udemee Log Out

Development  
Business  
Courses  
Subcategory Page  
Course Tabular Form

Course Details

- Wenn kein Course angezeigt wird, ist der Button „Add Lecture“ zu disablem

Title \*  
Subtitle  
Price  
Category \*  
Subcategory \*  
Icon

Cancel Create

Show All Lectures Goals and Objectives

Lectures

Add Lecture

Goals and Objectives

Dynamic Actions

- Actions Fired on Page Load
- Events
  - Page Load
    - Page Load Set Add Lecture**
      - True
      - Show
      - False
      - Change
      - Click
      - Dialog Closed

Erstellen einer neuen Dynamic Action beim Event „Page Load“

Goals and Objectives

COPY EDIT PREVIOUS NEXT

ITEMS

REGION CONTENT

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

FOOTER

INLINE DIALOGS

Regions Items **Buttons**

Icon Icon [Hot] Text Text [Hot] Text with Icon Text with Icon [Hot]

Dynamic Action

Name Page Load Set Add Lecture

Execution Options

When

Advanced

Condition

Type Item is NULL

Item P3\_ID

Security

Configuration

Comments

Audit Information

# True - Zweig

Application 467 > Page Designer

Grid Layout Messages Page Search Help

Dynamic Actions

- Actions Fired on Page Load
- Events
  - Page Load
    - Page Load Set Add Lecture
      - True

Execute JavaScript Code

- False
- Change
- Click
- Dialog Closed

Code Editor - Code

```
1 document.getElementById("addLectureButton").disabled = true;
```

Execute JavaScript

Settings

Code

```
document.getElementById("addLecture").disabled = true
```

Affected Elements

Action Type Button

Button AddLecture

Execution Options

Comments

Audit Information

Cancel OK

False - Zweig

Application 467 Page Designer

Grid Layout Messages Page Search Help

Dynamic Actions

- Actions Fired on Page Load
- Events
  - Page Load
    - Page Load Set Add Lecture
      - True
        - Execute JavaScript Code
      - False
        - Execute JavaScript Code
  - Change
  - Click
  - Dialog Closed

Code Editor - Code

```
1 document.getElementById("addLectureButton").disabled = false;
```

Cancel OK

Execute JavaScript Code

document.getElementById("addLectureButton").disabled = false;

Affected Elements

Action Type Button

Action AddLecture

Execution Options

Comments

Audit Information

Rendering [Icons]

Page 3: Course Details

- Pre-Rendering
- Regions
  - Content Body
    - Course Details
      - Attributes
      - Items
        - P3\_ID
        - P3\_TITLE
        - P3\_SUBTITLE
        - P3\_PRICE
        - P3\_CATEGORY
        - P3\_SUBCATEGORY
        - P3\_ICON
      - Region Buttons
        - CANCEL
        - DELETE
        - SAVE
        - CREATE
    - Selector
      - Attributes
    - Lectures
      - Attributes
      - Region Buttons
        - AddLecture**
    - Goals and Objectives
      - Attributes
  - Post-Rendering

Grid Layout Messages Page Search Help

Visual representation of the page layout with regions like SUB REGIONS, Goals and Objectives, FOOTER, and INLINE DIALOGS.

Regions Items Buttons [Icons]

Component palette showing options like Icon, Text, and Text with Icon [Hot].

Button [Icons]

Properties panel for the selected 'AddLecture' button, showing 'Static ID' set to 'addLectureButton' and other configuration options.

- Development
- Business
- Courses
- Subcategory Page
- Course Tabular Form

	Id	Title	Subtitle	Category	Subcategory	Icon	Price
<a href="#">Edit</a>	1	Learning Oracle APEX 5	Learn to build awesome web apps with APEX 5	Development	Web Development	fa-flash	\$100.00
<a href="#">Edit</a>	2	Learn Swift 2	Learn everything abo				\$110.00
<a href="#">Edit</a>	3	Be an iOS Rockstar	Learn how to be an i				\$120.00
<a href="#">Edit</a>	4	How I make millions a year on Udemee.com	I make at least 3 mill				\$99.00
<a href="#">Edit</a>	6	Personal Finance 101	Learn the ins and ou work for you				\$25.00
<a href="#">Edit</a>	7	Be a Forex Trader	Learn how to trade f				\$99.00
<a href="#">Edit</a>	8	How to make money using Reddit	Learn how to make p active user-base				\$99.00
<a href="#">Edit</a>	9	How to make multi-platform apps with Xamarin	Learn the ins and ou application framewo applications with the				\$35.00
<a href="#">Edit</a>	10	How to program your P	Belm Pilots are NOT dead. Learn how to program new functionality into	development	Mobile Development	fa-euro	\$54.00
<a href="#">Edit</a>	11	Th	D	level	level		

Create

Udemee Course Details

Title \*

Subtitle

Price

Category \*

Subcategory \*

Icon

Cancel Create

Show All Lectures Goals and Objectives

Lectures

Add Lecture

Edit

Udemee Course Details

Title \* Learn PHP

Subtitle Learn how to program PHP cuz it's awesome

Price \$25.00

Category \* Development

Subcategory \* Web Development

Icon fa-globe

Cancel Delete Apply Changes

Show All Lectures Goals and Objectives

Lectures

Add Lecture

Die ID ist NULL → AddLecture disabled

Die ID ist nicht NULL → AddLecture enabled

# Global Page

Erstellen einer Fußzeile

Create Page >



### Create Global Page



Global page components are displayed on all pages if their region's display point is contained within the selected page template. Conditional Display attributes can be used to suppress display.

\* Page Number  ?

< Cancel

Create

Rendering [Icons]

Page 0: Global Page - Desktop

- Regions
  - Content Body
  - Footer
    - </> Footer
    - Attributes
- Post-Rendering

Grid Layout Messages Page Search Help

Global Page - Desktop

PAGE HEADER

PAGE NAVIGATION

BREADCRUMB BAR

CONTENT BODY

FOOTER

- </> Footer
- PREVIOUS
- ITEMS
- REGION CONTENT
- SUB REGIONS
- NEXT

Regions Items Buttons

Breadcrumb Calendar Chart Classic Report Classic Report (based on Function) Help Text

Interactive Report Legacy Calendar List Map Chart PL/SQL Dynamic Content Region Display Selector

Region

Identification

Title Footer

Type Static Content

Source

Text

Powered by XXX

Layout

Appearance

Template Blank with Attribu

Template Options Use Template Defaults

CSS Classes

Icon CSS Classes

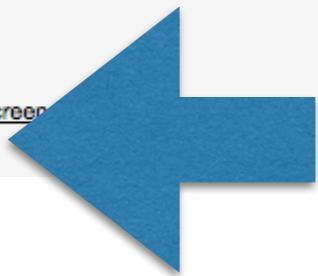
Item Display Position Above Content

Grid

Advanced

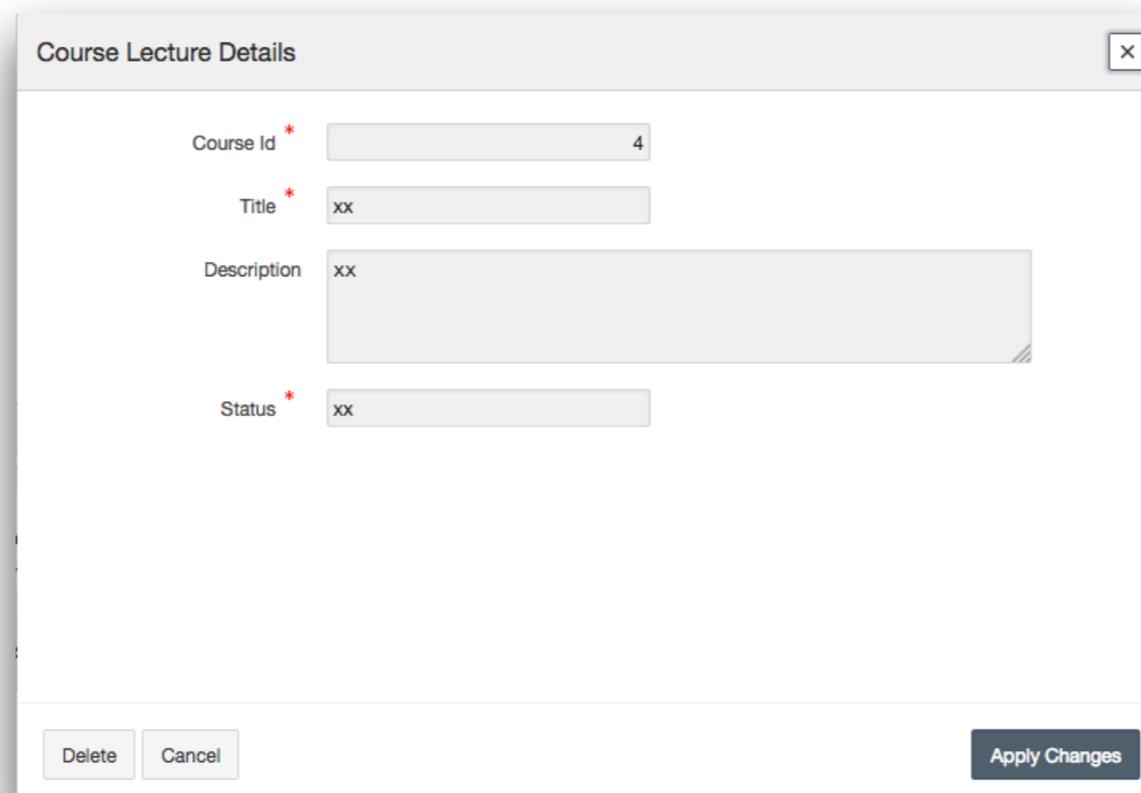
# What would you like to learn today?

Search



# Problem

- Wird mit „Add Lecture“ eine neue Lektion zu einem Kurs hinzugefügt, so wird der Cache des Formulars nicht gelöscht.
- Bei einem neuerlichen Klicken des Buttons „Add Lecture“ sind die Werte der vorhergehenden Dateneingabe wieder vorhanden



The screenshot shows a web form titled "Course Lecture Details" with a close button in the top right corner. The form contains four input fields, each with a red asterisk indicating it is required:

- Course Id \***: A text input field containing the value "4".
- Title \***: A text input field containing the value "xx".
- Description**: A text area containing the value "xx".
- Status \***: A text input field containing the value "xx".

At the bottom of the form, there are three buttons: "Delete", "Cancel", and "Apply Changes".

# Clear Cache

The screenshot displays the Oracle APEX Page Designer interface. A dialog box titled "Link Builder - Target" is open, showing configuration for a link. The "Type" is set to "Page in this application" and the "Page" is set to "8". Under "Set Items", a table is defined:

Name	Value
P8_COURSE_ID	&P3_ID.

The "Clear Session State" section is expanded, and the "Clear Cache" field is set to "8" (highlighted with a red box). The "Reset Pagination" option is set to "Yes". The "Advanced" section is also visible. In the background, the "Action" property of a button is set to "Redirect to Page i", and its "Target" is set to "Page 8" (also highlighted with a red box).

# Problem

- Nach der Eingabe einer Lektion, ist diese nicht im Formular sichtbar

The screenshot shows a 'Course Details' form with a modal window titled 'Course Lecture Details' open over it. The modal contains the following fields:

- Course Id: 8
- Title: Introduction
- Description: In this lecture we will get introduced to the rest of the course.
- Status: UNPUBLISHED

The background form has the following fields:

- Title: How to make money using Reddit
- Subtitle: Learn how to make passive income with the power of the world's most active user-base
- Price: \$99.00
- Category: Business
- Subcategory: Entrepreneurship
- Icon: fa-child

Buttons: Cancel, Create, Delete, Apply Changes.

The screenshot shows the 'Course Details' form with the 'LECTURES' section visible. The form fields are the same as in the previous screenshot. The 'LECTURES' section is currently empty, with an 'Add Lecture' button at the bottom right.

Buttons: Cancel, Delete, Apply Changes, Add Lecture.



Shared Components

Navigation



Lists

Create >

## Create List



**Source**

A List is a static or dynamic definition used to display a specific type of page item, such as progress bars, a navigation menu list.

- Create List:  **From Scratch** ?  
 As a Copy of an Existing List

Cancel

Next >

## Create / Edit List



### Name and Type

A list is a shared collection of links, each link is called a list entry. You control the appearance of a list through list templates. You add a list to a page by creating a list region. Deleting a list will cause referencing regions to be removed.

\* Name  

Type:  Static 

**Dynamic**

Build Option   



Cancel

Next 

# Create List



Query or Static Values

Query Source Type  ?

\* SQL Query: ?

Build Query

> Examples



Cancel

# Create Dynamic List

\* Table / View Owner  ?

\* Table or View  ?

Cancel

Next >

## Create Dynamic List

https://delphi.htl-leonding.ac.at:8181/apex/f?p=4000:701:2762806532012::NO:::&p\_dialog\_cs=KDvIM\_0kg2g-

# Create Dynamic List

Owner: **STUETZ** ?

Table: **UDM\_COURSE\_LECTURE** ?

\* Label Column  ?

Target Column  ?

URL  ?

Is Current Column  ?

Image Column  ?

Image Attributes  ?

Image Alt Attribute  ?



Cancel

Next >

## Create Dynamic List

[https://delphi.htl-leonding.ac.at:8181/apex/f?p=4000:719:2762806532012::NO:::&p\\_dialog\\_cs=i\\_4j0qNE5Dns5](https://delphi.htl-leonding.ac.at:8181/apex/f?p=4000:719:2762806532012::NO:::&p_dialog_cs=i_4j0qNE5Dns5)

## Create Dynamic List

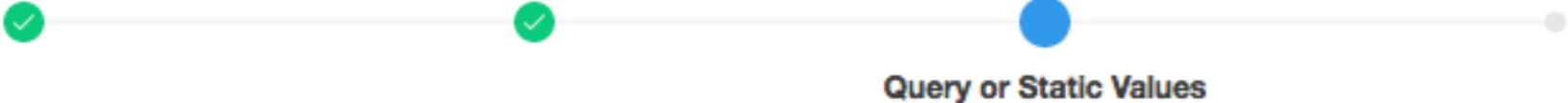
```
select null as level_value
       , "TITLE" as label_value
       , null as target_value
       , null as is_current
       , null as image_value
       , null as image_attr_value
       , null as image_alt_value
from "UDM_COURSE_LECTURE"
order by 1
```



Cancel

Finish

# Create List



Query Source Type  ?

\* SQL Query: ?

```
select null as level_value
      , "TITLE" as label_value
      , null as target_value
      , null as is_current
      , null as image_value
      , null as image_attr_value
      , null as image_alt_value
from "UDM_COURSE_LECTURE"
order by 1
```

Build Query

> **Examples**

< Cancel

Next >



- Lists**
- List Details
- Unused
- Conditional Entries
- Utilization
- History

Q  Go Actions Reset Copy Create >

Name	Type	Entries	References	Entries Updated	List Updated	Navigation Bar	Navigation Menu
<a href="#">Desktop Course Lectures</a>	Dynamic	0	0	1 seconds ago	1 seconds ago	No	No
<a href="#">Desktop Courses</a>	Dynamic	0	1	6 days ago	6 days ago	No	No
<a href="#">Desktop Navigation Bar</a>	Static	1	0	-	-	Yes	No
<a href="#">Desktop Navigation Menu</a>	Static	9	0	7 days ago	7 days ago	No	Yes

Rendering [Icons]

Grid Layout Messages Page Search Help [Icons]

Region [Icons]

Page 3: Course Details

- Pre-Rendering
- Regions
  - Content Body
    - Course Details
      - Attributes
      - Items
        - P3\_ID
        - P3\_TITLE
        - P3\_SUBTITLE
        - P3\_PRICE
        - P3\_CATEGORY
        - P3\_SUBCATEGORY
        - P3\_ICON
      - Region Buttons
        - CANCEL
        - DELETE
        - SAVE
        - CREATE
      - Selector
        - Attributes
      - Lectures
        - Attributes
        - Region Buttons
          - AddLecture
        - Sub Regions
          - Lectures

Visual representation of the page layout with regions: ITEMS, REGION CONTENT, SUB REGIONS, Lectures (with buttons: COPY, EDIT, PREVIOUS, NEXT), REGION CONTENT, ITEMS, SUB REGIONS, CLOSE, HELP, DELETE, CHANGE, CREATE, AddLecture.

Regions Items Buttons [Icons]

- Breadcrumb
- Calendar
- Chart
- Classic Report
- Classic Report (based on Function)
- Help Text
- Interactive Report
- Legacy Calendar
- List
- Map Chart
- PL/SQL Dynamic Content
- Region Display Selector

▼ Identification

Title Lectures

Type List

▼ Source

List Desktop Course

► Layout

► Appearance

► Grid

► Advanced

► Header and Footer

► Condition

► Read Only

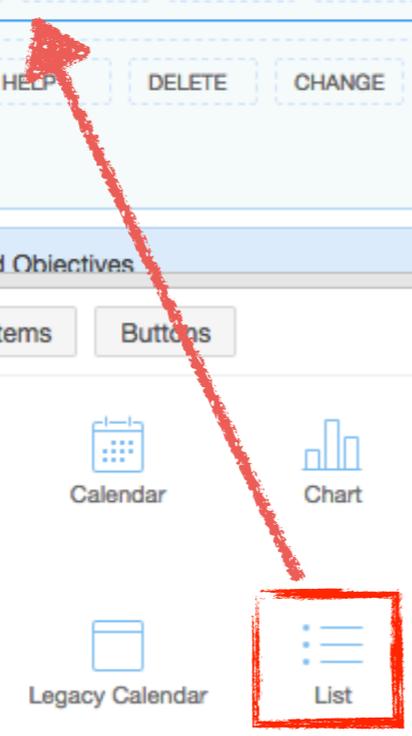
► Security

► Configuration

► Server Cache

► Customization

► Comments



Nun ist eine Liste sichtbar

### Course Details

Title \*

Subtitle

Price

Category \*

Subcategory \*

Icon

Show All Lectures Goals and Objectives

### Lectures

Lectures

Die Lectures-Überschrift ist doppelt

- xx
- xx
- Introduction

**Rendering**

- Course Details
  - Attributes
  - Items
    - P3\_ID
    - P3\_TITLE
    - P3\_SUBTITLE
    - P3\_PRICE
    - P3\_CATEGORY
    - P3\_SUBCATEGORY
    - P3\_ICON
  - Region Buttons
    - CANCEL
    - DELETE
    - SAVE
    - CREATE
- Selector
  - Attributes
- Lectures
  - Attributes
  - Region Buttons
    - AddLecture
  - Sub Regions
    - Lectures
      - Attributes
  - Goals and Objectives
    - Attributes
- Footer
- Post-Rendering

**Grid Layout** Messages Page Search Help

ITEMS

REGION CONTENT

SUB REGIONS

- Lectures

PREVIOUS

ITEMS

REGION CONTENT

SUB REGIONS

NEXT

CLOSE HELP DELETE CHANGE CREATE

AddLecture

Goals and Objectives

Regions Items Buttons

Breadcrumb Calendar Chart Classic Report Classic Report (based on Function) Help Text

Interactive Report Legacy Calendar List Map Chart PL/SQL Dynamic Content Region Display Selector

**Region**

Identification

Source

Layout

Appearance

Template: Blank with Attribu

Template Options: Use Template Defaults

CSS Classes

Icon CSS Classes

Item Display Position: Above Content

Grid

Advanced

Header and Footer

Condition

Read Only

Security

Configuration

### Course Details

Title \*

Subtitle

Price

Category \*

Subcategory \*

Icon

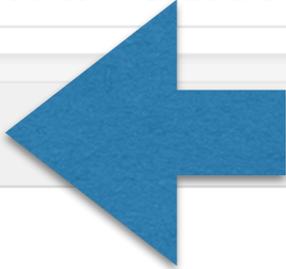
Cancel

Delete

Apply Changes

Show All Lectures Goals and Objectives

### Lectures



xx

xx

Introduction

Add Lecture

List: Desktop Course Lectures

Edit List | **Apply Changes**

**List Entries**  
Each list may contain any number of list entries. Edit the List to set the list name and list template.

**Tasks**

Copy List >

Source: List Query

Query Source Type: SQL Query

```
Query
select null as level_value
      , "TITLE" as label_value
      , null as target_value
      , null as is_current
      , null as image_value
      , null as image_attr_value
      , null as image_attr_value
      , description as attribute1
from "UDM_COURSE_LECTURE"
order by 1
```

**Rendering**

- </> Course Details
  - Attributes
  - Items
    - P3\_ID
    - P3\_TITLE
    - P3\_SUBTITLE
    - P3\_PRICE
    - P3\_CATEGORY
    - P3\_SUBCATEGORY
    - P3\_ICON
  - Region Buttons
    - CANCEL
    - DELETE
    - SAVE
    - CREATE
  - Selector
    - Attributes
  - </> Lectures
    - Attributes
    - Region Buttons
      - AddLecture
    - Sub Regions
      - Lectures
        - Attributes
    - Goals and Objectives
      - Attributes
    - Footer
    - Post-Rendering

**Grid Layout**

Messages Page Search Help

Lectures

COPY EDIT PREVIOUS NEXT

ITEMS

REGION CONTENT

SUB REGIONS

Lectures

PREVIOUS

ITEMS

REGION CONTENT

SUB REGIONS

NEXT

CLOSE HELP DELETE CHANGE CREATE

AddLecture

**Attributes**

Appearance

List Template Media List

Template Options Use Template Defaults

CSS Classes

Lectures

xx  
xx

xx  
xx

**Introduction**  
In this lecture we will get introduced to the rest of the course.

Regions Items Buttons

Breadcrumb Calendar Chart Classic Report Classic Report (based on Function) Help Text

Interactive Report Legacy Calendar List Map Chart PL/SQL Developer Content

Und jetzt noch ein Icon ...

List Desktop Course Lectures

Edit List Apply Changes

List Entries  
Each list may contain any number of list entries. Edit the List to set the list name and list template.

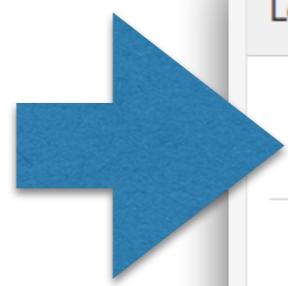
Tasks

Copy List

Source: List Query

Query Source Type SQL Query

```
Query
select null as level_value
, "TITLE" as label_value
, null as target_value
, null as is_current
, 'fa-flash' as image_value
, null as image_attr_value
, null as image_alt_value
, description as attribute1
from "UDM_COURSE_LECTURE"
order by 1
|
```



Lectures

	xx xx
	xx xx
	<b>Introduction</b> In this lecture we will get introduced to the rest of the course.

Add Lecture

Jetzt brauchen wir noch ein Target, um die Lecture-Inhalte bearbeiten zu können

Rendering

1 2

o

o

Grid Layout Messages Page Search Help

o

o

o

Page Item

o

o

o

Page 8: Course Lecture Details

- Pre-Rendering
- Regions
  - Dialog Header
  - Content Body
    - Course Lecture Details
      - Attributes
      - Items
        - P8\_ID
        - P8\_COURSE\_ID**
        - P8\_TITLE
        - P8\_DESCRIPTION

Course Lecture Details

DIALOG HEADER

CONTENT BODY

</> Course Lecture Details

PREVIOUS

ITEMS

- P8\_TITLE
- P8\_DESCRIPTION

Identification

Name P8\_COURSE\_ID

Type Hidden

Settings

Value Protected Yes No

Layout

Sequence 20

Zunächst verbergen wir die COURSE\_ID

- CANCEL
- DELETE
- SAVE
- CREATE
- Invalid Position [Not Rendered]
- Post-Rendering

Regions Items Buttons

Breadcrumb Calendar Chart Classic

Interactive Report

Course Lecture Details

Title \* Conclusion

Description Thanks for watching

Status \* UNPUBLISHED

Status must have some value.

Cancel Create

Nun müssen wir noch die Inhalte der List vom angezeigten Kurs abhängig machen

List Desktop Course Lectures

Edit List Apply Changes

Source: List Query

Query Source Type SQL Query

```

Query
select null as level_value
, "TITLE" as label_value
, null as target_value
, null as is_current
, 'fa-flash' as image_value
, null as image_attr_value
, null as image_alt_value
, description as attribute1
from "ODM_COURSE_LECTURE"
where COURSE_ID = :P3_ID
order by 1

```

### Course Details

Title \*

Subtitle

Price

Category \*

Subcategory \*

Icon

Cancel Delete Apply Changes

---

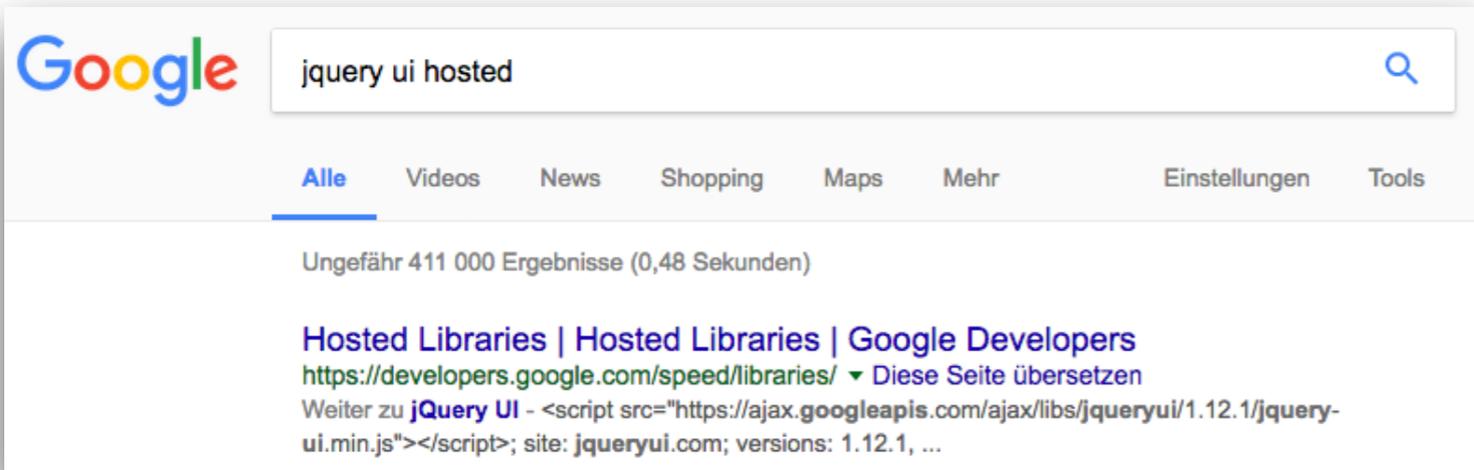
Show All Lectures Goals and Objectives

#### Lectures

- Introduction**  
In this lecture we will get introduced to the rest of the course.
- Conclusion**  
Thanks for watching

Add Lecture

# Einträge draggable machen



A screenshot of the jQuery UI website. The top navigation bar is blue and contains a search icon, the text "Search", a menu icon, "All Products", and a user profile picture. The main content area has a white background. On the left, the text "jQuery UI" is displayed. Below it, the word "snippet:" is followed by two lines of code: `<link rel="stylesheet" href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/themes/smoothness/jquery-ui.css">` and `<script src="https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js"></script>`. Below the code, the word "site:" is followed by the URL "jqueryui.com". Below that, the word "versions:" is visible. On the right side, there is a "Contents" section with a list of libraries: "AngularJS", "Angular Material", "Angular UI Router", "Dojo", "Ext Core", "Hammer.JS", "Indefinite Observable", "jQuery", "jQuery Mobile", "jQuery UI", and "MooTools". A blue callout box with a white border and a tail pointing to "jqueryui.com" contains the text "für Demos".

Rendering 1 = 2 =

Page 3: Course Details

- Pre-Rendering
- Regions
  - Content Body
    - Course Details
      - Attributes
      - Items
        - P3\_ID
        - P3\_TITLE
        - P3\_SUBTITLE
        - P3\_PRICE
        - P3\_CATEGORY
        - P3\_SUBCATEG
        - P3\_ICON
      - Region Buttons
        - CANCEL
        - DELETE
        - SAVE
        - CREATE
    - Selector
      - Attributes
    - Lectures
      - Attributes
      - Region Buttons
        - AddLecture
      - Sub Regions
        - Lectures

### Code Editor - File URLs

🔄 🔍 ↔ A· ⚙️

```
1 https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js
2
```

Cancel OK

Interactive Report Legacy Calendar List Map Chart PL/SQL Dynamic Content Region Display Selector

Page ☰ ☰ ☰ ☰ ↶

- Appearance
- Navigation Menu
- Navigation
- JavaScript
  - File URLs 🔗  
`https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js`
  - Function and Global Variable Declaration 🔗  
`var  
htmldb_delete_message = 'DELETE_CONFIRM_MSG'  
';`
  - Execute when Page Loads 🔗
- CSS
- HTML Header
- Header and Footer

Rendering

Page 3: Course Details

- Pre-Rendering
- Regions
  - Content Body
    - Course Details
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        - P3\_ID
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        - AddLecture
      - Sub Regions
        - Lectures

### Code Editor - File URLs

```
1 https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/themes/smoothness/jquery-ui.css
```

Cancel OK

Page

- Appearance
- Navigation Menu
- Navigation
- JavaScript
- CSS
  - File URLs
    - https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/themes/smoothness/jquery-ui.css
  - Inline
- HTML Header
- Header and Footer
- Read Only
- Security
- Duplicate Submission
- Server Cache

Interactive Report Legacy Calendar List Map Chart PL/SQL Dynamic Content Region Display Selector

**Rendering**

- 1 [List icon] 2 [List icon] [List icon]
- </> Course Details
  - Attributes
  - Items
    - P3\_ID
    - P3\_TITLE
    - P3\_SUBTITLE
    - P3\_PRICE
    - P3\_CATEGORY
    - P3\_SUBCATEGORY
    - P3\_ICON
  - Region Buttons
    - CANCEL
    - DELETE
    - SAVE
    - CREATE
- Selector
  - Attributes
- </> Lectures
  - Attributes
  - Region Buttons
    - AddLecture
  - Sub Regions
    - Lectures
    - Attributes**
- </> Goals and Objectives
  - Attributes
- Footer
- Post-Rendering

**Grid Layout** Messages Page Search Help

Grid Layout Tools: [Zoom in] [Zoom out] [Reset]

**Lectures**

PREVIOUS

ITEMS

REGION CONTENT

SUB REGIONS

NEXT

CLOSE HELP DELETE CHANGE CREATE

AddLecture

**Goals and Objectives**

COPY EDIT PREVIOUS NEXT

ITEMS

REGION CONTENT

**Attributes**

Appearance

List Template: Media List

Template Options: Use Template Defaults

**CSS Classes: sortableRegion**

Regions Items Buttons

- Breadcrumb
- Calendar
- Chart
- Classic Report
- Classic Report (based on Function)
- Help Text
- Interactive Report
- Legacy Calendar
- List
- Map Chart
- PL/SQL Dynamic Content
- Region Display Selector

Udemee Log Out

Cancel Delete Apply Changes

Show All Lectures Goals and Objectives

Lectures

ul.t-MediaList.sortableRegion.t-MediaList--showDesc.t-MediaList--showIcons | 412 x 344

- ⚡ Introduction  
In this lecture we will get introduced to the rest of the course.
- ⚡ Conclusion  
Thanks for watching
- ⚡ a  
a
- ⚡ b  
b
- ⚡ c  
c

Add Lecture

Goals and Objectives

Home Application 467 Edit Page 3 Session View Debug Debug Show Grid

Quick Edit Theme Roller

Search HTML

```

<div class="col col-12">
  <div id="K5220V1S14003035819" class="t-MediaList--showDesc t-MediaList--showIcons">
    <ul class="t-MediaList sortableRegion">
      <li class="t-MediaList-item">
        <a class="t-MediaList-itemWrap" href="">
          <div class="t-MediaList-iconWrap"></div>
          <div class="t-MediaList-body">
            <h3 class="t-MediaList-title">Introduction</h3>
            <p class="t-MediaList-desc"></p>
          </div>
          <div class="t-MediaList-badgeWrap"></div>
        </a>
      </li>
      <li class="t-MediaList-item">
        <a class="t-MediaList-itemWrap" href="">
          <div class="t-MediaList-iconWrap"></div>
          <div class="t-MediaList-body">
            <h3 class="t-MediaList-title">Conclusion</h3>
            <p class="t-MediaList-desc">Thanks for watching</p>
          </div>
          <div class="t-MediaList-badgeWrap"></div>
        </a>
      </li>
      <li class="t-MediaList-item">
        <a class="t-MediaList-itemWrap" href="">
          <div class="t-MediaList-iconWrap"></div>
          <div class="t-MediaList-body">
            <h3 class="t-MediaList-title">a</h3>
            <p class="t-MediaList-desc">a</p>
          </div>
          <div class="t-MediaList-badgeWrap"></div>
        </a>
      </li>
      <li class="t-MediaList-item">
        <a class="t-MediaList-itemWrap" href="">
          <div class="t-MediaList-iconWrap"></div>
          <div class="t-MediaList-body">
            <h3 class="t-MediaList-title">b</h3>
            <p class="t-MediaList-desc">b</p>
          </div>
          <div class="t-MediaList-badgeWrap"></div>
        </a>
      </li>
      <li class="t-MediaList-item">
        <a class="t-MediaList-itemWrap" href="">
          <div class="t-MediaList-iconWrap"></div>
          <div class="t-MediaList-body">
            <h3 class="t-MediaList-title">c</h3>
            <p class="t-MediaList-desc">c</p>
          </div>
          <div class="t-MediaList-badgeWrap"></div>
        </a>
      </li>
    </ul>
  </div>
</div>

```

ul.t-MediaList.sortableRegion.t-MediaList-itemWrap

Rules Computed Animations Fonts

Filter Styles

```

element {
  inline
}
a.t-MediaList-itemWrap:hover {
  background-color: #f5f5f5;
  color: #337ac0;
}
.t-MediaList-itemWrap:hover {
  text-decoration: none;
}
a.t-MediaList-itemWrap {
  color: #337ac0;
}
a:active, a:hover {
  outline: 0;
}
.t-MediaList-itemWrap {
  color: #404040;
}
.t-MediaList-itemWrap {
  display: block;
  transition: background-color .1s;
  padding: 12px 0 12px 12px;
}
a {
  color: #337ac0;
}
a {
  text-decoration: none;
}

```

**Dynamic Actions**

- Actions Fired on Page Load
- Events
  - Page Load
    - Page Load Set Add Lecture
    - Make Lectures Draggable
      - True

**Execute JavaScript Code**

- False
- Change
- Click
- Dialog Closed

### Code Editor - Code

```
1 $(".sortableRegion").sortable();  
2 $(".sortableRegion").disableSelection();  
3
```

Cancel OK

**Action**

Identification

Settings

Code

```
$(".sortableRegion").sortable();  
$(".sortableRegion").disableSelection();
```

Affected Elements

Selection Type: Region

Region: ..Lectures

Execution Options

Sequence: 10

Event: Make Lectures Dr

Fire When Event Result Is: True

Fire On Page Load: Yes No

Comments

Audit Information

## Lectures



### Introduction

In this lecture we will get introduced to the rest of the course.



### Conclusion

Thanks for watching



a

a



b

b



c

c

## Lectures



### Conclusion

Thanks for watching



a

a



### Introduction

In this lecture we will get introduced to the rest of the course.



b

b



c

c

## Lectures



### Conclusion

Thanks for watching



a

a



### Introduction

In this lecture we will get introduced to the rest of the course.



b

b



c

c

Natürlich muss nun noch im Code die Sortierung erfasst und in die DB geschrieben werden



Noch  
Fragen?

# HTL Leonding

Schön, hier zu lernen