

Udeme

# Teil 2

ID	CATEGORY	SUBCATEGORY	ICON	PRICE	INSTRUCTOR	RATING
1	Development	Web Development	fa-flash	100	(null)	(null)
*2	Development	Mobile Development	fa-anchor	110	(null)	(null)
*3	Development	Mobile Development	fa-automobile	120	(null)	(null)
*4	Business	Entrepreneurship	fa-binoculars	99	(null)	(null)
*5	Business	Finance	fa-car	25	(null)	(null)
*6	Business	Finance	fa-fire-extinguisher	99	(null)	(null)
*7	Business	Entrepreneurship	fa-child	99	(null)	(null)
*8	Development	Mobile Development	fa-bullseye	35	(null)	(null)
*9	Development	Mobile Development	fa-euro	54	(null)	(null)
*10	Development	Web Development	fa-reddit	44	(null)	(null)
*11	Development	Web Development	fa-globe	76	(null)	(null)

Wir können nun im SQL Developer die Preise ergänzen

Create Page >



### Create Tabular Form ×

● — ● — ● — ● — ● — ● — ●

**Table and Columns**

This wizard builds a form to perform update, insert, and delete operations on multiple rows in a database table.

\* Table / View Owner  ?

\* Table / View Name  ?

\* Select Columns ?

↻

>> ID (Number)

>> TITLE (Varchar2)

>> SUBTITLE (Varchar2)

> CATEGORY (Varchar2)

> SUBCATEGORY (Varchar2)

< ICON (Varchar2)

< PRICE (Number)

<< INSTRUCTOR (Varchar2)

<< RATING (Number)

Allowed Operations  ?

Use User Interface Defaults:  Yes  No ?


< CancelNext >



## Create Tabular Form





### Primary Key

Tabular 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. Tabular 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 Tabular Form



### Primary Key

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 1 Defaults

Primary Key Column 1: **ID**

\* Source Type:  Existing trigger

Custom PL/SQL function

Existing sequence

\* Sequence

### > Existing Triggers



Cancel

Next >

# Create Tabular Form



**Updateable  
Columns**

Primary Key Column 1: **ID** (?)

\* **Updateable Columns** (?)



- TITLE (Varchar2)
- SUBTITLE (Varchar2)
- CATEGORY (Varchar2)
- SUBCATEGORY (Varchar2)
- ICON (Varchar2)
- PRICE (Number)
- INSTRUCTOR (Varchar2)
- RATING (Number)



< Cancel

Next >

# Create Tabular Form



## Page and Region Attributes

Use this page to specify page and region information.

\* Page  ?

\* Page Name  ?

\* Page Mode  ?

\* Region Title  ?

Region Template  ?

Report Template  ?

Breadcrumb  ?

< Cancel

Next >



# Create Tabular Form



## Page and Region Attributes

Use this page to specify page and region information.

\* Page  ?

\* Page Name  ?

\* Page Mode  ?

\* Region Title  ?

Region Template  ?

Report Template  ?

Breadcrumb  ?

# Create Tabular Form



## 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

\* New Navigation Menu Entry  ?

Parent Navigation Menu Entry

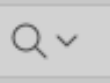
- No parent selected - ?
- Home
- Development
  - ... (Web Development)
  - ... (Mobile Development)
- Business
  - ... (Entrepreneurship)
  - ... (Finance)

Cancel

Next



Run Application



1 - Home

# Create Tabular Form



## Buttons and Branching

Cancel Button Label  ?

Branch to Page  ^ ?

Apply Changes Button Label  ?

Branch to Page  ^ ?

Delete Button Label  ?

Add Row Button Label  ?

< Cancel

Search Dialog

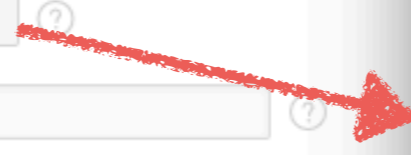
https://delphi.htl-leonding.ac.at:8

Search

- 1 Home
- 2 Courses**
- 3 Course Details
- 4 Subcategory Page
- 101 Login Page

Row(s) 1 - 5

javascript:passBack('2');



## Create Tabular Form



Confirm

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

<b>Application</b>	467
<b>Page</b>	5
<b>Page Name</b>	Update
<b>Region Title</b>	Tabular Form
<b>Table Owner</b>	STUETZ
<b>Table Name</b>	UDM_COURSE
<b>Columns</b>	ID TITLE SUBTITLE CATEGORY SUBCATEGORY ICON PRICE

< Cancel

Create

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

Tabular Form

<input type="checkbox"/>	Id	Title	Subtitle	Category	Subcategory	Icon	Price
<input type="checkbox"/>	1	Learning Oracle APE	Learn to build awesc	Development	Web Development	fa-flash	100
<input type="checkbox"/>	2	Learn Swift 2	Learn everything abx	Development	Mobile Development	fa-anchor	110
<input type="checkbox"/>	3	Be an iOS Rockstar	Learn how to be an i	Development	Mobile Development	fa-automobile	120
<input type="checkbox"/>	4	How I make millions	I make at least 3 mill	Business	Entrepreneurship	fa-binoculars	99
<input type="checkbox"/>	6	Personal Finance 10	Learn the ins and ou	Business	Finance	fa-car	25
<input type="checkbox"/>	7	Be a Forex Trader	Learn how to trade f	Business	Finance	fa-fire-extinguisher	99
<input type="checkbox"/>	8	How to make money	Learn how to make j	Business	Entrepreneurship	fa-child	99
<input type="checkbox"/>	9	How to make multi-p	Learn the ins and ou	Development	Mobile Development	fa-bullseye	35
<input type="checkbox"/>	10	How to program you	Palm Pilots are NOT	Development	Mobile Development	fa-euro	54
<input type="checkbox"/>	11	The Complete Web I	Learn to build 110 w	Development	Web Development	fa-reddit	44

Cancel

Add Row

Delete

Apply Changes

Mit dieser Tabelle können die Werte schnell geändert werden

# Theme Roller

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

# Finance - Courses



## Personal Finance 101

Learn the ins and outs of keeping a budget and making your money work for you

\$ 25.00



## Be a Forex Trader

Learn how to trade forex and automate your trading strategies

\$ 99.00

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

**Theme Roller** ↓ ×

☰ ☰
↶ ↷
🔍
↶ ↷
?

Style Vita (Current) ▾

Color Wheel

⏪
⏩



▶ Global Colors ↶ ↷

▶ Containers ↶ ↷

▶ Regions ↶ ↷

▶ Custom CSS ↶ ↷

Set as Current

Save As

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

## Finance - Courses



### Personal Finance 101

Learn the ins and outs of keeping a budget and making your money work for you

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Learn how to trade forex and automate your trading strategies

\$ 99.00

**Theme Roller**

Style: **Vita (Current)**

- Color Wheel
- Global Colors**
  - Header Accent:
  - Body Accent:
  - Link Color:
  - Focus Outline:
- Containers
- Regions
- Custom CSS

Set as Current      Save As

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



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

# Finance - Courses



## Personal Finance 101

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\$ 99.00

**Theme Roller**

Style: Vita (Current)

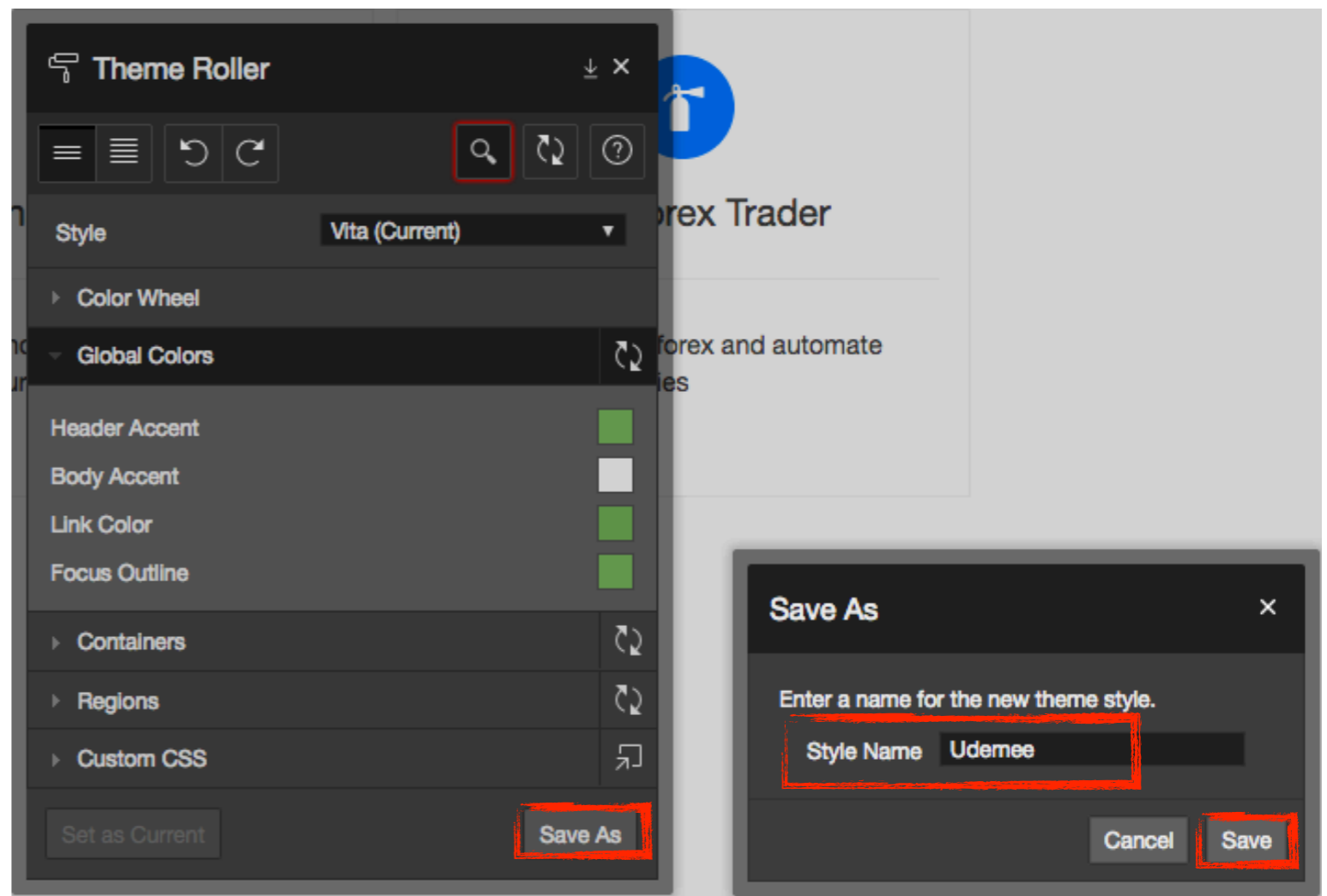
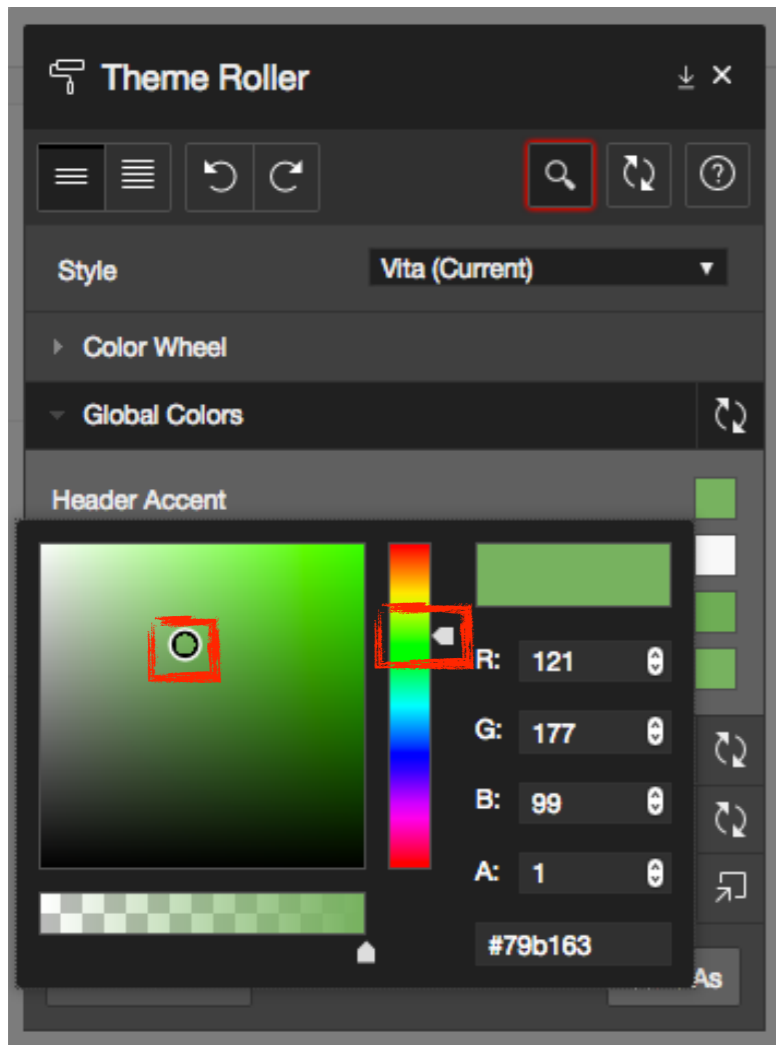
Global Colors

Header Accent

R: 37 G: 119 B: 207 A: 1

#2577cf

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



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

## Finance - Courses



### Personal Finance 101

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

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

# Finance - Courses

Person  
Forex Trader

Learn the ins and  
and making your  
\$ 25.00

Forex and automate  
es

**Theme Roller** ↓ ×

☰ ☰ ↶ ↷ 🔍 ↶ ?

Style Vita - Slate (Current) ▾

▶ Color Wheel

▼ Global Colors ↶

Header Accent ■

Body Accent ■

Link Color ■

Focus Outline ■

▶ Containers ↶

▶ Regions ↶

▶ Custom CSS ↶

Set as Current
Save As

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

Application 467 - Udemee

Edit Application Properties

Tasks

Delete this Application >

Copy this Application >

Recently Edited Pages

5. Update

4. Subcategory Page

2. Courses

3. Course Details

101. Login Page

1. Home



Run Application



Supporting Objects



Shared Components



Utilities



Export / Import

Search, Go, Grid/List, Actions

Create Page >



1 - Home



2 - Courses



3 - Course Details



4 - Subcategory Page



5 - Update



101 - Login Page

Application 467 processed.

Definition Security Globalization User Interface

# Application 467

Cancel Apply Changes

Show All Authentication Authorization Session Management Session State Protection Browser Security Database Session

## Authentication

Define Authentication Schemes >

Authentication is the process of establishing each user's identify before they can access your application. You may define multiple authentication schemes for your application, however only one scheme can be current. The authentication logic of the current scheme is used when your application is run.

Application 467 ?

Public User APEX\_PUBLIC\_USER ?

Authentication Scheme Application Express Authentication

derzeitiges Authentifizierungsschema

## Authorization

Application authorization schemes control access to all pages within an application. Unauthorized access to the application, regardless of which page is requested, will cause an error page to be displayed.

Authorization Scheme - No application authorization required - ?

Run on Public Pages No ?

## Session Management

Rejoin Sessions Disabled ?

Deep Linking Disabled ?

Maximum Session Length in Seconds

When Maximum Session Length is not set, the workspace level or instance level value will be used (currently, 28800 seconds).

Session Timeout URL ?

Maximum Session Idle Time in Seconds

About Use this page to set application wide security settings. Use application component definition pages to manage more granular settings.

# Arten der Authentifizierung

Scheme Type

Application Express Accounts

Application Express Accounts

Custom

Database Accounts

HTTP Header Variable

LDAP Directory

No Authentication (using DAD)

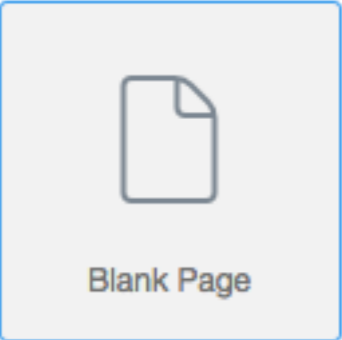
Open Door Credentials

Oracle Application Server Single Sign-On

Landing Page



Create Page >



Blank Page

### Create a Blank Page ×

● ————— ● ————— ●

**Page Attributes**

\* Page Number  ?

\* Name  ?

\* Page Mode  ?

Breadcrumb  ?

> **Optional Static Content Regions**



Page Attributes



Navigation Menu



Confirm

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



Cancel

Next >

## Create a Blank Page



Confirm

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

<b>Application</b>	467
<b>Page</b>	6
<b>Page Name</b>	Landing Page
<b>Page Title</b>	Landing Page



Cancel

Finish

Rendering [Icons]

- Page 6: Landing Page
  - Pre-Rendering
  - Regions
    - Content Body
  - Post-Rendering

Grid Layout Messages Page Search Help

[Search icons]

Landing Page

PAGE HEADER

BREADCRUMB BAR

CONTENT BODY

FOOTER

INLINE DIALOGS

Regions Items Buttons [Icon]

Checkbox Color Picker Date Picker Display Image Display Only

File Browse... Hidden List Manager Number Field Password

Page [Icons]

[Icons]

- Identification
- Appearance
- User Interface Desktop
- Page Mode Normal
- Page Template Minimal (No Navi)
- Template Options Use Template Defaults
- CSS Classes
- Media Type
- Navigation Menu
- Navigation
- JavaScript
- CSS
- HTML Header
- Header and Footer
- Read Only
- Security
- Duplicate Submission
- Server Cache
- Configuration
- Error Handling
- Help
- Comments
- Audit Information

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

Wir müssen uns immer noch einloggen,  
um auf unsere Landing Page zu  
gelangen

Rendering [Icons: 1=, 2=, 3=, 4=]

- Page 6: Landing Page
  - Pre-Rendering
  - Regions
    - Content Body
  - Post-Rendering

Grid Layout Messages Page Search Help

[Icons: Search, Zoom In, Zoom Out]

Landing Page

PAGE HEADER

BREADCRUMB BAR

CONTENT BODY

FOOTER

INLINE DIALOGS

Regions Items Buttons

Checkbox Color Picker Date Picker Display Image Display Only

File Browse... Hidden List Manager Number Field Password

Page

[Icons: List, Sort, Filter, Refresh]

- Identification
- Appearance
- Navigation Menu
- Navigation
- JavaScript
- CSS
- HTML Header
- Header and Footer
- Read Only
- Security
  - Authorization Scheme: - Select -
  - Authentication: Page Is Public**
  - Rejoin Sessions: Application Default
  - Deep Linking: Application Default
  - Page Access Protection: Unrestricted
  - Form Auto Complete: On
  - Browser Cache: Application Default
- Duplicate Submission
- Server Cache
- Configuration
- Error Handling
- Help
- Comments
- Audit Information

# Exkurs: Export, Import, Rollback

# Ausgangssituation

- Wir arbeiten an einer APEX - Applikation
- Plötzlich bemerken wir, dass die Applikation aufgrund eines Fehlers nicht mehr funktioniert.
- Wir können aber die Ursache des Fehlers nicht finden
- Darum möchten wir unsere Applikation auf den Stand vor einer Stunde zurücksetzen





Create



Import





Dashboard





Workspace


- Administration
- Manage Service
- Manage Users and Groups
- Monitor Activity**
- Dashboards
- Change My Password


**Udemy Task Tracker**  
 363


**Udeme**  
 467


**Universal Theme Sample Application**  
 605


**FLUGHAFEN**  
 641


**Testprojekt**  
 739

- 467 Udeme
- 641 FLUGHAFEN
- 605 Universal Theme Sample Application
- 363 Udemy Task Tracker
- 739 Testprojekt
- Migrations
- Migrations

1 - 5

Monitor Activity

Real Time Activity | Archived Activity

View Dashboard

About  
This page contains links to reports and charts that allow you to monitor user and developer activity.

Page Views

- By View
- By Application
- By Application and Page
- By Day
- By Hour
- By Interactive Report

Developer Activity

- By Developer
- By Developer Bar Chart
- By Day
- By Application
- Application Changes, detailed**
- By Day, Monthly View

Sessions

- Active Sessions
- Bar Chart of Active Sessions by Hour

Dashboards

- Workspace
- Users
- Activity
- Developer Activity
- Performance
- Websheets
- Applications
- Database

Page View Analysis

- Most Viewed Pages over All Applications
- Monthly Calendar of Page Views by Day
- Line Chart of Usage by Day
- By Weighted Page Performance
- Websheet Page Views

Environment

- By User Agent
- By Browser
- By External Click
- By Operating System

Login Attempts

- Login Attempts
- Login Attempts by Authentication Result
- Developer Login Summary

Application Errors

- Application Errors

Workspace Schema Reports

- Schema Tablespace Utilization
- Database Privileges by Schema

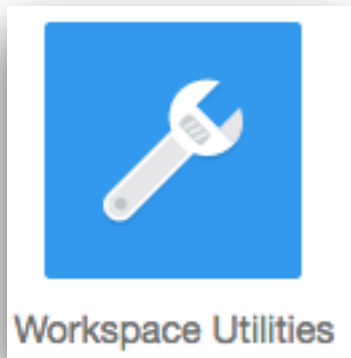
Monitor Activity > Application Changes, detailed

Since 1 day Application 467 Udemee Set

Hier kann man das gewünschte Projekt einstellen und sich ansehen, wann die Änderungen durchgeführt wurden

Search Go Actions

Developer	Application	Application Name	Page	Page Name	Date	Component	Action	Component Name
STUETZ	467	Udemee	-	-	2 hours ago	Application	Change	Udemee
STUETZ	467	Udemee	4	Subcategory Page	2 hours ago	Page Regions	Change	Tabular Form
STUETZ	467	Udemee	5	Update	2 hours ago	Pages	Change	Update
STUETZ	467	Udemee	-	-	2 hours ago	Application	Change	Udemee
STUETZ	467	Udemee	4	Subcategory Page	2 hours ago	Page Regions	Change	Tabular Form
STUETZ	467	Udemee	5	Update	2 hours ago	Pages	Change	Update
STUETZ	467	Udemee	-	-	2 hours ago	Application	Change	Udemee
STUETZ	467	Udemee	4	Subcategory Page	2 hours ago	Page Regions	Change	Tabular Form
STUETZ	467	Udemee	5	Update	2 hours ago	Pages	Change	Update
STUETZ	467	Udemee	-	-	2 hours ago	Application	Change	Udemee
STUETZ	467	Udemee	4	Subcategory Page	2 hours ago	Page Branches	Create	-
STUETZ	467	Udemee	5	Update	2 hours ago	Pages	Change	Update
STUETZ	467	Udemee	-	-	2 hours ago	Application	Change	Udemee
STUETZ	467	Udemee	5	Update	2 hours ago	Pages	Create	Update
STUETZ	467	Udemee	-	-	2 hours ago	List Entry	Create	Course Tabular Form
STUETZ	467	Udemee	-	-	2 hours ago	Lists	Change	Desktop Navigation Menu
STUETZ	467	Udemee	-	-	2 hours ago	Application	Change	Udemee
STUETZ	467	Udemee	4	Subcategory Page	2 hours ago	Page Regions	Create	Tabular Form
STUETZ	467	Udemee	5	Update	2 hours ago	Pages	Change	Update
STUETZ	467	Udemee	-	-	2 hours ago	Application	Change	Udemee



### Export ...

Export workspace components.



### Database Applications

Export database applications, individual pages, and shared components.

↑ Export

Export   Workspace   **Applications**   Websheets   Themes   Plug-ins   User Interface Defaults   Feedback

## Export Application

Reset

Export

Choose Application

\* Application   467 Udemees   ?

Export Application

Selected Application:   **Udemees**   ?

Page Count:   **7**   ?

Owner:   **STUETZ**   ?

File Format   UNIX   ?

Owner Override   ?

Build Status Override   Run and Build Application   ?

Debugging   Yes   ?

As of   **60** minutes ago (~ 5 min delay)   ?

File Character Set:   **Unicode UTF-8**   ?

Hier wird der Zeitpunkt eingestellt, von dem gesichert werden soll

Fortsetzung Landing  
Page

Edit Application Properties

User Interface



Desktop



# Einstellen der Startpage

Application 467 > User Interfaces > User Interface Details

Definition Security Globalization **User Interface**

## User Interface Details

Cancel

Delete

Apply Changes

Show All Identification Attributes Navigation Menu Navigation Bar JavaScript Cascading Style S... Concatenated Files

### Identification

Application: 467 ?

User Interface Type: Desktop ?

\* Display Name: Desktop ?

\* Sequence: 10 ?

### Attributes

Auto Detect: No ?

Default: Yes ?

Home URL: f?p=&APP\_ID.:6:&SESSION. ?

Login URL: f?p=&APP\_ID.:LOGIN\_DESKTOP:&SESSION. ?

# Löschen der Home-Page



Udemeer  
467



1 - Home

Navigation icons: Home, List, Users, Settings

**Delete Page**

## Confirm Page Delete

You have requested the permanent deletion of page 1 within application 467, please confirm your delete request.

Page: **1 - Home** ?

Cascade Delete: **Yes -- Delete corresponding list entries**

Ob List Entries gelöscht werden sollen, die auf diese Seite verweisen

### Associated List Items

The following list items will be removed.

List Name	List Item Name	Target	List Item Current For Pages
Desktop Navigation Menu	Home	f?p=&APP_ID.:1:&APP_SESSION.::&DEBUG.:	1

### Associated Breadcrumb Entries

The following breadcrumb entries will be removed.

Breadcrumb Name	Short Name	Long Name	Link	Also Current For Pages
Breadcrumb	Home	-	f?p=&APP_ID.:1:&APP_SESSION.::&DEBUG.:	-

### Corresponding List Entries

List Name	List Entry	Target
Desktop Navigation Menu	Home	f?p=&APP_ID.:1:&APP_SESSION.::&DEBUG.:

**Permanently Delete Page**

Landing Page befüllen



Rendering

Page 6: Landing Page

- Pre-Rendering
- Regions
  - Content Body
- Search**
- Attributes
- Post-Rendering

Grid Layout Messages Page Search Help

Landing Page

PAGE HEADER

BREADCRUMB BAR

CONTENT BODY

Search

COPY EDIT PREVIOUS NEXT

REGION CONTENT

ITEMS

SUB REGIONS

CLOSE HELP DELETE

FOOTER

INLINE DIALOGS

Region

Identification

Title Search

Type Static Content

Source

Text

Layout

Appearance

Advanced

Header and Footer

Header Text

Footer Text

Condition

Eine Static-Content-Region wird in den Content-Body eingefügt

Regions Items Buttons

Function)

Help Text Interactive Report Legacy Calendar List Map Chart

PL/SQL Dynamic Content Region Display Selector **Static Content** Tabular Form Tree

Rendering [Icons]

- Page 6: Landing Page
  - Pre-Rendering
  - Regions
    - Content Body
      - Search
        - Attributes
        - Region Buttons
          - Search**
    - Post-Rendering

Grid Layout Messages Page Search Help

Landing Page

PAGE HEADER

BREADCRUMB BAR

CONTENT BODY

Search

COPY EDIT PREVIOUS NEXT

REGION CONTENT

ITEMS

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

Search

FOOTER

INLINE DIALOGS

Button

Identification

Button Name	Search
Label	Search

Layout

Appearance

Behavior

Action Submit Page

Execute Validations Yes No

Database Action - Select -

Advanced

Condition

Security

Configuration

Comments

Audit Information

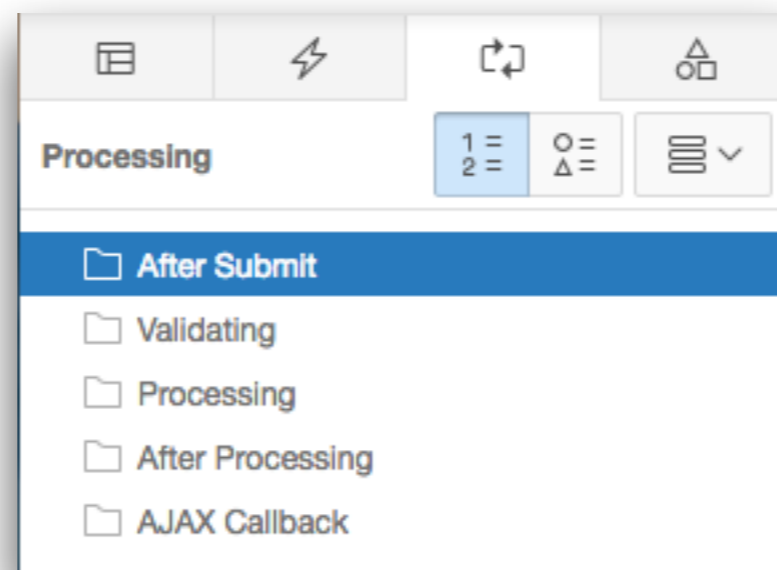
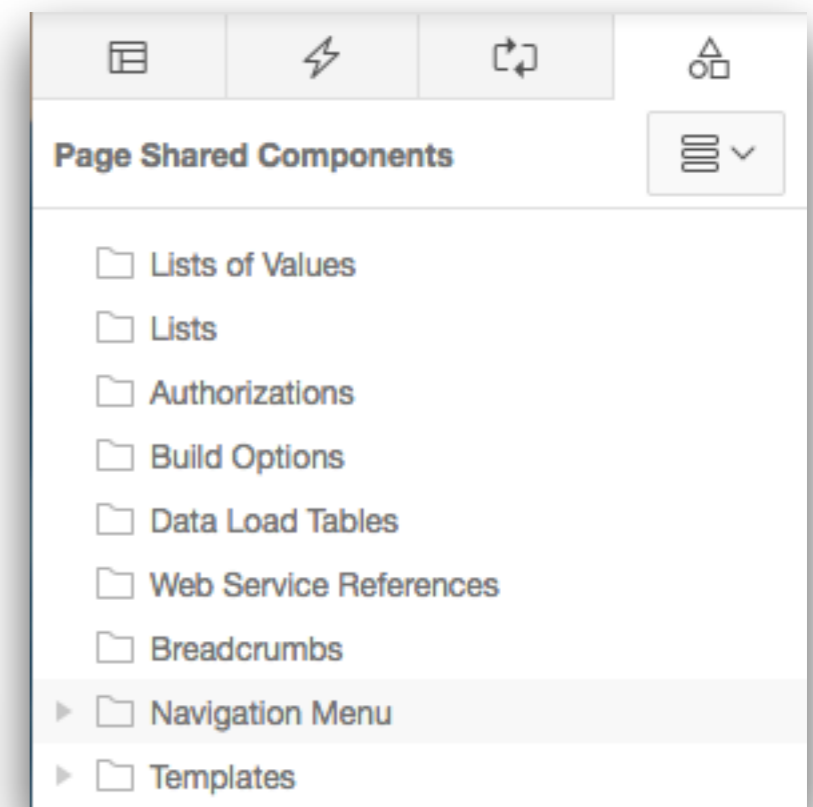
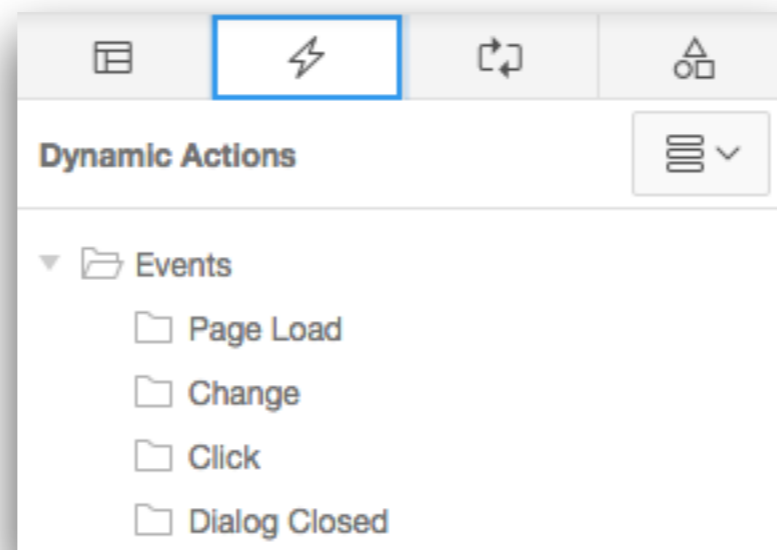
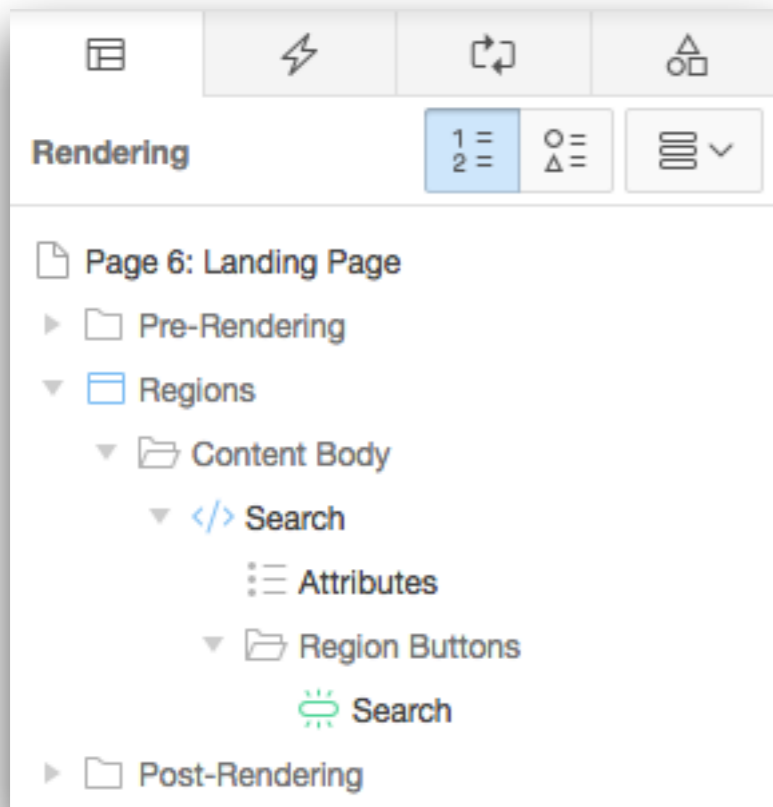
Regions Items Buttons

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

Text with Icon [Hot]

Als nächstes wird auf einen Button-Click reagiert

# Eine Page enthält ...



Uns interessiert zunächst das Processing

Processing 1 = 2 = ○ = △ = ☰ v

- After Submit
- Validation
- Processing
- After Process
- AJAX Call

- Create Branch
- Create Computation
- Create Process
- Expand All Below
- Collapse All Below

Processing

- After Submit
- Branches
- Validating
- Processing
- After Processing
- AJAX Callback

Grid Layout Messages 1 Page Search Help

Landing Page

PAGE HEADER

BREADCRUMB BAR

### Link Builder - Target

Target

Type: Page in this application

Page: 4

Set Items

Name	Value

Clear Session State

Clear Cache

Reset Pagination: Yes No

Advanced

Cancel Clear OK

Branch

Identification

Name

Execution Options

Sequence: 10

Point: After Submit

Behavior

Type: Page or URL (Re)

Target: No Link Defined

Condition

Security

Configuration

Comments

Audit Information

Klicken wir nun auf den Search-Button wird die SubCategory-Page geöffnet

Rendering [Icons]

Page 4: Subcategory Page

- Pre-Rendering
- Regions
  - Breadcrumb Bar
    - Breadcrumb
      - Attributes
  - Content Body
    - SubCategoryFilter
      - Attributes
    - Items
      - P4\_SUBCAT
      - P4\_SEARCH**
  - Courses List
    - Attributes
- Post-Rendering

Machen wir nun P4\_SUBCAT wieder sichtbar —> TextField und fügen wir ein zweites Feld ein

CONTENT BODY

</> SubCa

PREVIOUS

ITEMS

- P4\_SUBCAT
- P4\_SEARCH**

REGION CONTENT

SUB REGIONS

NEXT

Courses List

PREVIOUS

ITEMS

REGION CONTENT

SUB REGIONS

NEXT

Regions Items Buttons

Popup LOV Radio Group Rich Text Editor Select List Shuttle

**Text Field** Text Field with autocomplete Textarea Yes/No

Page Item

Identification

Name **P4\_SEARCH**

Type Text Field

Label Search

Settings

Subtype Text

Trim Spaces Leading and Trailing

Submit when Enter pressed Yes No

Disabled Yes No

Layout

Grid

Start New Row Yes No

Column Automatic

Column Span Automatic

Label Column Span Page Template Default

Column CSS Classes

Column Attributes

Appearance

Validation

Value Required Yes No

Maximum characters

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

## - Courses

New

Search



### Learning Oracle APEX 5

Learn to build awesome web apps with APEX 5

\$ 100.00



### Learn Swift 2

Learn everything about Swift 2 - iOS's new language

\$ 110.00



### Be an iOS Rockstar

Learn how to be an iOS Rockstar by learning everything about XCode

\$ 120.00



### How I make millions a year ...

I make at least 3 million a year with Udemee.com an you can too!

\$ 99.00



### Personal Finance 101

Learn the ins and outs of keeping a budget and making your money work for you

\$ 25.00



### Be a Forex Trader

Learn how to trade forex and automate your trading strategies

\$ 99.00



Rendering

1 = 2 = [Icons]

Page 6: Landing Page

- Pre-Rendering
- Regions
  - Content Body
    - Search
      - Attributes
      - Items
        - P6\_SEARCH
  - Region Buttons
    - Search
- Post-Rendering

Grid Layout Messages Page Search Help

Ein Suchfeld für die Landing Page

Landing Page

PAGE HEADER

BREADCRUMB BAR

CONTENT BODY

</> Search

COPY EDIT PREVIOUS NEXT

ITEMS

P6\_SEARCH

REGION CONTENT

SUBREGIONS

CLOSE HELP DELETE CHANGE CREATE

Search

FOOTER

INLINE DIALOGS

Regions Items Buttons

Popu LOV Radio Group Rich Text Editor Select List Shuttle

Text Field Text Field with autocomplete Textarea Yes/No

Page Item

Identification

Name P6\_SEARCH

Type Text Field

Label Search

Settings

Subtype Text

Trim Spaces Leading and Trailing

Submit when Enter pressed Yes No

Disabled Yes No

Layout

Grid

Start New Row Yes No

Column Automatic

Column Span Automatic

Label Column Span Page Template Default

Column CSS Classes

Column Attributes

Appearance

Validation

Value Required Yes No



Processing 1= 2= O= Δ=

- After Submit
- Branches
- Go To Page 4**
- Validating
- Processing
- After Processing
- AJAX Callback

Grid Layout Messages Page Search Help

Landing Page PAGE HEADER

### Link Builder - Target

▼ Target

Type: Page in this application

Page: 4

▼ Set Items

Name	Value
P4_SEARCH	&P6_SEARCH.
P4_SUBCAT	XXXXXX

▼ Clear Session State

Clear Cache

Reset Pagination:  Yes  No

▶ Advanced

Cancel Clear **OK**

Branch

- Identification
- Execution Options
- ▼ Behavior
- Type: Page or URL (Re)
- Target: Page 4**
- Condition
- Security
- Configuration
- Comments
- Audit Information

Popup LOV Radio Group Rich Text Editor Select List Shuttle

Text Field Text Field with autocomplete Textarea Yes/No

Udemee

Search

Search

Search

Die korrekte Seite wird geöffnet und die beiden Felder befüllt

Udemee

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

XXXXXX - Courses

New

Search

Apply

# List Entry

Show All    Entry    Target    Current

## Entry

List: **Desktop Navigatio**

Parent List Entry: Development

Sequence: 30

Image/Class: fa-rocket

Attributes:

Alt Attribute:

\* List Entry Label: Web Development

## Target

Target type: Page in this Applic

\* Page: 4

reset pagination

Printer Friendly

Request:

Clear Cache:

Set these items: P4\_SUBCAT

With these values: Web Development

URL Target:

### Items

### Values

Items	Values
1 P4_SUBCAT	Web Development
2 P4_SEARCH	XXXXXX
3	
4	
5	
6	
7	
8	
9	
10	

Tragen Sie dies auch bei Finance, usw ein

Set these items: P4\_SUBCAT,P4\_SEARCH

With these values: Web Development,XXXXXX

List Desktop Courses

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

Add this list to the current page

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
      , ICON as image_value
      , null as image_attr_value
      , null as image_alt_value
      , subtitle as attribute1
      , '$ ' || TO_CHAR(price,'999.99') as attribute2
from "UDM_COURSE"
WHERE SUBCATEGORY LIKE '%|| :P4 SUBCAT ||%'
      OR TITLE LIKE '%|| :P4_SEARCH ||%'
order by 1
```

In SubCategories zeigt jetzt das Breadcrumb noch einen falschen Wert an. Das werden wir als nächstes fixen.

Rendering [Icons]

Grid Layout Messages Page Search Help [Icons]

Page Item [Icons]

Page 4: Subcategory Page

- Pre-Rendering
- Regions
  - Breadcrumb Bar
    - Breadcrumb
      - Attributes
  - Content Body
    - SubCategoryFilter
      - Attributes
      - Items
        - P4\_SUBCAT
        - P4\_SEARCH
        - P4\_BREADCRUMB**
    - Courses List
      - Attributes
  - Post-Rendering

CONTENT BODY

</> SubCategoryFilter

PREVIOUS

ITEMS

P4\_SUBCAT

P4\_SEARCH

**P4\_BREADCRUMB**

REGION CONTENT

SUB-REGIONS

NEXT

Courses List

PREVIOUS

ITEMS

REGION CONTENT

SUB-REGIONS

Identification

Name P4\_BREADCRUMB

Type Text Field

Label

Settings

Layout

Grid

Appearance

Validation

Advanced

Source

Type PL/SQL Function

PL/SQL Function Body

```

BEGIN
  IF :P4_SUBCAT LIKE '%XXX%' THEN
    RETURN :P4_SEARCH;
  ELSIF :P4_SEARCH LIKE '%XXX%' THEN
    RETURN :P4_SUBCAT;
  ELSE
    RETURN '';
  END IF;
END;

```

Used Only when current value i

Post Calculation Computation

Maintain Session State Per Session

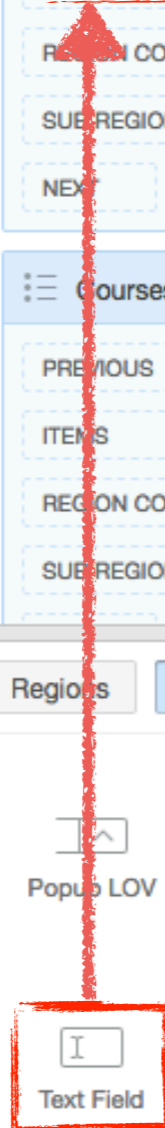
Default

Quick Picks

Regions Items Buttons

Popup LOV Radio Group Rich Text Editor Select List Shuttle

**Text Field** Text Field with autocomplete Textarea Yes/No



```
BEGIN
```

```
IF :P4_SUBCAT LIKE '%XXX%' THEN
```

```
    RETURN :P4_SEARCH;
```

```
ELSIF :P4_SEARCH LIKE '%XXX%' THEN
```

```
    RETURN :P4_SUBCAT;
```

```
ELSE
```

```
    RETURN '';
```

```
END IF;
```

```
END;
```

# Ändern des BReadcrumb

Application 467 > Shared Components > Breadcrumbs > Entries > Create / Edit



Breadcrumb Entry: &P4\_SUBCAT. - Courses

Cancel

Delete

Apply Changes

Show All

Breadcrumb

Entry

Target

Conditions

Authorization

Configuration

Breadcrumb

Breadcrumb  ?

\* Page  ^ ?

Entry

Sequence  ?

Parent Entry  ?

\* Short Name  ?

Long Name  ?

Rendering [Icons: 1=, 2=, etc.]

- Page 4: Subcategory Page
  - Pre-Rendering
  - Regions
    - Breadcrumb Bar
      - Breadcrumb
        - Attributes
        - Items
          - P4\_SEARCH
          - P4\_SUBCAT
          - P4\_BREADCRUMB
    - Content Body
      - Courses List
        - Attributes
    - Post-Rendering

Grid Layout Messages Page Search Help

Subcategory Page

PAGE HEADER

PAGE NAVIGATION

BREADCRUMB BAR

- Breadcrumb
  - ITEMS
    - P4\_SEARCH
    - P4\_SUBCAT
    - P4\_BREADCRUMB
- REGION CONTENT
- SUB REGIONS
  - PREVIOUS CLOSE DELETE HELP CHANGE EDIT COPY
  - CREATE NEXT

CONTENT BODY

- Courses List

Page Items

Identification

Type: Text Field

- Label
- Settings
- Layout
- Appearance
- Validation
- Advanced
- Source
- Default
- Quick Picks
- Condition
- Read Only
- Security
- Configuration
- Audit Information

Wichtig ist auch die Reihenfolge der Items. Die Textfelder müssen über dem Breadcrumb stehen, damit sie vor dem Befüllen des Breadcrumbs ausgewertet werden. Die drei Textfelder wurden also in die Breadcrumb Region verschoben.

Regions Items

Checkbox Color P

File Browse... Hidden List Manager Number Field Password




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

New

New

New

## Oracle - Courses

### Learning Oracle APEX 5

---

Learn to build awesome web apps with  
APEX 5

\$ 100.00

Rendering [Icons]

Page 4: Subcategory Page

- Pre-Rendering
- Regions
  - Breadcrumb Bar
    - Breadcrumb
      - Attributes
      - Items
        - P4\_SEARCH
        - P4\_SUBCAT
        - P4\_BREADCRUMB
  - Content Body
    - Courses List
      - Attributes
- Post-Rendering

Grid Layout Messages Page Search Help

Subcategory Page

PAGE HEADER

PAGE NAVIGATION

BREADCRUMB BAR

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

CONTENT BODY

- Courses List
  - PREVIOUS
  - ITEMS
  - REGION CONTENT
  - SUB REGIONS

Page Items

▼ Identification

Type  [Dropdown] [Menu]

▶ Settings

▶ Layout

▶ Appearance

▶ Source

▶ Default

▶ Condition

▶ Security

▶ Configuration

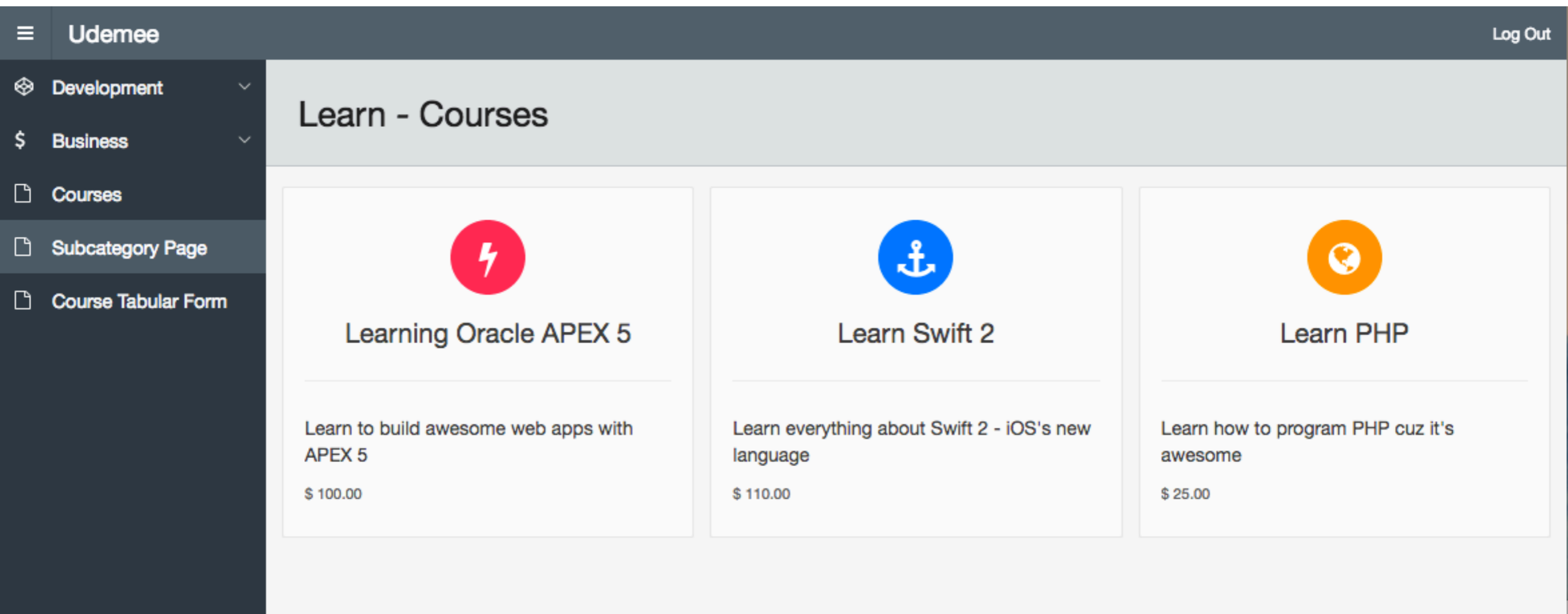
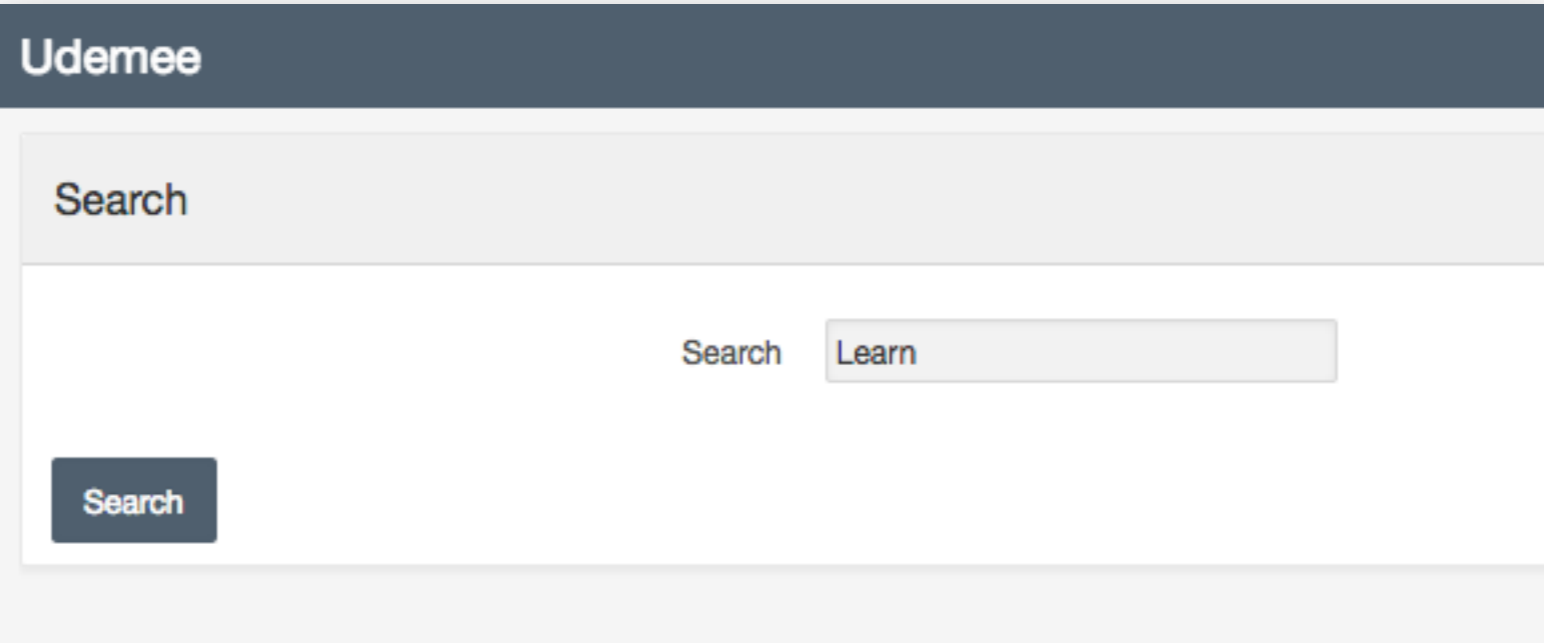
▶ Audit Information

Nun verstecken wir die drei Textfelder wieder

Regions Items Buttons

Checkbox Color Picker Date Picker Display Image Display Only

File Browse... Hidden List Manager Number Field Password



# Die Suche case-insensitiv gestalten

The screenshot shows the Oracle APEX 'List Details' configuration page for a list named 'Desktop Courses'. The 'Query Source Type' is set to 'SQL Query'. The SQL query is as follows:

```
select null as level_value
, "TITLE" as label_value
, null as target_value
, null as is_current
, ICON as image_value
, null as image_attr_value
, null as image_alt_value
, subtitle as attribute1
, '$ ' || TO_CHAR(price,'999.99') as attribute2
from "UDM COURSE"
WHERE upper(SUBCATEGORY) LIKE '%' || upper(:P4_SUBCAT) || '%'
OR upper(TITLE) LIKE '%' || upper(:P4_SEARCH) || '%'
order by 1
```

The WHERE clause is highlighted with a red box, indicating the case-insensitive search logic using the `upper()` function on both the database column and the user input parameter.

Rendering [1= 2=] [O= Δ=] [List icon]

Page 6: Landing Page  
Pre-Rendering  
Regions  
Content Body  
Search  
Attributes  
Items  
**P6\_SEARCH**  
Region Buttons  
Search  
Post-Rendering

Grid Layout Messages Page Search Help  
[Zoom icons] [List icon]

Landing Page  
PAGE HEADER  
BREADCRUMB BAR  
CONTENT BODY  
Search  
COPY EDIT PREVIOUS NEXT  
Template Options  
General  Use Template Defaults  Stretch Form Item  
Size **X Large**  
Cancel OK  
FOOTER  
INLINE DIALOGS

Regions Items Buttons [List icon]

Checkbox Color Picker Date Picker Display Image Display Only  
File Browse... Hidden List Manager Number Field Password

Page Item [List icon] [List icon] [List icon] [List icon] [List icon]

Identification  
Label  
Settings  
Layout  
Grid  
Appearance  
Template Hidden [Dropdown] [Arrow]  
Template Options Use Template Defaults, X Large  
CSS Classes [Dropdown]  
Format Mask [Dropdown]  
Width 30 characters  
Value Placeholder [Text]  
Validation  
Advanced  
Source  
Default  
Quick Picks  
Condition  
Read Only  
Security  
Configuration  
Help  
Comments  
Audit Information

### Template Options

▼ Common

General  Use Template Defaults

Size

Type

Style

▼ Advanced

Button Set

Width

Spacing Left

Spacing Right

Cancel OK

CLOSE HELP DELETE CHANGE CREATE

### Button

Button Template

Hot

Template Options

CSS Classes

Icon CSS Classes

► Behavior

► Advanced

► Condition

► Security

► Configuration

► Comments

### Udemee

Search

Log Out

File Browse... Hidden List Manager Number Field Password

Application 467 Page Designer

Rendering

Page 6: Landing Page

- Pre-Rendering
- Regions
  - Content Body
    - Search
      - Attributes
      - Items
        - P6\_SEARCH
      - Region Buttons
- Post-Rendering

**Rendering**

1 2 [Icons]

Page 6: Landing Page

- Pre-Rendering
- Regions
  - Content Body
    - </> <h1>What would you like to learn today?</h1>**
    - Attributes
    - Items
      - P6\_SEARCH
    - Region Buttons
      - Search
  - Post-Rendering

**Grid Layout**

Messages Page Search Help

Landing Page

PAGE HEADER

BREADCRUMB BAR

CONTENT BODY

</> <h1>What would you like to learn today?</h1>

COPY EDIT PREVIOUS NEXT

ITEMS

P6\_SEARCH

REGION CONTENT

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

Search

FOOTER

INLINE DIALOGS

**Region**

Identification

Title **<h1>What would you like to learn today?</h1>**

Type Static Content

- Source
- Layout
- Appearance
- Grid
- Advanced
- Header and Footer
- Condition
- Read Only
- Security
- Configuration
- Server Cache
- Customization
- Comments
- Audit Information

Udemee Log Out

# What would you like to learn today?

[Search Input Field]

Search

# Erstellen einer Kursseite



Create Page >



Blank Page

## Create a Blank Page



### Page Attributes

\* Page Number  ?

\* Name  ?

\* Page Mode  ?

Breadcrumb  ?

### > Optional Static Content Regions



Cancel

Next >



Page Attributes



Navigation Menu



Confirm

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



Cancel

Next >

## Create a Blank Page



Confirm

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

<b>Application</b>	467
<b>Page</b>	7
<b>Page Name</b>	Course Page
<b>Page Title</b>	Course Page



Cancel

Finish

List Desktop Courses

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

Add this list to the current page

Copy List

Source: List Query

Query Source Type SQL Query

```

Query
select null as level_value
, "TITLE" as label_value
, 'f?p=&APP:7:&APP_SESSION.' as target_value
, null as is_current
, ICON as image_value
, null as image_attr_value
, null as image_alt_value
, subtitle as attribute1
, '$ ' || TO_CHAR(price,'999.99') as attribute2
from "UDM_COURSE"
WHERE upper(SUBCATEGORY) LIKE '% ' || upper(:P4_SUBCAT) || '% '
OR upper(TITLE) LIKE '% ' || upper(:P4_SEARCH) || '% '
order by 1
    
```

Nun wollen wir aus unseren Cards auf die Couse-Page verlinken.

Table 2-18 APP\_SESSION Syntax

Reference Type	Syntax
Bind variable	:APP_SESSION
PL/SQL	V('APP_SESSION')
Short PL/SQL	V('SESSION')
Substitution string	&APP_SESSION.
SYS_CONTEXT variable	SYS_CONTEXT('APEX\$SESSION', 'APP_SESSION')

[https://docs.oracle.com/database/122/HTMDB/concept\\_sub.htm#HTMDB03024](https://docs.oracle.com/database/122/HTMDB/concept_sub.htm#HTMDB03024)

[http://docs.oracle.com/database/122/nav/portal\\_booklist.htm](http://docs.oracle.com/database/122/nav/portal_booklist.htm)

# Substitution Strings

'f?p=&APP:7:&APP\_SESSION.'

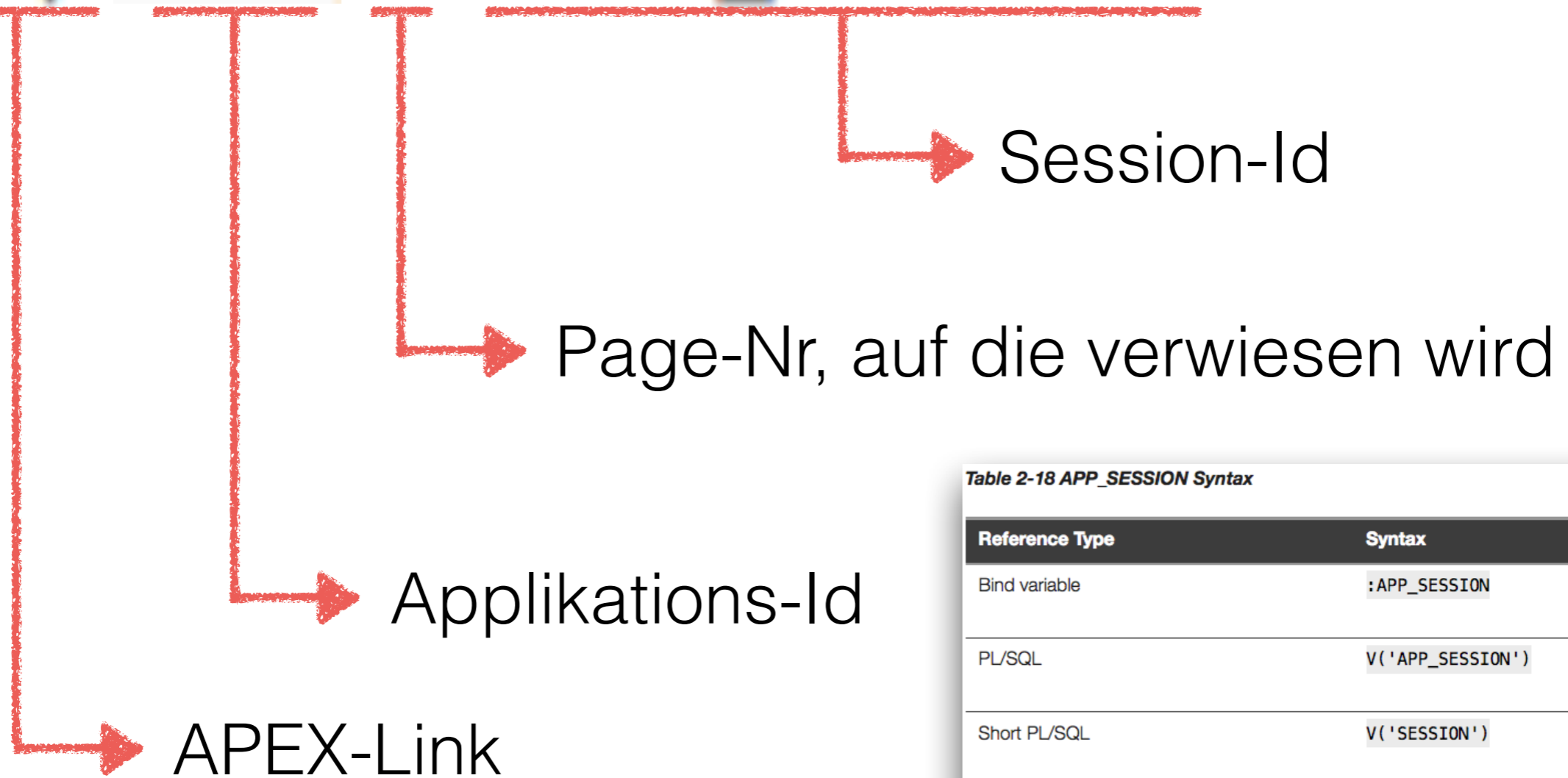


Table 2-18 APP\_SESSION Syntax

Reference Type	Syntax
Bind variable	:APP_SESSION
PL/SQL	V('APP_SESSION')
Short PL/SQL	V('SESSION')
Substitution string	&APP_SESSION.
SYS_CONTEXT variable	SYS_CONTEXT('APEX\$SESSION', 'APP_SESSION')

[https://docs.oracle.com/database/122/HTMDB/concept\\_sub.htm#HTMDB03024](https://docs.oracle.com/database/122/HTMDB/concept_sub.htm#HTMDB03024)

[http://docs.oracle.com/database/122/nav/portal\\_booklist.htm](http://docs.oracle.com/database/122/nav/portal_booklist.htm)

Rendering [Icons]

Page 7: Course Page

- Pre-Rendering
- Regions
  - Content Body
    - New
      - Attributes
      - Items

P7\_COURSE\_ID

Post-Rendering

Grid Layout Messages Page Search Help

Course Page

PAGE HEADER

PAGE NAVIGATION

BREADCRUMB BAR

CONTENT BODY

New

COPY EDIT PREVIOUS NEXT

REGION CONTENT

ITEMS

P7\_COURSE\_ID

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

FOOTER

INLINE DIALOGS

Page Item

Identification

Name P7\_COURSE\_ID

Type Number Field

Label

Label Course id

Settings

Minimum Value

Maximum Value

Number Alignment Right

Layout

Sequence 10

Region New

Grid

3

1

2

Ziehe eine statische Region in den Content Body

Ziehe ein (Number-)Feld in die statische Region

Regions Items Buttons

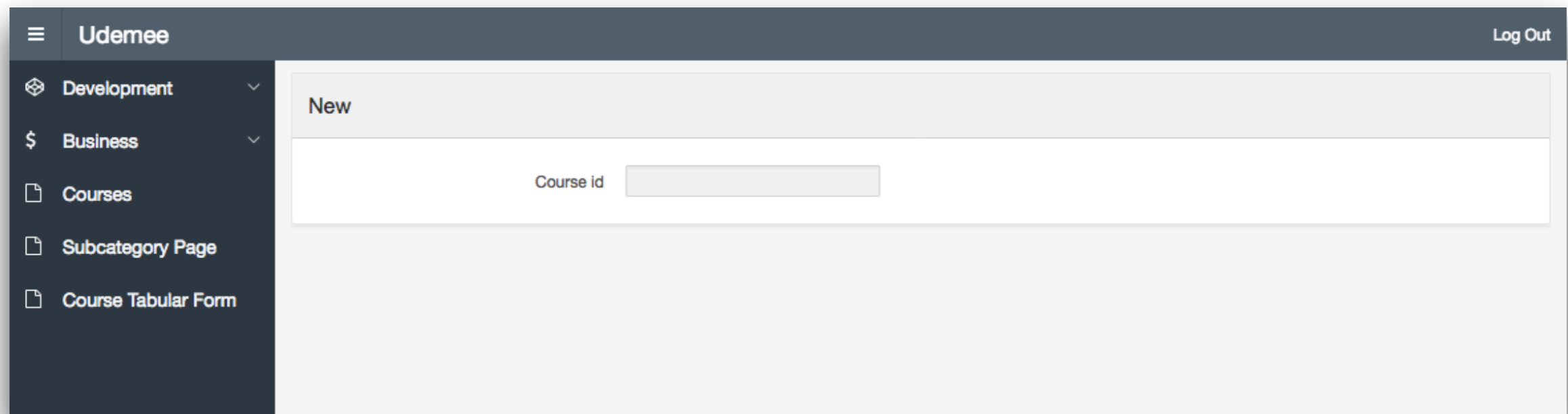
Checkbox Color Picker Date Picker Display Image Display Only

File Browse... Hidden List Manager Number Field Password

Label Column Span Page Template Default

Template Optional

# Setzen der Id





The screenshot shows a web application interface for Udemee. The top navigation bar includes the Udemee logo and a 'Log Out' button. A dark sidebar on the left contains a menu with the following items: 'Development', 'Business', 'Courses', 'Subcategory Page', and 'Course Tabular Form'. The main content area is titled 'New' and contains a single input field labeled 'Course id'.

Nun soll das neue Feld automatisch mit der aktuellen Kurs-Id befüllt werden

Setzen des Wertes eines  
Textfields durch die URL



Lists **List Details** Unused Conditional Entries Utilization HistoryList Desktop Courses  

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

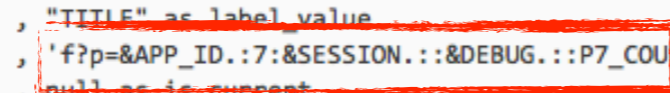
[Add this list to the current page](#) >[Copy List](#) >

Source: List Query

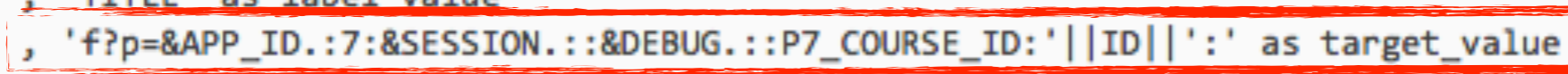
Query Source Type SQL Query  

Query

```
select null as level_value
, "TITLE" as label_value
, 'f?p=&APP_ID.:7:&SESSION.::&DEBUG.::P7_COURSE_ID: ' || ID || ':' as target_value
, null as is_current
, ICON as image_value
, null as image_attr_value
, null as image_alt_value
, subtitle as attribute1
, '$ ' || TO_CHAR(price, '999.99') as attribute2
from "UDM_COURSE"
WHERE upper(SUBCATEGORY) LIKE '%' || upper(:P4_SUBCAT) || '%'
      OR upper(TITLE) LIKE '%' || upper(:P4_SEARCH) || '%'
order by 1
```



```
select null as level_value
, "TITLE" as label_value
, 'f?p=&APP_ID.:7:&SESSION.::&DEBUG.::P7_COURSE_ID: ' || ID || ':' as target_value
, null as is_current
, ICON as image_value
, null as image_attr_value
, null as image_alt_value
, subtitle as attribute1
, '$ ' || TO_CHAR(price, '999.99') as attribute2
from "UDM_COURSE"
WHERE upper(SUBCATEGORY) LIKE '%' || upper(:P4_SUBCAT) || '%'
      OR upper(TITLE) LIKE '%' || upper(:P4_SEARCH) || '%'
order by 1
```



The image shows a browser window with the address bar containing the URL: `ending.ac.at:8181/apex/f?p=467:7:7939602787247::NO::P7_COURSE_ID:3`. The parameter `P7_COURSE_ID:3` is highlighted with a red box. A red arrow points from this box to a text input field on the page labeled "Course id", which contains the value "3". The page is titled "New" and has a sidebar with "Udemees" and various menu items like "Development", "Business", "Courses", "Subcategory Page", and "Course Tabular Form". A "Log Out" link is visible in the top right. A blue callout box on the right contains the text: "Hier sieht man, dass aufgrund des URL-Parameters ein Wert in das Textfeld eingetragen wurde". At the bottom left, there is a small text: "release 1.0 Set Screen Reader Mode On".

Hier sieht man, dass aufgrund des URL-Parameters ein Wert in das Textfeld eingetragen wurde

Rendering

Page 7: Course Page

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

Grid Layout Messages Page Search Help

Course Page

PAGE HEADER

PAGE NAVIGATION

BREADCRUMB BAR

CONTENT BODY

</> New

COPY EDIT PREVIOUS NEXT

ITEMS

P7\_COURSE\_ID

Display Only

REGION CONTENT

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

Page

Identification

Name Course Page

Page Alias

Title Course Page

Page Group - Select -

Appearance

User Interface Desktop

Page Mode Normal

Page Template Theme Default

Template Options Use Template Defaults

CSS Classes

Media Type

Navigation Menu

Override User Interface Level Yes No

Navigation

Cursor Focus Do not focus cursor

JavaScript

File URLs

Function and Global Variable Declaration

Execute when Page Loads

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

Course Page

PAGE HEADER

PAGE NAVIGATION

BREADCRUMB BAR

CONTENT BODY

</> New

COPY EDIT PREVIOUS NEXT

ITEMS

P7\_COURSE\_ID

**P7\_COURSE\_TITLE**

REGION CONTENT

SUB REGIONS

CLOSE HELP DELETE CHANGE CREATE

Page Item [Icons]

Identification

Name **P7\_COURSE\_TITLE**

Type Display Only

Label

Settings

Layout

Grid

Appearance

List of Values

Advanced

Source

Type **SQL Query (retur**

SQL Query

```
select TITLE
from UDM_COURSE
where ID = :P7_COURSE_ID
```

Used Only when current value i

Post Calculation Computation

Maintain Session State Per Session

Default

Condition

Security

Configuration

Help

Comments

Udemees Log Out

Development

Business

Courses


Subcategory Page

Course Tabular Form

New

Course id 5

Course title **Learn PHP**



File Browse... Hidden List Manager Number Field Password

P7\_COURSE\_ID wird versteckt und P7\_COURSE\_TITLE wird XLarge

▼ Identification

Name

Type

NEW

COPY EDIT PREVIOUS NEXT

ITEMS

- 
- 

REGION CONTENT

Template Options

General  Use Template Defaults  Stretch Form Item

Size

Cancel OK

Page Item

▼ Identification

Name

Type

▼ Appearance

Template

Template Options

CSS Classes

Format Mask

► List of Values

► Advanced

► Source

► Default

► Condition

► Security

► Configuration

► Help

► Comments

► Audit Information

Checkbox Color Picker Date Picker Display Image Display Only

File Browse... Hidden List Manager Number Field Password



Noch  
Fragen?