

Dimitri Gielis

Can You Do That with APEX? Building Not So Straightforward Pages



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Dimitri Gielis

- ❖ Founder & CEO of APEX R&D
- ❖ 20+ years of Oracle Experience (OCP & APEX Certified)
- ❖ Oracle ACE Director
- ❖ “APEX Developer of the year 2009” by Oracle Magazine
- ❖ “Oracle Developer Choice award (ORDS)” in 2015
- ❖ Author Expert Oracle APEX
- ❖ Presenter at Conferences





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Dimitri Gielis Blog (Oracle Application Express - APEX)

I created this Blog to share my knowledge especially in Oracle Application Express (APEX) and my feelings ...

FRIDAY, SEPTEMBER 26, 2014

APEX 4.2.6 patch available

Oracle released [APEX 4.2.6](#) yesterday, it's also available from My Oracle Support as a patch set 19595896.

Here's the table of bug fixes.

Table 6 Bugs Fixed in the Oracle Application Express 4.2.6.00.03 Patch Set

Bug Number	Description
18393429	Importing pre-4.2 application with data loading results in runtime error
18609856	APEX_WEB_SERVICE.CLOBBASE642BLOB converts incorrectly
18658967	Corrupted HTML mail messages are created from APEX_MAIL.SEND
18719750	ORA-01858 during application import
18733989	Errors picking up session with cookie when TOP CALL is not F, SHOW, or ACCEPT
19021052	Oracle Application Express 4.2.4 throwing error while generating check boxes
19313700	Check box fails with ORA-06502 after upgrade from release 4.0 to 4.2.4
19482775	ORA-06502 when importing application containing translations

Applying the patch took less than 7 minutes.

```
Session altered.
...Validating Application Express
...Database user "SYS", database schema "APEX_040200", user# "106" 20:48:40
...Compiled 0 out of 3014 objects considered, 0 failed compilation 20:48:40
...271 packages
...263 package bodies
...452 tables
...11 functions
...16 procedures
...3 sequences
...457 triggers
...1320 indexes
...211 views
...0 libraries
...6 types
...0 type bodies
...0 operators
...0 index types
```

My next public appearances:

- [Oracle Open World: 27-SEP/2-OCT-2014](#)
- [ORCLAPEX-BE Meetup: 19-NOV-2014](#)
- [ODTUG KScope: 21/25-JUN-2015](#)

About Me

[Dimitri Gielis](#)

Passionate about Oracle and especially Oracle Application Express (APEX). Building applications with love @ APEX R&D.

[View my complete profile](#)



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Latest commit 4478b2f 15 seconds ago

[README.md](#)

Update README.md

15 seconds ago

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presentations

In this repository you find examples I use during my presentations.

Typical I create a sample application for the content I present.

You find the presentations at <https://www.slideshare.net/dimitrigielis>



3 + 3 Techniques



1: UT to the full extent



Oracle Application Express

Universal Theme

Universal Theme is a responsive, versatile, and customizable user interface for your Application Express apps. It is designed uniquely for Oracle APEX to make it easy for developers to build beautiful, modern applications, at any scale, for any purpose, that work on any device.



Getting Started



Design



Components



Migration Guides



Icons



Reference

<https://apex.oracle.com/ut/>

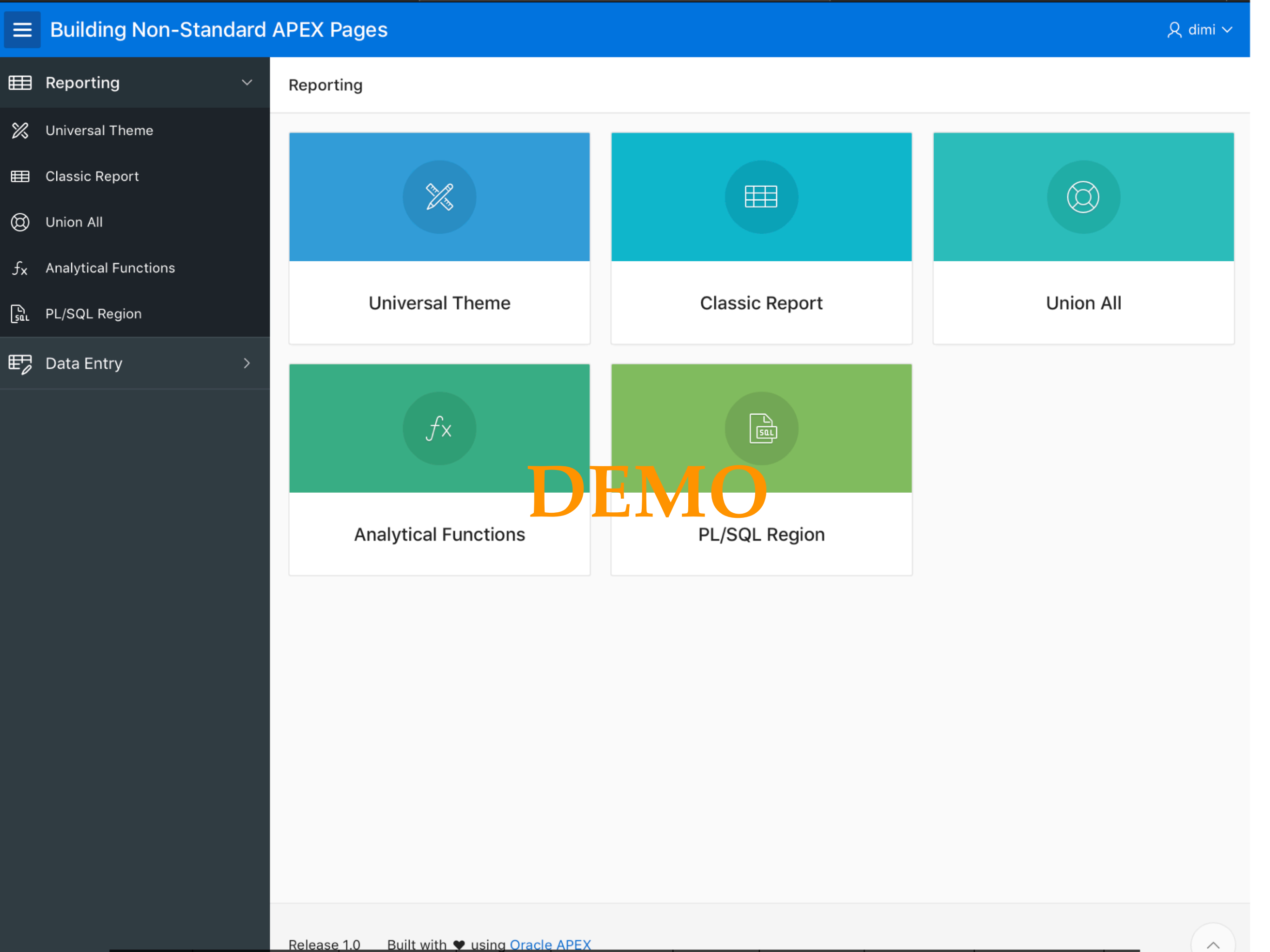
DEMO

2: Power of SQL and Templates

TA	Product	2016 Current Budget	Current Contracted Amount	Current Spent Amount	2016 Spend as % of Budget	Latest Planned Total Amount	Latest Planned Global / US	Latest Planned HE Zug	Latest Planned Affiliates	Forecasted 2016 Spend	\$000's Over / Under Budget	% of 2016 Current Budget
Bone/Neph/Inflam/Neuro	AMS 001	0.00	102.52	102.52	-%	-	-	-	-	102.52	102.52	-%
Bone/Neph/Inflam/Neuro	AMS 101	51.33	38.95	5.16	10.05%	0.00	-	-	0.00	38.95	-12.38	75.89%
Bone/Neph/Inflam/Neuro	AMS 002 - Adjuvant	290.00	44.53	44.53	15.35%	-	-	-	-	44.53	-245.47	15.35%
Bone/Neph/Inflam/Neuro	AMS 002 - SCF	165.40	5.45	2.45	1.48%	0.00	-	-	0.00	5.45	-159.96	3.29%
Bone/Neph/Inflam/Neuro	AMS 004	150.00	12.85	1.02	0.68%	-	-	-	-	12.85	-137.15	8.57%
Bone/Neph/Inflam/Neuro	AMS 004	3,831.79	3,199.37	1,474.48	38.48%	0.00	0.00	-	0.00	3,199.37	-632.42	83.50%
Bone/Neph/Inflam/Neuro	AMS 000	39.00	872.95	362.32	929.02%	-	-	-	-	872.95	833.95	2,238.32%
Bone/Neph/Inflam/Neuro	AMS 070	40.00	23.00	0.22	0.56%	-	-	-	-	23.00	-17.00	57.50%
Bone/Neph/Inflam/Neuro	AMS 041	22.00	22.48	22.48	102.18%	-	-	-	-	22.48	0.48	102.18%
Bone/Neph/Inflam/Neuro	AMS 000 - Bone A	0.00	4.72	4.72	429,470.91%	0.00	-	-	0.00	4.72	4.72	429,472.73%
Bone/Neph/Inflam/Neuro	AMS 000	79.00	-	0.00	0.00%	30.00	30.00	-	-	30.00	-49.00	37.97%
Bone/Neph/Inflam/Neuro	Enzalutamide	328.62	323.49	269.53	82.02%	0.00	-	-	0.00	323.49	-5.13	98.44%
Bone/Neph/Inflam/Neuro	Enzalutamide	1,355.78	2,149.31	1,268.92	93.59%	32.65	-	-	32.65	2,181.96	826.18	160.94%
Bone/Neph/Inflam/Neuro	Enzalutamide	1,070.58	740.47	435.93	40.72%	100.00	20.00	80.00	0.00	840.47	-230.11	78.51%
Bone/Neph/Inflam/Neuro	Enzalutamide	2,342.96	2,267.88	1,627.46	69.46%	0.00	-	0.00	0.00	2,267.88	-75.08	96.80%
Bone/Neph/Inflam/Neuro	Enzalutamide	1,776.23	1,628.58	731.33	41.17%	94.45	-	-	94.45	1,723.03	-53.20	97.01%
Bone/Neph/Inflam/Neuro	Enzalutamide	61.00	59.42	41.57	68.14%	0.00	-	-	0.00	59.42	-1.58	97.41%
Bone/Neph/Inflam/Neuro Total	-	11,603.68	11,495.17	6,393.84	55.10%	257.10	50.00	80.00	127.10	11,752.27	148.59	101.28%
Cardio/Metabolic	AMS 100	300.40	63.41	32.12	10.69%	0.00	-	-	0.00	63.41	-237.00	21.11%
Cardio/Metabolic	AMS 000	0.00	1.79	0.00	-%	-	-	-	-	1.79	1.79	-%
Cardio/Metabolic	Enzalutamide	1,330.00	1,241.30	379.16	28.51%	-	-	-	-	1,241.30	-88.70	93.33%
Cardio/Metabolic	Enzalutamide	10,439.08	8,395.15	5,547.41	53.14%	531.60	457.63	43.00	30.98	8,926.76	-1,512.32	85.51%
Cardio/Metabolic	Enzalutamide Contracting	1,100.00	864.06	398.29	36.21%	124.00	124.00	-	-	988.06	-111.94	89.82%
Cardio/Metabolic Total	-	13,169.48	10,565.71	6,356.99	48.27%	655.60	581.63	43.00	30.98	11,221.31	-1,948.17	85.21%
Mature Onc TA	Enzalutamide	56.23	41.81	37.81	67.24%	0.00	-	-	0.00	41.81	-14.42	74.35%
Mature Onc TA	Enzalutamide/Enzalutamide	1,290.74	1,053.53	380.36	29.47%	0.00	-	0.00	0.00	1,053.53	-237.21	81.62%
Mature Onc TA	Enzalutamide	360.81	306.43	237.31	65.77%	0.00	-	-	0.00	306.43	-54.38	84.93%
Mature Onc TA Total	-	1,707.78	1,401.77	655.48	38.38%	0.00	-	0.00	0.00	1,401.77	-306.01	82.08%
OncTx	AMS 000	110.40	-	0.00	0.00%	0.00	-	-	0.00	0.00	-110.40	0.00%
OncTx	Enzalutamide	2,954.14	1,922.59	960.97	32.53%	440.78	403.00	-	37.78	2,363.37	-590.77	80.00%
OncTx	Enzalutamide	1,654.67	1,354.34	905.05	54.70%	22.00	-	22.00	0.00	1,376.34	-278.32	83.18%
OncTx	Enzalutamide	7,701.73	6,481.17	4,392.19	57.03%	13.71	2.37	-	11.33	6,494.87	-1,206.86	84.33%
OncTx	Enzalutamide	881.49	733.24	375.46	42.59%	0.00	-	-	0.00	733.24	-148.25	83.18%
OncTx	Enzalutamide	1,776.14	1,374.33	839.51	47.27%	10.00	-	10.00	0.00	1,384.33	-391.80	77.94%
OncTx Total	-	15,078.57	11,865.68	7,473.19	49.56%	486.48	405.37	32.00	49.11	12,352.16	-2,726.42	81.92%
X-Prod	Department Budget	2,048.78	3,930.58	2,886.74	140.90%	180.00	-	180.00	0.00	4,110.58	2,061.80	200.64%
X-Prod	HTA CoE	2,693.52	2,262.13	1,395.74	51.82%	190.00	190.00	-	-	2,452.13	-241.39	91.04%
X-Prod	Modeling COE	1,223.72	1,163.72	825.77	67.48%	0.00	-	0.00	-	1,163.72	-60.00	95.10%
X-Prod Total	-	5,966.02	7,356.43	5,108.25	85.62%	370.00	190.00	180.00	0.00	7,726.43	1,760.41	129.51%
Total	-	47,525.53	42,684.76	25,987.75	54.68%	1,769.18	1,227.00	335.00	207.19	44,453.94	-3,071.59	93.54%

Classic Report

- ❖ Power of SQL
 - ❖ Union All
 - ❖ Analytical Function
 - ❖ Grouping
- ❖ Custom Template
 - ❖ Column
 - ❖ Row



Reporting

Universal Theme

Classic Report

Union All

Analytical Functions

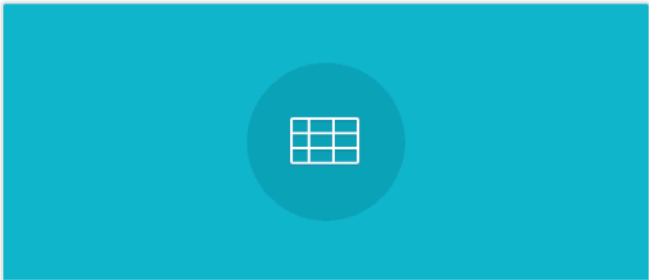
PL/SQL Region

Data Entry

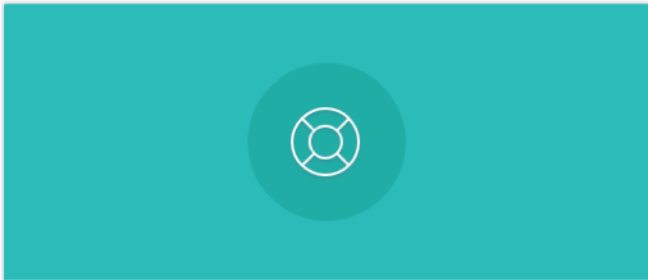
Reporting



Universal Theme



Classic Report



Union All



Analytical Functions



PL/SQL Region

DEMO



3: PL/SQL Region

Define Years

Start year

2009

End year

2016

Product Categories by Year

	2009	2010	2011	2012	2013	2014
Accelerated	AMG 386 Motesanib Prolia Romosozumab Vectibix XGEVA	AMG 386 AMG 423 AMG 479 AMG 827-PsO/PsA Prolia Romosozumab XGEVA	AMG 827-PsO/PsA IMLYGIC Prolia Repatha Romosozumab XGEVA	AMG 181 AMG 386 AMG 827-PsO/PsA Blincyto IMLYGIC Oncovex Repatha Romosozumab XGEVA	AMG 102 AMG 181 AMG 334 AMG 386 AMG 423 AMG 827-PsO/PsA Blincyto Corlanor IMLYGIC Oncovex Parsabiv Repatha Romosozumab	AMG 181 AMG 334 AMG 827-PsO/PsA AMG 827-Resp Blincyto Corlanor IMLYGIC Kyprolis Parsabiv Repatha Romosozumab
Launch	Aranesp - Neph Aranesp - Onc Enbrel Epogen Neulasta/Neupogen Nplate Sensipar/Mimpara	Aranesp - Neph Aranesp - Onc Enbrel Epogen Neulasta/Neupogen Nplate Sensipar/Mimpara Vectibix	Aranesp - Neph Aranesp - Onc Enbrel Epogen Neulasta/Neupogen Nplate Prolia Sensipar/Mimpara Vectibix	Aranesp - Neph Aranesp - Onc Enbrel Epogen Neulasta/Neupogen Nplate Prolia Sensipar/Mimpara Vectibix XGEVA	Aranesp - Neph Aranesp - Onc Enbrel Epogen Neulasta/Neupogen Nplate Prolia Sensipar/Mimpara Vectibix XGEVA	Aranesp - Neph Aranesp - Onc Epogen Prolia Sensipar/Mimpara Vectibix XGEVA
Defend						Enbrel Neulasta/Neupogen
Grow						

PL/SQL Region

❖ Full flexibility to generate HTML/CSS

```
1 declare
2   l_start_year number(4) := :P2_START_YEAR;
3   l_end_year   number(4) := :P2_END_YEAR;
4   l_products   varchar2(32767);
5 begin
6   sys.http.p('<table id="product_cat">');
7   sys.http.p('<thead><tr><th></th>'); -- year
8   for r in (select l_start_year+level-1 as year
9              from dual
10             connect by level <= l_end_year-l_start_year+1
11            )
12   loop
13     sys.http.p('<th>' || r.year || '</th>');
14   end loop;
15   sys.http.p('</tr></thead>');
16   sys.http.p('<tbody><tr>');
17   for s in (select status, id
18              from opts_status
19              order by order_nr
20             )
21   loop
22     sys.http.p('<td><b>' || s.status || '</b></td>');
23     for r in (select l_start_year+level-1 as year
24                from dual
25               connect by level <= l_end_year-l_start_year+1
26              )
27     loop
28       select listagg(p.product_name, '<br/>') within group (order by p.product_name)
29         into l_products
30         from opts_product_status ps, opts_product p
31        where ps.product_id = p.id
32              and ps.status_id = s.id
33              and to_char(ps.start_date, 'YYYY') = to_char(r.year);
34       sys.http.p('<td>' || l_products || '</td>');
35     end loop;
36     sys.http.p('</tr>');
37   end loop;
38   sys.http.p('</tbody></table>');
39 end;
```

```
1 #product_cat {
2   width:100%;
3 }
4
5 #product_cat tbody tr:nth-child(odd) {
6   background-color: rgba(4, 179, 224, 0.21);
7 }
8
9 #product_cat tbody tr:nth-child(even) {
10   background-color: rgba(4, 179, 224, 0.51);
11 }
12
13 #product_cat td{
14   padding: 15px;
15 }
16
17 #product_cat th {
18   background-color: #399BEA;
19   color: white;
20   padding: 15px;
21   text-align:center;
22 }
23
24 #product_cat td{
25   vertical-align: top;
26 }
```

4: apex_item

- —
- —
- —



Verwijderen

* Initialen

* Leeftijd jaar maand(en)

erlijke stand

Godsdienst

Foto no file selected [Download.](#)

*

Geslacht

Vrouw

Woonomgeving

Platteland/Countryside

Type woonst

Appartement/Apartment

Opleiding



+

+

+

► **Vrijstellingen en tussenkomsten**

Irina (5 jaar)



▼ HANDELINGSGBIEDEN/Occupational Performance Areas (6)

HG Wonen en zorg (BADL/PADL) / Selfcare: Personal or basic Activities of Daily Living (BADL/PADL)

kk

b134. Slaap

Niet van toepassing (0)



d210. Ondernemen van een enkelvoudige taak

Volledige beperking: 96-100% (90)



d410. Veranderen van basale lichaamshouding

Niet van toepassing (-10)



d420. Uitvoeren van transfers

Lichte beperking: 5-24% (30)



d445. Gebruiken van hand en arm

Niet van toepassing (0)



d450. Lopen (cfr. gaan/stappen/wandelen))

Niet van toepassing (0)



d510. Zich wassen

Niet van toepassing (0)



d510. Zich wassen

Niet van toepassing (0)



d520. Verzorging

Niet van toepassing (0)



Wassen en afdrogen van het gehele lichaam, of lichaamsdelen, met gebruik van water en geschikte was- en droogmaterialen of methoden, zoals baden, douchen, wassen van handen en voeten, gezicht en haar, en met een handdoek drogen.

Classic Report + APEX_ITEM + Process

- ❖ Classic Report SQL
 - ❖ Union All
 - ❖ apex_item
- ❖ Standard Template
 - ❖ CSS (class) in SQL
 - ❖ JavaScript to show/hide and slider
- ❖ Process to read apex_item values

```

1 select
2     case
3         when lvl = 0
4             then '<br/><i class="fa fa-caret-right"></i> ' || name
5             else lpad('&nbsp;',lvl*7,&nbsp;') || name end as name,
6     description, class,
7     apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s"||id||"') ||
8     case
9         when lvl = 0
10            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
11            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
12        when lvl = 1
13            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
14            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
15        when lvl = 2
16            then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
17            | apex_item.select_list_from_lov(p_idx => 2,p_value => restriction_form_id,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'class="s"||id||"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van to
18            || '<span class="slider-desc" name="s"||id||">' || nvl( (select i.description from opp_restriction_form i where i.id = t.restriction_form_id) , 'Niet van toepassing')
19            || '</span> (<span class="slider-value" name="s"||id||">' || to_char(nvl(t.svalue,0)) || '</span><div class="slider" name="s"||id||"></div>'
20        end as quotation
21 from (
22 select r.id, c.name || ' (' ||
23     (select count(*)
24         from opp_dossier_research ri
25         where c.id = ri.core_domain_id
26             and (ri.restriction_form_id is not null or ri.note is not null)
27             and ri.client_id = :AI_CLIENT_ID
28             and ri.dossier_id = :AI_DOSSIER_ID)
29     || ')' as name, c.description, 'A' || lpad(c.order_nr,4,'0') as order_nr, 0 lvl, 'core-domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
30 from opp_core_domain c, opp_dossier_research r
31 where c.id = r.core_domain_id
32     and r.client_id = :AI_CLIENT_ID
33     and r.dossier_id = :AI_DOSSIER_ID
34     and r.core_domain_id is not null
35     and r.domain_id is null
36     and r.domain_icf_id is null
37     and r.core_sets_icf_id is null
38 union all
39 select r.id, d.name, d.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') as order_nr, 1 lvl, 'domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
40 from opp_domain d, opp_core_domain c, opp_dossier_research r
41 where d.core_domain_id = c.id
42     and d.id = r.domain_id
43     and r.client_id = :AI_CLIENT_ID
44     and r.dossier_id = :AI_DOSSIER_ID
45     and r.core_domain_id is not null
46     and r.domain_id is not null
47     and r.domain_icf_id is null
48     and r.core_sets_icf_id is null
49 union all
50 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
51 from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
52 where di.icf_id = i.id
53     and d.core_domain_id = c.id
54     and di.domain_id = d.id
55     and di.id = r.domain_icf_id
56     and r.client_id = :AI_CLIENT_ID
57     and r.dossier_id = :AI_DOSSIER_ID
58     and r.core_domain_id is not null
59     and r.domain_id is not null
60     and r.domain_icf_id is not null
61 union all
62 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
63 from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
64 where di.icf_id = i.id
65     and d.core_domain_id = c.id
66     and di.domain_id = d.id
67     and di.id = r.CORE_SETS_ICF_id
68     and r.client_id = :AI_CLIENT_ID
69     and r.dossier_id = :AI_DOSSIER_ID

```

```

1 select
2     case
3         when lvl = 0
4             then '<br/><i class="fa fa-caret-right"></i> ' || name
5             else lpad('&nbsp; ',lvl*7,&nbsp; ') || name end as name,
6     description, class,
7     apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s"||id||"') ||
8     case
9         when lvl = 0
10            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
11            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
12        when lvl = 1
13            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
14            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
15        when lvl = 2
16            then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
17            | apex_item.select_list_from_lov(p_idx => 2,p_value => restriction_form_id,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'class="s"||id||"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van to
18            || '<span class="slider-desc" name="s"||id||">' || nvl( (select i.description from opp_restriction_form i where i.id = t.restriction_form_id) , 'Niet van toepassing')
19            || '</span> (<span class="slider-value" name="s"||id||">' || to_char(nvl(t.svalue,0)) || '</span><div class="slider" name="s"||id||"></div>'
20        end as quotation
21 from (
22 select r.id, c.name || ' (' ||
23     (select count(*)
24     from opp_dossier_research ri
25     where c.id = ri.core_domain_id
26     and (ri.restriction_form_id is not null or ri.note is not null)
27     and ri.client_id = :AI_CLIENT_ID
28     and ri.dossier_id = :AI_DOSSIER_ID)
29     || ')' as name, c.description, 'A' || lpad(c.order_nr,4,'0') as order_nr, 0 lvl, 'core-domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
30 from opp_core_domain c, opp_dossier_research r
31 where c.id = r.core_domain_id
32     and r.client_id = :AI_CLIENT_ID
33     and r.dossier_id = :AI_DOSSIER_ID
34     and r.core_domain_id is not null
35     and r.domain_id is null
36     and r.domain_icf_id is null
37     and r.core_sets_icf_id is null
38 union all
39 select r.id, d.name, d.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') as order_nr, 1 lvl, 'domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
40 from opp_domain d, opp_core_domain c, opp_dossier_research r
41 where d.core_domain_id = c.id
42     and d.id = r.domain_id
43     and r.client_id = :AI_CLIENT_ID
44     and r.dossier_id = :AI_DOSSIER_ID
45     and r.core_domain_id is not null
46     and r.domain_id is not null
47     and r.domain_icf_id is null
48     and r.core_sets_icf_id is null
49 union all
50 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
51 from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
52 where di.icf_id = i.id
53     and d.core_domain_id = c.id
54     and di.domain_id = d.id
55     and di.id = r.domain_icf_id
56     and r.client_id = :AI_CLIENT_ID
57     and r.dossier_id = :AI_DOSSIER_ID
58     and r.core_domain_id is not null
59     and r.domain_id is not null
60     and r.domain_icf_id is not null
61 union all
62 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
63 from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
64 where di.icf_id = i.id
65     and d.core_domain_id = c.id
66     and di.domain_id = d.id
67     and di.id = r.CORE_SETS_ICF_id
68     and r.client_id = :AI_CLIENT_ID
69     and r.dossier_id = :AI_DOSSIER_ID

```

```

1 select
2     case
3         when lvl = 0
4             then '<br/><i class="fa fa-caret-right"></i> ' || name
5             else lpad('&nbsp;',lvl*7,&nbsp;') || name end as name,
6     description, class,
7     apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s"||id||"') ||
8     case
9         when lvl = 0
10            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
11            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
12        when lvl = 1
13            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
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15        when lvl = 2
16            then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
17            | apex_item.select_list_from_lov(p_idx => 2,p_value => restriction_form_id,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'class="s"||id||"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van to
18            ||<span class="slider-desc" name="s"||id||">">|| nvl( (select i.description from opp_restriction_form i where i.id = t.restriction_form_id) , 'Niet van toepassing')
19            ||</span> (<span class="slider-value" name="s"||id||">">||to_char(nvl(t.svalue,0))||</span><div class="slider" name="s"||id||">"></div>'
20        end as quotation
21 from (
22 select r.id, c.name || ' (' ||
23     (select count(*)
24     from opp_dossier_research ri
25     where c.id = ri.core_domain_id
26     and (ri.restriction_form_id is not null or ri.note is not null)
27     and ri.client_id = :AI_CLIENT_ID
28     and ri.dossier_id = :AI_DOSSIER_ID)
29     ||')' as name, c.description, 'A' || lpad(c.order_nr,4,'0') as order_nr, 0 lvl, 'core-domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
30 from opp_core_domain c, opp_dossier_research r
31 where c.id = r.core_domain_id
32     and r.client_id = :AI_CLIENT_ID
33     and r.dossier_id = :AI_DOSSIER_ID
34     and r.core_domain_id is not null
35     and r.domain_id is null
36     and r.domain_icf_id is null
37     and r.core_sets_icf_id is null
38 union all
39 select r.id, d.name, d.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') as order_nr, 1 lvl, 'domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
40 from opp_domain d, opp_core_domain c, opp_dossier_research r
41 where d.core_domain_id = c.id
42     and d.id = r.domain_id
43     and r.client_id = :AI_CLIENT_ID
44     and r.dossier_id = :AI_DOSSIER_ID
45     and r.core_domain_id is not null
46     and r.domain_id is not null
47     and r.domain_icf_id is null
48     and r.core_sets_icf_id is null
49 union all
50 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
51 from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
52 where di.icf_id = i.id
53     and d.core_domain_id = c.id
54     and di.domain_id = d.id
55     and di.id = r.domain_icf_id
56     and r.client_id = :AI_CLIENT_ID
57     and r.dossier_id = :AI_DOSSIER_ID
58     and r.core_domain_id is not null
59     and r.domain_id is not null
60     and r.domain_icf_id is not null
61 union all
62 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
63 from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
64 where di.icf_id = i.id
65     and d.core_domain_id = c.id
66     and di.domain_id = d.id
67     and di.id = r.CORE_SETS_ICF_id
68     and r.client_id = :AI_CLIENT_ID
69     and r.dossier_id = :AI_DOSSIER_ID

```

```

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2     case
3         when lvl = 0
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6     description, class,
7     apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s"||id||"') ||
8     case
9         when lvl = 0
10            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
11            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
12        when lvl = 1
13            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
14            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
15        when lvl = 2
16            then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
17            | apex_item.select_list_from_lov(p_idx => 2,p_value => restriction_form_id,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'class="s"||id||"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van to
18            ||<span class="slider-desc" name="s"||id||">">|| nvl( (select i.description from opp_restriction_form i where i.id = t.restriction_form_id) , 'Niet van toepassing')
19            ||</span> (<span class="slider-value" name="s"||id||">">||to_char(nvl(t.svalue,0))||</span><div class="slider" name="s"||id||">"></div>'
20        end as quotation
21 from (
22 select r.id, c.name || ' (' ||
23     (select count(*)
24     from opp_dossier_research ri
25     where c.id = ri.core_domain_id
26     and (ri.restriction_form_id is not null or ri.note is not null)
27     and ri.client_id = :AI_CLIENT_ID
28     and ri.dossier_id = :AI_DOSSIER_ID)
29     ||')' as name, c.description, 'A' || lpad(c.order_nr,4,'0') as order_nr, 0 lvl, 'core-domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
30 from opp_core_domain c, opp_dossier_research r
31 where c.id = r.core_domain_id
32     and r.client_id = :AI_CLIENT_ID
33     and r.dossier_id = :AI_DOSSIER_ID
34     and r.core_domain_id is not null
35     and r.domain_id is null
36     and r.domain_icf_id is null
37     and r.core_sets_icf_id is null
38 union all
39 select r.id, d.name, d.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') as order_nr, 1 lvl, 'domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
40 from opp_domain d, opp_core_domain c, opp_dossier_research r
41 where d.core_domain_id = c.id
42     and d.id = r.domain_id
43     and r.client_id = :AI_CLIENT_ID
44     and r.dossier_id = :AI_DOSSIER_ID
45     and r.core_domain_id is not null
46     and r.domain_id is not null
47     and r.domain_icf_id is null
48     and r.core_sets_icf_id is null
49 union all
50 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
51 from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
52 where di.icf_id = i.id
53     and d.core_domain_id = c.id
54     and di.domain_id = d.id
55     and di.id = r.domain_icf_id
56     and r.client_id = :AI_CLIENT_ID
57     and r.dossier_id = :AI_DOSSIER_ID
58     and r.core_domain_id is not null
59     and r.domain_id is not null
60     and r.domain_icf_id is not null
61 union all
62 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
63 from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
64 where di.icf_id = i.id
65     and d.core_domain_id = c.id
66     and di.domain_id = d.id
67     and di.id = r.CORE_SETS_ICF_id
68     and r.client_id = :AI_CLIENT_ID
69     and r.dossier_id = :AI_DOSSIER_ID

```

```

1 select
2     case
3         when lvl = 0
4             then '<br/><i class="fa fa-caret-right"></i> ' || name
5             else lpad('&nbsp;',lvl*7,&nbsp;') || name end as name,
6     description, class,
7     apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s"||id||"') ||
8     case
9         when lvl = 0
10            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
11            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
12        when lvl = 1
13            then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
14            | apex_item.select_list_from_lov(p_idx => 2,p_value => null,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'style="display:none"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van toepassing',p_
15        when lvl = 2
16            then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
17            | apex_item.select_list_from_lov(p_idx => 2,p_value => restriction_form_id,p_lov => 'RESTRICTION_FORM_LOV',p_attributes => 'class="s"||id||"',p_show_null => 'YES',p_null_value => null,p_null_text => 'Niet van to
18            ||<span class="slider-desc" name="s"||id||">">|| nvl( (select i.description from opp_restriction_form i where i.id = t.restriction_form_id) , 'Niet van toepassing')
19            ||</span> (<span class="slider-value" name="s"||id||">">||to_char(nvl(t.svalue,0))||</span><div class="slider" name="s"||id||">"></div>'
20        end as quotation
21 from (
22 select r.id, c.name || ' (' ||
23     (select count(*)
24         from opp_dossier_research ri
25         where c.id = ri.core_domain_id
26             and (ri.restriction_form_id is not null or ri.note is not null)
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29     ||')' as name, c.description, 'A' || lpad(c.order_nr,4,'0') as order_nr, 0 lvl, 'core-domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
30 from opp_core_domain c, opp_dossier_research r
31 where c.id = r.core_domain_id
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34     and r.core_domain_id is not null
35     and r.domain_id is null
36     and r.domain_icf_id is null
37     and r.core_sets_icf_id is null
38 union all
39 select r.id, d.name, d.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') as order_nr, 1 lvl, 'domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
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42     and d.id = r.domain_id
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46     and r.domain_id is not null
47     and r.domain_icf_id is null
48     and r.core_sets_icf_id is null
49 union all
50 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
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53     and d.core_domain_id = c.id
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62 select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
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```

```

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7   apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s"||id||"') ||
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15      when lvl = 2
16      then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
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18        ||'<span class="slider-desc" name="s"||id||">' || nvl( (select i.description from opp_restriction_form i where i.id = t.restriction_form_id) , 'Niet van toepassing')
19        ||'</span> (<span class="slider-value" name="s"||id||">' || to_char(nvl(t.svalue,0)) ||'</span><div class="slider" name="s"||id||"></div>'
20    end as quotation
21 from (
22   select r.id, c.name || ' (' ||
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24      from opp_dossier_research ri
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32     and r.client_id = :AI_CLIENT_ID
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34     and r.core_domain_id is not null
35     and r.domain_id is null
36     and r.domain_icf_id is null
37     and r.core_sets_icf_id is null
38 union all
39   select r.id, d.name, d.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') as order_nr, 1 lvl, 'domain' as class, r.restriction_form_id, substr(r.note,1,3000) as note, r.svalue
40   from opp_domain d, opp_core_domain c, opp_dossier_research r
41   where d.core_domain_id = c.id
42     and d.id = r.domain_id
43     and r.client_id = :AI_CLIENT_ID
44     and r.dossier_id = :AI_DOSSIER_ID
45     and r.core_domain_id is not null
46     and r.domain_id is not null
47     and r.domain_icf_id is null
48     and r.core_sets_icf_id is null
49 union all
50   select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
51   from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
52   where di.icf_id = i.id
53     and d.core_domain_id = c.id
54     and di.domain_id = d.id
55     and di.id = r.domain_icf_id
56     and r.client_id = :AI_CLIENT_ID
57     and r.dossier_id = :AI_DOSSIER_ID
58     and r.core_domain_id is not null
59     and r.domain_id is not null
60     and r.domain_icf_id is not null
61 union all
62   select r.id, i.icf_code || '. ' || i.title_nl as title_nl, di.description, 'A' || lpad(c.order_nr,4,'0') || 'B' || lpad(d.order_nr,4,'0') || i.icf_code as order_nr, 2 lvl, 'icf' as class, r.restriction_form_id, substr(r.no
63   from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
64   where di.icf_id = i.id
65     and d.core_domain_id = c.id
66     and di.domain_id = d.id
67     and di.id = r.CORE_SETS_ICF_id
68     and r.client_id = :AI_CLIENT_ID
69     and r.dossier_id = :AI_DOSSIER_ID

```

JavaScript

CSS

```
1 $('span.core-domain').parent().parent().addClass('core-domain');
2 $('span.domain').parent().parent().addClass('domain');
3 $('span.icf').parent().parent().addClass('icf');
4
5 $('tr.domain').click(function() {
6     $(this).children('td[headers="QUOTATION"]').toggle();
7     $(this).nextUntil('tr.domain', 'tr.icf').toggle();
8 });
9
10 $('tr.domain td :input').click(function(e){
11     e.stopPropagation();
12 });
13
14 Complexity is 3 Everything is cool!
15 $('tr.core-domain').click(function() {
16     $(this).toggleClass("selected");
17     if ($(this).hasClass('selected')) {
18         $(this).nextUntil('tr.core-domain').hide();
19         $(this).find('i.fa').switchClass('fa-caret-down', 'fa-caret-right', 10, 'linear');
20     } else {
21         $(this).nextUntil('tr.core-domain').show();
22         $(this).find('i.fa').switchClass('fa-caret-right', 'fa-caret-down', 10, 'linear');
23     }
24 });
25
26 $('tr.core-domain').trigger('click');
27
28 // slider
29 $(".slider").slider({
30     value:0,
31     min: 0,
32     max: 100,
33     step: 2,
34
35     Complexity is 16 You must be kidding
36     slide: function( event, ui ) {
37         //console.log($(this));
38         var sliderName = $(this).attr("name");
39         //console.log(sliderName);
40         $( ".slider-value[name='"+sliderName+"']" ).html( ui.value );
41         $( "input:hidden[class='"+sliderName+"']" ).val( ui.value );
42         if(ui.value>0 && ui.value <= 20){
43             $( "select[class='"+sliderName+"']" ).val('1');
44             $( ".slider-desc[name='"+sliderName+"']" ).html( 'Groen: geen beperking: 0-4%');
45         } else if (ui.value >= 21 && ui.value <= 40){
46             $( "select[class='"+sliderName+"']" ).val('2');
47             $( ".slider-desc[name='"+sliderName+"']" ).html( 'Oranje: lichte beperking: 5-24%');
48         } else if (ui.value >= 41 && ui.value <= 60){
49             $( "select[class='"+sliderName+"']" ).val('3');
50             $( ".slider-desc[name='"+sliderName+"']" ).html( 'Oranje: matige beperking : 25-49%');
51         } else if (ui.value >= 61 && ui.value <= 80){
52             $( "select[class='"+sliderName+"']" ).val('4');
53             $( ".slider-desc[name='"+sliderName+"']" ).html( 'Rood: ernstige beperking: 50-95%');
54         } else if (ui.value >= 81 && ui.value <= 100){
55             $( "select[class='"+sliderName+"']" ).val('5');
56             $( ".slider-desc[name='"+sliderName+"']" ).html( 'Rood: volledige beperking: 96-100%');
57         } else {
58             $( "select[class='"+sliderName+"']" ).val('');
59             $( ".slider-desc[name='"+sliderName+"']" ).html( 'Niet van toepassing');
60         }
61     }
62 });
63
64 $('tr.ui-widget-content').css('background','linear-gradient(to right, green 20%, orange 20%, orange 60%, red 60%, red 100%)');
65
66 $('tr.slider-value').each(function(){
67     var sliderValue = $(this).html();
68     $('tr.slider[name="'+$(this).attr("name")+'"]').slider('value', sliderValue);
69 });
```

```
1 #structure_browser > table > table.t-Report-report {
2     width:950px
3 }
4 div.slider { margin-top: 4px; width: 400px; }
5 body .ui-state-default, body .ui-widget-content .ui-state-default { background-color: #f0f0f0; }
6 body .ui-widget-header .ui-state-default { background-color: #f0f0f0; }
7 select[name="f02"] { display: none; }
8 span.core-domain {
9     font-size: 10pt;
10     color: rgb(22, 143, 31);
11 }
12 span.domain {
13 }
14 span.icf{
15     color: #666;
16 }
17 span.core-domain:hover {
18     cursor:help;
19 }
20 div#files_dropzone.dropzone.dz-clickable {
21     border: 3px dashed #CCCCCC !important;
22 }
```

After Submit

Validating

Processing

Processes

Process Row

Update reco

After Processing

Branches

Terug

Handelingsd

Ajax Callback

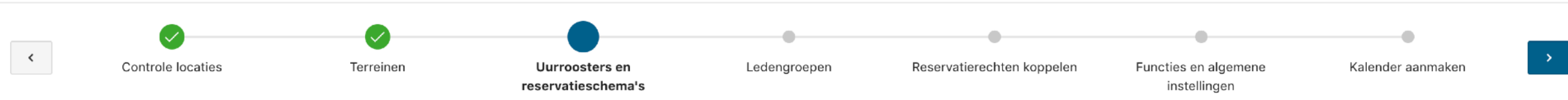
Code Editor - PL/SQL Code

```
1 forall i in 1..apex_application.g_f01.count
2   update opp_dossier_research
3     set restriction_form_id = apex_application.g_f02(i)
4       , note = apex_application.g_f03(i)
5       , svalue = apex_application.g_f05(i)
6   where id = apex_application.g_f01(i)
7     and client_id = :AI_CLIENT_ID
8     and dossier_id = :AI_DOSSIER_ID;
9
10 update opp_dossier
11   set client_treatment_area = replace(client_treatment_area, UNISTR('\200B'), '')
12     , client_patern         = replace(client_patern, UNISTR('\200B'), '')
13     , client_life_experience = replace(client_life_experience, UNISTR('\200B'), '')
14 where id = :AI_DOSSIER_ID;
```

5: Built-in features & DA

- Home
- Terreinreservatie
- App beheer
- Tennisschool
- Toegangsbeheer

Reservatiesysteem aanmaken



Uurroosters

Nieuw uurrooster toevoegen

Half uur

Uurrooster per sport per terrein

Tennis - Indoor		Snel uurrooster invullen		Naam reservatieschema Tennis reservatieschema Indoor (16-JL)			
Terrein Naam	Maandag	Dinsdag	Woensdag	Donderdag	Vrijdag	Zaterdag	Zondag
sporthal 1	Half uur	Half uur	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
sporthal 2	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
Terrein 1	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
Terrein 2	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
Terrein 3	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -

Tennis - Outdoor		Snel uurrooster invullen		Naam reservatieschema Tennis reservatieschema Outdoor (16-			
Terrein Naam	Maandag	Dinsdag	Woensdag	Donderdag	Vrijdag	Zaterdag	Zondag
Terrein 1	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
Terrein 2	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
Terrein 3	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
Terrein 4	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -
Terrein 5	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -	- Niet in gebruik -

What is this?



0014 PUTSE T.C. \ Reserveringen \

Reservatiesysteem aanmaken

  Controle locaties

Uurroosters



Uurrooster per sport per terrein

Tennis - Indoor

Snel uurroost

Terrein Naam	Maandag
sporthal 1	Half uur
sporthal 2	- Niet in gebruik -
Terrein 1	- Niet in gebruik -
Terrein 2	- Niet in gebruik -
Terrein 3	- Niet in gebruik -

Tennis - Outdoor

Snel uurroost

Terrein Naam	Maandag
Terrein 1	- Niet in gebruik -
Terrein 2	- Niet in gebruik -
Terrein 3	- Niet in gebruik -
Terrein 4	- Niet in gebruik -
Terrein 5	- Niet in gebruik -

Uurrooster Invullen

Sport
Tennis

Selecteer Uurrooster
Half uur

Start Uur ↑	Eind Uur	
09:00	09:30	
09:30	10:00	
10:00	10:30	
10:30	11:00	
11:00	11:30	
11:30	12:00	
12:00	12:30	
1 rijen geselecteerd		Totaal 30

Naam reservatieschema
Tennis reservatieschema Indoor (16-JUN-2019 12:07)

Uurrooster van toepassing op volgende dagen

☐ Maandag ☐ Dinsdag ☐ Woensdag ☐ Donderdag ☐ Vrijdag ☐ Zaterdag ☐ Zondag

Uurrooster van toepassing op volgende terreinen

☐ sporthal 1 ☐ sporthal 2 ☐ Terrein 1 ☐ Terrein 2 ☐ Terrein 3

Opslaan

Functies en algemene
instellingen

Kalender aanmak

Nieuw uurroost

Interactive Report + APEX_ITEM + DA

- ❖ Interactive Report
 - ❖ Standard break
 - ❖ apex_item
- ❖ Dynamic Actions
 - ❖ Autosave
 - ❖ Refresh report

- Reporting
- Data Entry
- apex_item
- Built-in features & DA

Data Entry

apex_item

Built-in features & DA

DEMO



6: AJAX

Home

Terreinreservatie

App beheer

Tennisschool

Toegangsbeheer

0014 PUTSE T.C. \ Reserveringen \

Reservatiesysteem aanmaken

<

Controle locaties

Terreinen

Uurroosters en reservatieschema's

Ledengroepen

Reservatierechten koppelen

Funcities en algemene instellingen

Kalender aanmaken

>

Zorg dat je de ledengroepen per dag aan alle terreinen koppelt (waar en wanneer men mag reserveren).
Let op: de "Kopieer"-knoppen kopiëren de koppelingen enkel naar de terreinen en/of dagen die eenzelfde uurrooster hebben.

▶ Maandag	Kopieer naar andere dagen
▶ Dinsdag	Kopieer naar andere dagen
▶ Woensdag	Kopieer naar andere dagen
▶ Donderdag	Kopieer naar andere dagen
▶ Vrijdag	Kopieer naar andere dagen
▶ Zaterdag	Kopieer naar andere dagen
▶ Zondag	Kopieer naar andere dagen



Zorg dat je de ledengroepen per dag aan alle terreinen koppelt (waar en wanneer men mag reserveren).
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▶ Maandag	Kopieer naar andere dagen
▶ Dinsdag	Kopieer naar andere dagen
▶ Woensdag	Kopieer naar andere dagen
▶ Donderdag	Kopieer naar andere dagen
▶ Vrijdag	Kopieer naar andere dagen
▶ Zaterdag	Kopieer naar andere dagen
▶ Zondag	Kopieer naar andere dagen



sporthal 1

Kopieer naar andere terreinen

	BESTUURSLE	LEDEN	ZATERDAG V	Enkel reservatie op de club	Reserveren met andere ledengroep
	☐	☐	☒	☐	☐
09:00 - 09:30 ☐	☐	☐	☒	☐	☐
09:30 - 10:00 ☐	☐	☐	☒	☐	☐
10:00 - 10:30 ☐	☐	☒	☒	☐	☐
10:30 - 11:00 ☐	☐	☐	☒	☐	☐
11:00 - 11:30 ☐	☐	☐	☒	☒	☒
11:30 - 12:00 ☐	☐	☐	☒	☐	☐
12:00 - 12:30 ☒	☒	☒	☒	☒	☒
12:30 - 13:00 ☐	☐	☐	☒	☐	☐
13:00 - 13:30 ☐	☐	☐	☒	☐	☐
13:30 - 14:00 ☐	☐	☐	☒	☐	☐
14:00 - 14:30 ☐	☐	☐	☒	☐	☐

▼ Maandag

Kopieer naar andere dagen

sporthal 1

Kopieer naar andere dagen

	BESTUURSLE	LEDEN	ZATER
	☐	☐	☒
09:00 - 09:30 ☐	☐	☐	☒
09:30 - 10:00 ☐	☐	☐	☒
10:00 - 10:30 ☐	☐	☒	☒
10:30 - 11:00 ☐	☐	☐	☒
11:00 - 11:30 ☐	☐	☐	☒
11:30 - 12:00 ☐	☐	☐	☒
12:00 - 12:30 ☒	☒	☒	☒
12:30 - 13:00 ☐	☐	☐	☒
13:00 - 13:30 ☐	☐	☐	☒

Kopieer naar andere dagen



Geselecteerde dag
Maandag

Kopieer naar volgende dagen

☐ Dinsdag ☐ Woensdag ☐ Donderdag ☐ Vrijdag ☐ Zaterdag ☐ Zondag

Kopieer

PL/SQL Dynamic Content + Ajax

- ❖ PL/SQL Region
 - ❖ Collapsible template
- ❖ Inline Dialogs: pop-ups defined on same page
 - ❖ After Submit Process
- ❖ Dynamic Action: Click Checkboxes
 - ❖ `apex.server.process`

Region: PL/SQL Dynamic Content

Code Editor - PL/SQL Code

```
1 declare
2   l_checked varchar2(10);
3   l_characters_head number := 10;
4 begin
5   if :P22_UURSCHEMA_ID is null
6   then
7     sys.http.p('<p>Gelieve een reservatieschema te selecteren.</p>');
8   else
9     sys.http.p('<p>Zorg dat je de ledengroepen per dag aan alle terreinen koppelt (waar en wanneer men mag reserveren). <br/>
10    Let op: de "Kopieer"-knoppen kopiëren de koppelingen enkel naar de terreinen en/of dagen die eenzelfde uurrooster hebben.</p>');
11   for r in (
12     select display_value, return_value
13     from APEX_APPLICATION_LOV_ENTRIES
14     where application_id = :APP_ID
15           and list_of_values_name = 'DAGEN_WEEK_LOV'
16     order by display_sequence
17   ) loop
18     sys.http.p('
19     <div class="t-Region t-Region--hideShow t-Region--scrollBody lto4604896975720722_0 a-Collapsible is-collapsed" id="R4604896975720722">
20       <div class="t-Region-header">
21         <div class="t-Region-headerItems t-Region-headerItems--controls">
22           <button class="t-Button t-Button--icon t-Button--hideShow" type="button" aria-labelledby="a_Collapsible1_R4604896975720722_heading" aria-controls="a_Collapsible1_R4604896975720722">
23             </button>
24           </div>
25           <div class="t-Region-headerItems t-Region-headerItems--title">
26             <h2 class="t-Region-title a-Collapsible-heading" id="a_Collapsible1_R4604896975720722_heading">||r.display_value||</h2>
27           </div>
28           <div class="t-Region-headerItems t-Region-headerItems--buttons"><button onclick="openAndereDagen('|| r.return_value ||','||r.display_value||');" class="t-Button t-Button--icon t-Button--hideShow">
29             </button>
30           </div>
31           <div class="t-Region-bodyWrap">
32             <div class="t-Region-buttons t-Region-buttons--top">
33               <div class="t-Region-buttons-left"></div>
34               <div class="t-Region-buttons-right"></div>
35             </div>
36             <div class="t-Region-body a-Collapsible-content" id="a_Collapsible1_R4604896975720722_content" aria-hidden="false" style="">
37               </div>
38             </div>
39           </div>
40         </div>
41       </div>
42     </div>
43   ');
44   -- generate terreinen
45   for k in (select g.TERREINTYPE_NAAM, g.TERREIN_ID
46     from A_TERREINGROEPEN_V g
47     where g.partij_id = :AI_PARTIJ_ID
48           and g.terreintype_is_actief = 'J'
49     and exists (select 1
50       from A_TERREINGROEPEN_V k
51       where k.terreintype_naam = g.terreintype_naam
52             and k.terrein_id = g.terrein_id
53             and k.partij_id = :AI_PARTIJ_ID
54             and k.terreintype_is_actief = 'J'))
55   loop
56     sys.http.p('
57     <div class="t-Region t-Region--hideShow t-Region--scrollBody lto4604896975720722_0 a-Collapsible is-collapsed" id="R4604896975720722">
58       <div class="t-Region-header">
59         <div class="t-Region-headerItems t-Region-headerItems--controls">
60           <button class="t-Button t-Button--icon t-Button--hideShow" type="button" aria-labelledby="a_Collapsible1_R4604896975720722_heading" aria-controls="a_Collapsible1_R4604896975720722">
61             </button>
62           </div>
63           <div class="t-Region-headerItems t-Region-headerItems--title">
64             <h2 class="t-Region-title a-Collapsible-heading" id="a_Collapsible1_R4604896975720722_heading">||g.terreintype_naam||</h2>
65           </div>
66           <div class="t-Region-headerItems t-Region-headerItems--buttons"><button onclick="openAndereDagen('|| g.terrein_id ||','||g.terreintype_naam||');" class="t-Button t-Button--icon t-Button--hideShow">
67             </button>
68           </div>
69           <div class="t-Region-bodyWrap">
70             <div class="t-Region-buttons t-Region-buttons--top">
71               <div class="t-Region-buttons-left"></div>
72               <div class="t-Region-buttons-right"></div>
73             </div>
74             <div class="t-Region-body a-Collapsible-content" id="a_Collapsible1_R4604896975720722_content" aria-hidden="false" style="">
75               </div>
76             </div>
77           </div>
78         </div>
79       </div>
80     </div>
81   ');
82   end loop;
83 end;
```

Cancel OK

```
1 var selection = this.triggeringElement.dataset.selection;
2 var overrideSelection = this.triggeringElement.dataset.overrideSelection;
3 var terreinId=this.triggeringElement.dataset.terreinid;
4 var c=$(this.triggeringElement).attr("name");
5 var arr=[];
6 if (selection === "all") {
7     var selectionChecked = $(this.triggeringElement).prop('checked');
8     $('#tr_'+terreinId+' .' +c).prop('checked', function (i, value) {
9         var items = {};
10        items.terreinschemaid = $(this).data("terreinschemaid");
11        items.ledengroepid = $(this).data("ledengroepid");
12        items.checked = (!$ (this).data("ledengroepid") && !overrideSelection ? value : selectionChecked) ? "Y" : "N"
13        arr.push(items);
14        if (!$ (this).data("ledengroepid") && !overrideSelection){
15            return value;
16        }
17        return selectionChecked;
18    });
19 } else {
20     var items = {};
21     items.terreinschemaid = $(this.triggeringElement).data("terreinschemaid");
22     items.ledengroepid = $(this.triggeringElement).data("ledengroepid");
23     if ($(this.triggeringElement).prop('checked')) { items.checked = "Y"; } else { items.checked = "N"; }
24     arr.push(items);
25 }
26 //Send the changes to the server via Ajax
27 apex.server.process('UPDATE_RSV_TERREINSCHEMA_LEDENGROEP', {
28     p_clob_01: JSON.stringify(arr)
29 },{
30     success: function(data) {
31         console.log("data", data);
32     },dataType : "text"
33 });
```

```
1 declare
2     l_json_clob    clob;
3     l_json_values apex_json.t_values;
4     l_count        pls_integer;
5     l_rec          RSV_TERREINSHEMA_LEDENGROEP%rowtype;
6     l_checked      varchar2(1);
7 begin
8     l_json_clob := apex_application.g_clob_01;
9
10    apex_json.parse(p_values => l_json_values, p_source => l_json_clob);
11
12    --Get a count of the products that were passed in
13    l_count := apex_json.get_count(p_path => '.', p_values => l_json_values);
14
15    for idx in 1 .. l_count
16    loop
17        --Get the values from each element in the array
18        l_rec.terreinschema_id := apex_json.get_number(
19            p_path => '[%d].terreinschemaid',
20            p0 => idx,
21            p_values => l_json_values
22        );
23
24        l_checked := apex_json.get_varchar2(
25            p_path => '[%d].checked',
26            p0 => idx,
27            p_values => l_json_values
28        );
29
30        --Issue the SQL statement to update the data
31        if l_checked = 'Y'
32        then
33            apex_debug.message(p_message => 'insert record (terreinschema_id, ledengroep_id) = ' || l_rec.terreinschema_id || ',' || l_rec.ledengroep_id);
34        end if;
35    end loop;
36
37    --Write some JSON out for the response
38    apex_json.open_object();
39    apex_json.write('status', 'success');
40    apex_json.close_object();
41 end;
```



Activiteiten reserveren

Datum
16/06/2019

Terreingroep
- Alle -

Reservatieschema

<

>

	sporthal 1	sporthal 2	Terrein 1	Terrein 2	Terrein 3	Terrein 1	Terrein 2	Terrein 3	Terrein 4	Terrein 5	Terrein 6	Terrein 7
09:00						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
09:15												
09:30						Interclubtraining		Vrij	Vrij	Vrij	Vrij	Vrij
09:45						09:30 - 10:00						
10:00						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
10:15												
10:30						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
10:45												
11:00						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
11:15												
11:30						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
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12:00						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
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12:30						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
12:45												
13:00						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
13:15												
13:30						Vrij	Vrij	Vrij	Vrij	Vrij	Vrij	Vrij
13:45												
14:00												

Home

Application 100

Edit Page 37

Session

View Debug

Debug

Page Info

Quick Edit

Theme Roller

Completely JavaScript Rendered

- ❖ Static Content Region
 - ❖ Div which is filled by DA and AJAX call
 - ❖ Use of JSON to transfer data
- ❖ Modal Dialog (other pages)
 - ❖ Dynamic Actions
 - ❖ External JS library for recurring schedule

- # 1: UT to the full extent
- # 2: Power of SQL and Templates
- # 3: PL/SQL Region
- # 4: apex_item
- # 5: Built-in features & DA
- # 6: AJAX



Q&A

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