Dimitri Gielis

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

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Dimitri Gielis



- Founder & CEO of United Codes
- 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

united codes®



APEX Office Print



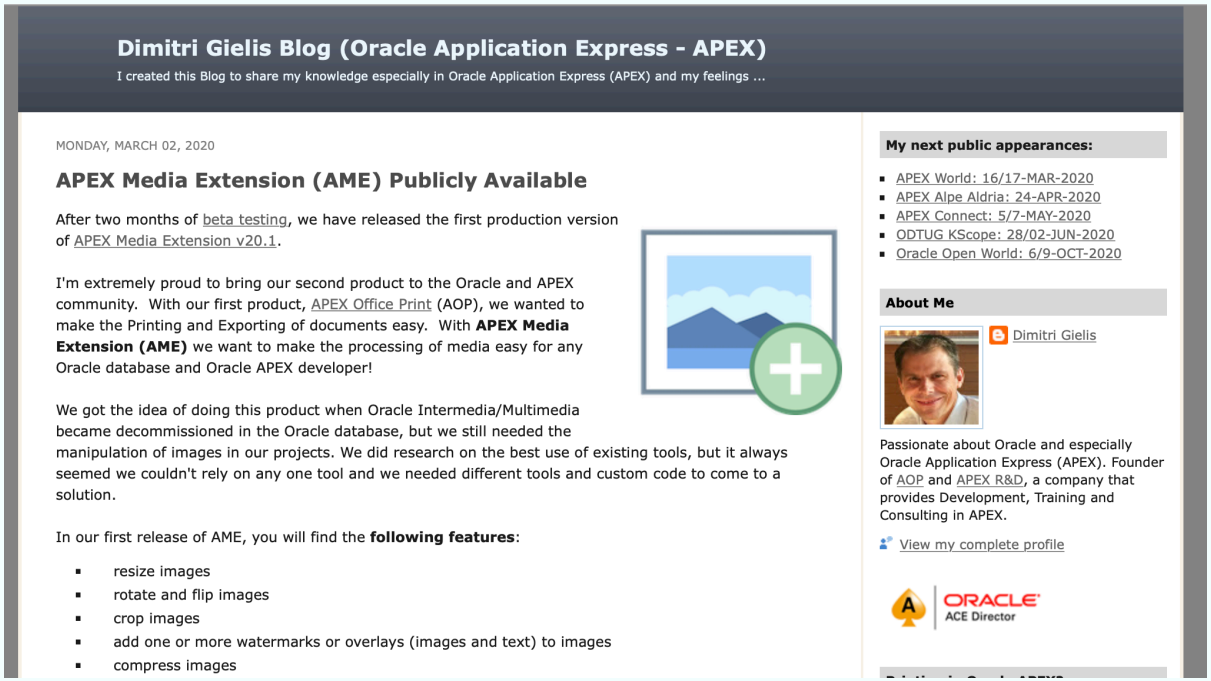
APEX Media Extension



APEX Project Eye

http://dgielis.blogspot.com

@dgielis



Dimitri Gielis Blog (Oracle Application Express - APEX)

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

MONDAY, MARCH 02, 2020

APEX Media Extension (AME) Publicly Available

After two months of beta testing, we have released the first production version of APEX Media Extension v20.1.

I'm extremely proud to bring our second product to the Oracle and APEX community. With our first product, APEX Office Print (AOP), we wanted to make the Printing and Exporting of documents easy. With **APEX Media Extension (AME)** we want to make the processing of media easy for any Oracle database and Oracle APEX developer!

We got the idea of doing this product when Oracle Intermedia/Multimedia became decommissioned in the Oracle database, but we still needed the manipulation of images in our projects. We did research on the best use of existing tools, but it always seemed we couldn't rely on any one tool and we needed different tools and custom code to come to a solution.

In our first release of AME, you will find the **following features**:

- resize images
- rotate and flip images
- crop images
- add one or more watermarks or overlays (images and text) to images
- compress images

My next public appearances:

- APEX World: 16/17-MAR-2020
- APEX Alpe Aldria: 24-APR-2020
- APEX Connect: 5/7-MAY-2020
- ODTUG KScope: 28/02-JUN-2020
- Oracle Open World: 6/9-OCT-2020

About Me

Dimitri Gielis

Passionate about Oracle and especially Oracle Application Express (APEX). Founder of AOP and APEX R&D, a company that provides Development, Training and Consulting in APEX.

View my complete profile

ORACLE ACE Director



dgielis / presentations

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

No description, website, or topics provided.

Edit

Manage topics

2 commits 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find File Clone or download

dgielis Update README.md Latest commit 4478b2f 15 seconds ago

README.md Update README.md 15 seconds ago

README.md

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 APEX

Universal Theme

Universal Theme is a responsive, versatile, and customizable user interface for your APEX 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/

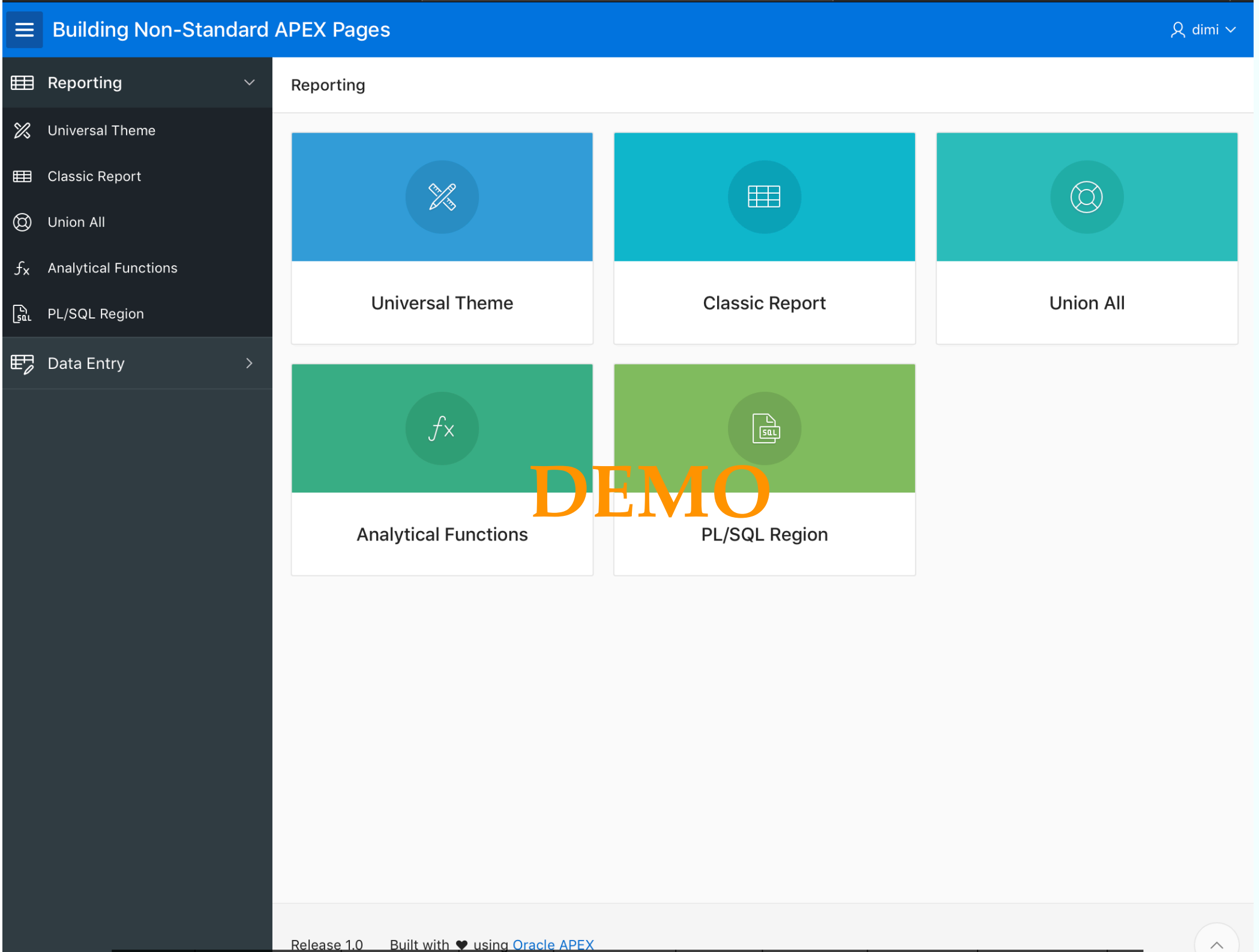
DEMO

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	[redacted]	0.00	102.52	102.52	-%	-	-	-	-	102.52	102.52	-%
Bone/Neph/Inflam/Neuro	[redacted]	51.33	38.95	5.16	10.05%	0.00	-	-	0.00	38.95	-12.38	75.89%
Bone/Neph/Inflam/Neuro	[redacted]	290.00	44.53	44.53	15.35%	-	-	-	-	44.53	-245.47	15.35%
Bone/Neph/Inflam/Neuro	[redacted]	165.40	5.45	2.45	1.48%	0.00	-	-	0.00	5.45	-159.96	3.29%
Bone/Neph/Inflam/Neuro	[redacted]	150.00	12.85	1.02	0.68%	-	-	-	-	12.85	-137.15	8.57%
Bone/Neph/Inflam/Neuro	[redacted]	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	[redacted]	39.00	872.95	362.32	929.02%	-	-	-	-	872.95	833.95	2,238.32%
Bone/Neph/Inflam/Neuro	[redacted]	40.00	23.00	0.22	0.56%	-	-	-	-	23.00	-17.00	57.50%
Bone/Neph/Inflam/Neuro	[redacted]	22.00	22.48	22.48	102.18%	-	-	-	-	22.48	0.48	102.18%
Bone/Neph/Inflam/Neuro	[redacted]	0.00	4.72	4.72	429,470.91%	0.00	-	-	0.00	4.72	4.72	429,472.73%
Bone/Neph/Inflam/Neuro	[redacted]	79.00	-	0.00	0.00%	30.00	30.00	-	-	30.00	-49.00	37.97%
Bone/Neph/Inflam/Neuro	[redacted]	328.62	323.49	269.53	82.02%	0.00	-	-	0.00	323.49	-5.13	98.44%
Bone/Neph/Inflam/Neuro	[redacted]	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	[redacted]	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	[redacted]	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	[redacted]	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	[redacted]	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	[redacted]	300.40	63.41	32.12	10.69%	0.00	-	-	0.00	63.41	-237.00	21.11%
Cardio/Metabolic	[redacted]	0.00	1.79	0.00	-%	-	-	-	-	1.79	1.79	-%
Cardio/Metabolic	[redacted]	1,330.00	1,241.30	379.16	28.51%	-	-	-	-	1,241.30	-88.70	93.33%
Cardio/Metabolic	[redacted]	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	[redacted] 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	[redacted]	56.23	41.81	37.81	67.24%	0.00	-	-	0.00	41.81	-14.42	74.35%
Mature Onc TA	[redacted]	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	[redacted]	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	[redacted]	110.40	-	0.00	0.00%	0.00	-	-	0.00	0.00	-110.40	0.00%
OncTx	[redacted]	2,954.14	1,922.59	960.97	32.53%	440.78	403.00	-	37.78	2,363.37	-590.77	80.00%
OncTx	[redacted]	1,654.67	1,354.34	905.05	54.70%	22.00	-	22.00	0.00	1,376.34	-278.32	83.18%
OncTx	[redacted]	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	[redacted]	881.49	733.24	375.46	42.59%	0.00	-	-	0.00	733.24	-148.25	83.18%
OncTx	[redacted]	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


Building Non-Standard APEX Pages
dimi
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
Release 1.0
Built with ♥ using Oracle APEX

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

```
declare
  l_start_year number(4) := :P2_START_YEAR;
  l_end_year   number(4) := :P2_END_YEAR;
  l_products   varchar2(32767);
begin
  sys.htp.p('<table id="product_cat">');
  sys.htp.p('<thead><tr><th></th>'); -- year
  for r in (select l_start_year+level-1 as year
              from dual
            connect by level <= l_end_year-l_start_year+1
           )
  loop
    sys.htp.p('<th>'|| r.year ||'</th>');
  end loop;
  sys.htp.p('</tr></thead>');
  sys.htp.p('<tbody><tr>');
  for s in (select status, id
              from opts_status
             order by order_nr
           )
  loop
    sys.htp.p('<td><b>'|| s.status ||'</b></td>');
    for r in (select l_start_year+level-1 as year
                from dual
              connect by level <= l_end_year-l_start_year+1
             )
    loop
      select listagg(p.product_name, '<br/>') within group (order by p.product_name)
        into l_products
        from opts_product_status ps, opts_product p
       where ps.product_id = p.id
         and ps.status_id = s.id
         and to_char(ps.start_date, 'YYYY') = to_char(r.year);
      sys.htp.p('<td>'||l_products ||'</td>');
    end loop;
    sys.htp.p('</tr>');
  end loop;
  sys.htp.p('</tbody></table>');
end;
```

```
#product_cat {
    width:100%;
}

#product_cat tbody tr:nth-child(odd) {
  background-color: rgba(4, 179, 224, 0.21);
}

#product_cat tbody tr:nth-child(even) {
  background-color: rgba(4, 179, 224, 0.51);
}

#product_cat td{
  padding: 15px;
}

#product_cat th {
 background-color: #399BEA;
 color: white;
 padding: 15px;
 text-align:center;
}

#product_cat td{
 vertical-align: top;
}
```

#4: apex_item

H-Occupational Performance Profile

Help | Feedback | Nederlands | Dimitri

- Demo
- Studenten
- Mijn Cliënten
- Andere Cliënten
- Administratie
- Mijn Feedback
- Historiek
- Platform

Irina (5 jaar)

Client / Clientsysteem | Hulpvraag | Onderzoek | Handelingsdiagnose | Interventiedoelen | Interventie | Follow up / Nazorg

Bewaren

Gegevens Client

Verwijderen

* Initialen: Irina
* Leeftijd: 5 jaar 2 maand(en)
Burgerlijke stand: - Select -
Godsdienst: katholiek
Foto: Choose File no file selected Download.

* Geslacht: Vrouw
Woonomgeving: Platteland/Countryside
Type woonst: Appartement/Apartment
Opleiding:



Gegevens verwijzers

Gegevens contactpersonen

Gegevens professionele zorg- en hulpverlening

Medische gegevens

Vrijstellingen en tussenkomsten

Copyright APEX R&D & PXL © 2015-2018
release 1.0 Set Screen Reader Mode On

HANDELINGSGEBIEDEN/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 wasse	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

Classic Report: SQL

```
select
    case
        when lvl = 0
        then '<br/><i class="fa fa-caret-right"></i> ' || name
        else lpad('  ',lvl*7,'  ') || name end as name,
    description, class,
    apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s'||id||'"') ||
    case
        when lvl = 0
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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_
        when lvl = 1
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
            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_
        when lvl = 2
        then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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
            ||'<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')
            ||'</span> (<span class="slider-value" name="s'||id||'">'||to_char(nvl(t.svalue,0))||'</span>)<div class="slider" name="s'||id||'"></div>'
    end as quotation
from (
select r.id, c.name || ' (' ||
       (select count(*)
          from opp_dossier_research ri
         where c.id = ri.core_domain_id
           and (ri.restriction_form_id is not null or ri.note is not null)
           and ri.client_id  = :AI_CLIENT_ID
           and ri.dossier_id = :AI_DOSSIER_ID)
       ||')' 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
  from opp_core_domain c, opp_dossier_research r
 where c.id = r.core_domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain d, opp_core_domain c, opp_dossier_research r
 where d.core_domain_id = c.id
   and d.id = r.domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.domain_icf_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is not null
union all
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
  from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.CORE_SETS_ICF_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
```

Classic Report: SQL

```
select
    case
        when lvl = 0
        then '<br/><i class="fa fa-caret-right"></i> ' || name
        else lpad('  ',lvl*7,'  ') || name end as name,
    description, class,
    apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s'||id||'"') ||
    case
        when lvl = 0
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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_
        when lvl = 1
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
            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_
        when lvl = 2
        then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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
            ||'<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')
            ||'</span> (<span class="slider-value" name="s'||id||'">'||to_char(nvl(t.svalue,0))||'</span>)<div class="slider" name="s'||id||'"></div>'
    end as quotation
from (
select r.id, c.name || ' (' ||
       (select count(*)
          from opp_dossier_research ri
         where c.id = ri.core_domain_id
           and (ri.restriction_form_id is not null or ri.note is not null)
           and ri.client_id  = :AI_CLIENT_ID
           and ri.dossier_id = :AI_DOSSIER_ID)
       ||')' 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
  from opp_core_domain c, opp_dossier_research r
 where c.id = r.core_domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain d, opp_core_domain c, opp_dossier_research r
 where d.core_domain_id = c.id
   and d.id = r.domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.domain_icf_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is not null
union all
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
  from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.CORE_SETS_ICF_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
```

Classic Report: SQL

```
select
    case
        when lvl = 0
        then '<br/><i class="fa fa-caret-right"></i> ' || name
        else lpad('  ',lvl*7,'  ') || name end as name,
    description, class,
    apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s'||id||'"') ||
    case
        when lvl = 0
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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_
        when lvl = 1
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
            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_
        when lvl = 2
        then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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
            ||'<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')
            ||'</span> (<span class="slider-value" name="s'||id||'">'||to_char(nvl(t.svalue,0))||'</span>)<div class="slider" name="s'||id||'"></div>'
    end as quotation
from (
select r.id, c.name || ' (' ||
       (select count(*)
          from opp_dossier_research ri
         where c.id = ri.core_domain_id
           and (ri.restriction_form_id is not null or ri.note is not null)
           and ri.client_id  = :AI_CLIENT_ID
           and ri.dossier_id = :AI_DOSSIER_ID)
       ||')' 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
  from opp_core_domain c, opp_dossier_research r
 where c.id = r.core_domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain d, opp_core_domain c, opp_dossier_research r
 where d.core_domain_id = c.id
   and d.id = r.domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.domain_icf_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is not null
union all
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
  from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.CORE_SETS_ICF_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
```

Classic Report: SQL

```
select
    case
        when lvl = 0
        then '<br/><i class="fa fa-caret-right"></i> ' || name
        else lpad('  ',lvl*7,'  ') || name end as name,
    description, class,
    apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s'||id||'"') ||
    case
        when lvl = 0
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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_
        when lvl = 1
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
            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_
        when lvl = 2
        then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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
            ||'<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')
            ||'</span> (<span class="slider-value" name="s'||id||'">'||to_char(nvl(t.svalue,0))||'</span>)<div class="slider" name="s'||id||'"></div>'
    end as quotation
from (
select r.id, c.name || ' (' ||
       (select count(*)
          from opp_dossier_research ri
         where c.id = ri.core_domain_id
           and (ri.restriction_form_id is not null or ri.note is not null)
           and ri.client_id  = :AI_CLIENT_ID
           and ri.dossier_id = :AI_DOSSIER_ID)
       ||')' 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
  from opp_core_domain c, opp_dossier_research r
 where c.id = r.core_domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain d, opp_core_domain c, opp_dossier_research r
 where d.core_domain_id = c.id
   and d.id = r.domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.domain_icf_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is not null
union all
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
  from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.CORE_SETS_ICF_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
```

Classic Report: SQL

```
select
    case
        when lvl = 0
        then '<br/><i class="fa fa-caret-right"></i> ' || name
        else lpad('  ',lvl*7,'  ') || name end as name,
    description, class,
    apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s'||id||'"') ||
    case
        when lvl = 0
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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_
        when lvl = 1
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
            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_
        when lvl = 2
        then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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
            ||'<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')
            ||'</span> (<span class="slider-value" name="s'||id||'">'||to_char(nvl(t.svalue,0))||'</span>)<div class="slider" name="s'||id||'"></div>'
    end as quotation
from (
select r.id, c.name || ' (' ||
       (select count(*)
          from opp_dossier_research ri
         where c.id = ri.core_domain_id
           and (ri.restriction_form_id is not null or ri.note is not null)
           and ri.client_id  = :AI_CLIENT_ID
           and ri.dossier_id = :AI_DOSSIER_ID)
       ||')' 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
  from opp_core_domain c, opp_dossier_research r
 where c.id = r.core_domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain d, opp_core_domain c, opp_dossier_research r
 where d.core_domain_id = c.id
   and d.id = r.domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.domain_icf_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is not null
union all
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
  from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.CORE_SETS_ICF_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
```

Classic Report: SQL

```
select
    case
        when lvl = 0
        then '<br/><i class="fa fa-caret-right"></i> ' || name
        else lpad('  ',lvl*7,'  ') || name end as name,
    description, class,
    apex_item.hidden(1, id) || apex_item.hidden(p_idx => 5, p_value => t.svalue, p_attributes => 'class="s"||id||'"') ||
    case
        when lvl = 0
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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_
        when lvl = 1
        then apex_item.textarea(p_idx => 3,p_value => note,p_rows => 3,p_cols => 75,p_attributes => '') ||
            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_
        when lvl = 2
        then apex_item.textarea(p_idx => 3,p_value => null,p_rows => 3,p_cols => 75,p_attributes => 'style="display:none"') ||
            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
            ||'<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')
            ||'</span> (<span class="slider-value" name="s'||id||'">'||to_char(nvl(t.svalue,0))||'</span>)<div class="slider" name="s'||id||'"></div>'
    end as quotation
from (
select r.id, c.name || ' (' ||
       (select count(*)
          from opp_dossier_research ri
         where c.id = ri.core_domain_id
           and (ri.restriction_form_id is not null or ri.note is not null)
           and ri.client_id  = :AI_CLIENT_ID
           and ri.dossier_id = :AI_DOSSIER_ID)
       ||')' 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
  from opp_core_domain c, opp_dossier_research r
 where c.id = r.core_domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain d, opp_core_domain c, opp_dossier_research r
 where d.core_domain_id = c.id
   and d.id = r.domain_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is null
   and r.core_sets_icf_id is null
union all
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
  from opp_domain_icf di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.domain_icf_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
   and r.core_domain_id is not null
   and r.domain_id is not null
   and r.domain_icf_id is not null
union all
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
  from OPP_CORE_SETS_ICF di, opp_icf i, opp_domain d, opp_core_domain c, opp_dossier_research r
 where di.icf_id = i.id
   and d.core_domain_id = c.id
   and di.domain_id = d.id
   and di.id = r.CORE_SETS_ICF_id
   and r.client_id  = :AI_CLIENT_ID
   and r.dossier_id = :AI_DOSSIER_ID
```

JavaScript

```javascript
$('span.core-domain').parent().parent().addClass('core-domain');
$('span.domain').parent().parent().addClass('domain');
$('span.icf').parent().parent().addClass('icf');

$('tr.domain').click(function() {
    $(this).children('td[headers="QUOTATION"]').toggle();
    $(this).nextUntil('tr.domain','tr.icf').toggle();
});

$('tr.domain td :input').click(function(e){
   e.stopPropagation();
});

Complexity is 3 Everything is cool!
$('tr.core-domain').click(function() {
    $(this).toggleClass("selected");
    if ($(this).hasClass('selected')) {
      $(this).nextUntil('tr.core-domain').hide();
      $(this).find('i.fa').switchClass('fa-caret-down','fa-caret-right', 10, 'linear');
    } else {
      $(this).nextUntil('tr.core-domain').show();
      $(this).find('i.fa').switchClass('fa-caret-right','fa-caret-down', 10, 'linear');
    }
});

$('tr.core-domain').trigger('click');

// slider
$(".slider").slider({
            value:0,
            min: 0,
            max: 100,
            step: 2,
Complexity is 16 You must be kidding
            slide: function( event, ui ) {
                //console.log($(this));
                var sliderName = $(this).attr("name");
                //console.log(sliderName);
                $( ".slider-value[name='"+sliderName+"']" ).html( ui.value );
                $( "input:hidden[class='"+sliderName+"']" ).val( ui.value );
                if(ui.value>0 && ui.value <= 20){
                   $( "select[class='"+sliderName+"']" ).val('1');
                   $( ".slider-desc[name='"+sliderName+"']" ).html( 'Groen: geen beperking: 0-4%');
                } else if (ui.value >= 21 && ui.value <= 40){
                   $( "select[class='"+sliderName+"']" ).val('2');
                   $( ".slider-desc[name='"+sliderName+"']" ).html( 'Oranje: lichte beperking: 5-24%');
                } else if (ui.value >= 41 && ui.value <= 60){
                   $( "select[class='"+sliderName+"']" ).val('3');
                   $( ".slider-desc[name='"+sliderName+"']" ).html( 'Oranje: matige beperking : 25-49%');
                } else if (ui.value >= 61 && ui.value <= 80){
                   $( "select[class='"+sliderName+"']" ).val('4');
                   $( ".slider-desc[name='"+sliderName+"']" ).html( 'Rood: ernstige beperking: 50-95%');
                } else if (ui.value >= 81 && ui.value <= 100){
                   $( "select[class='"+sliderName+"']" ).val('5');
                   $( ".slider-desc[name='"+sliderName+"']" ).html( 'Rood: volledige beperking: 96-100%');
                } else {
                   $( "select[class='"+sliderName+"']" ).val('');
                   $( ".slider-desc[name='"+sliderName+"']" ).html( 'Niet van toepassing');
                }

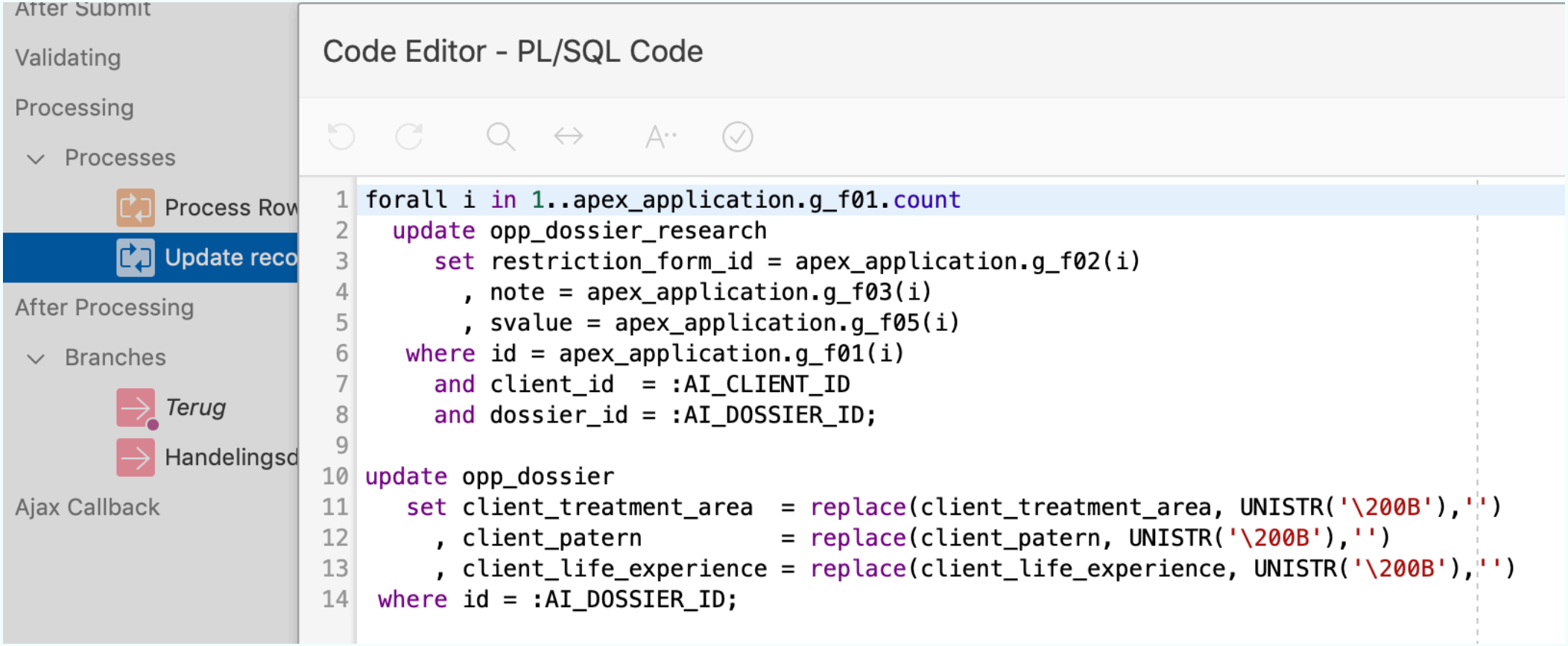
            }
});

$('.ui-widget-content').css('background','linear-gradient(to right, green 20%, orange 20%, orange 60%, red 60%, red 100%)');

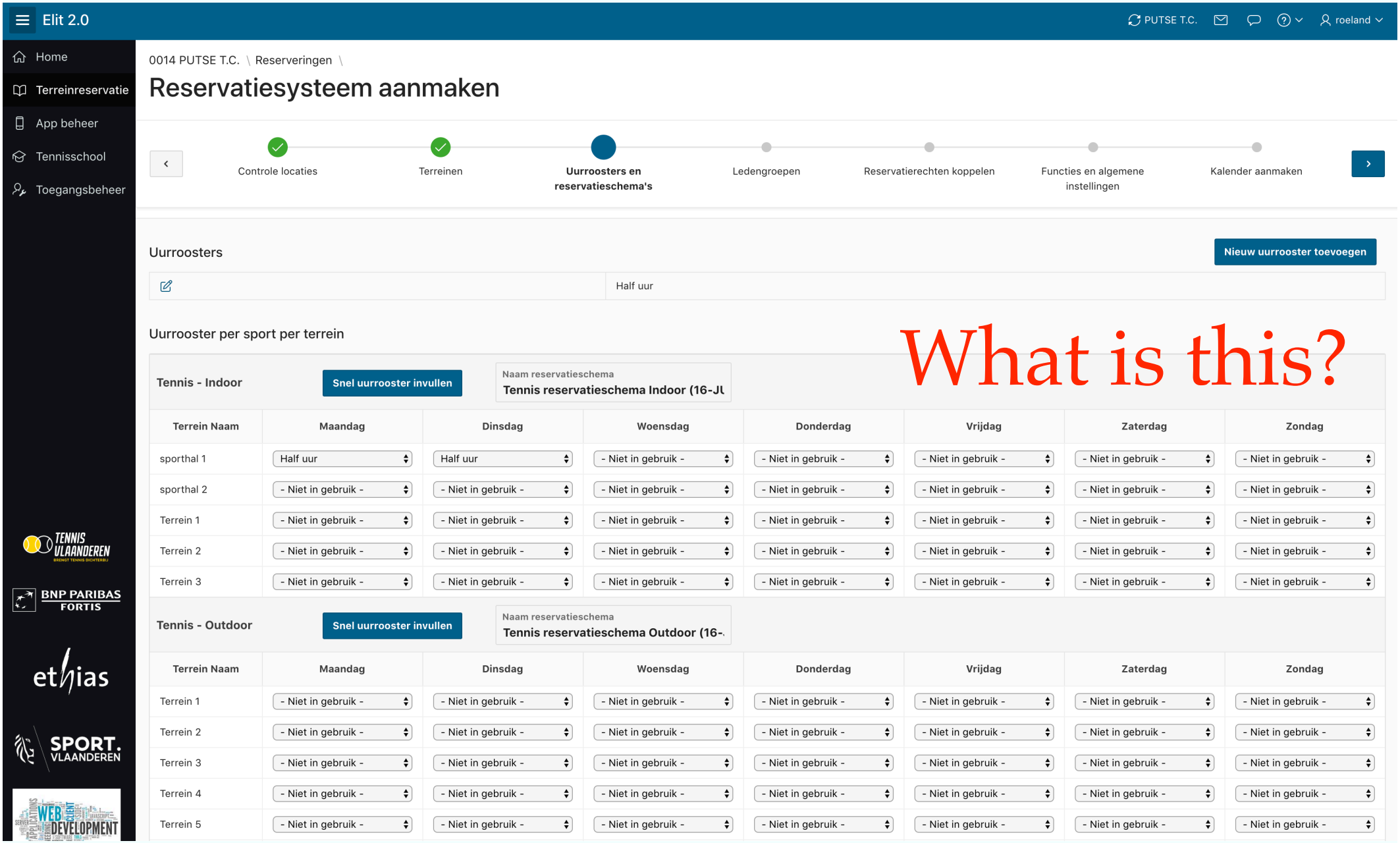
$('.slider-value').each(function(){
    var sliderValue = $(this).html();
    $('.slider[name="'+$(this).attr("name")+'"]').slider('value', sliderValue);
});
```

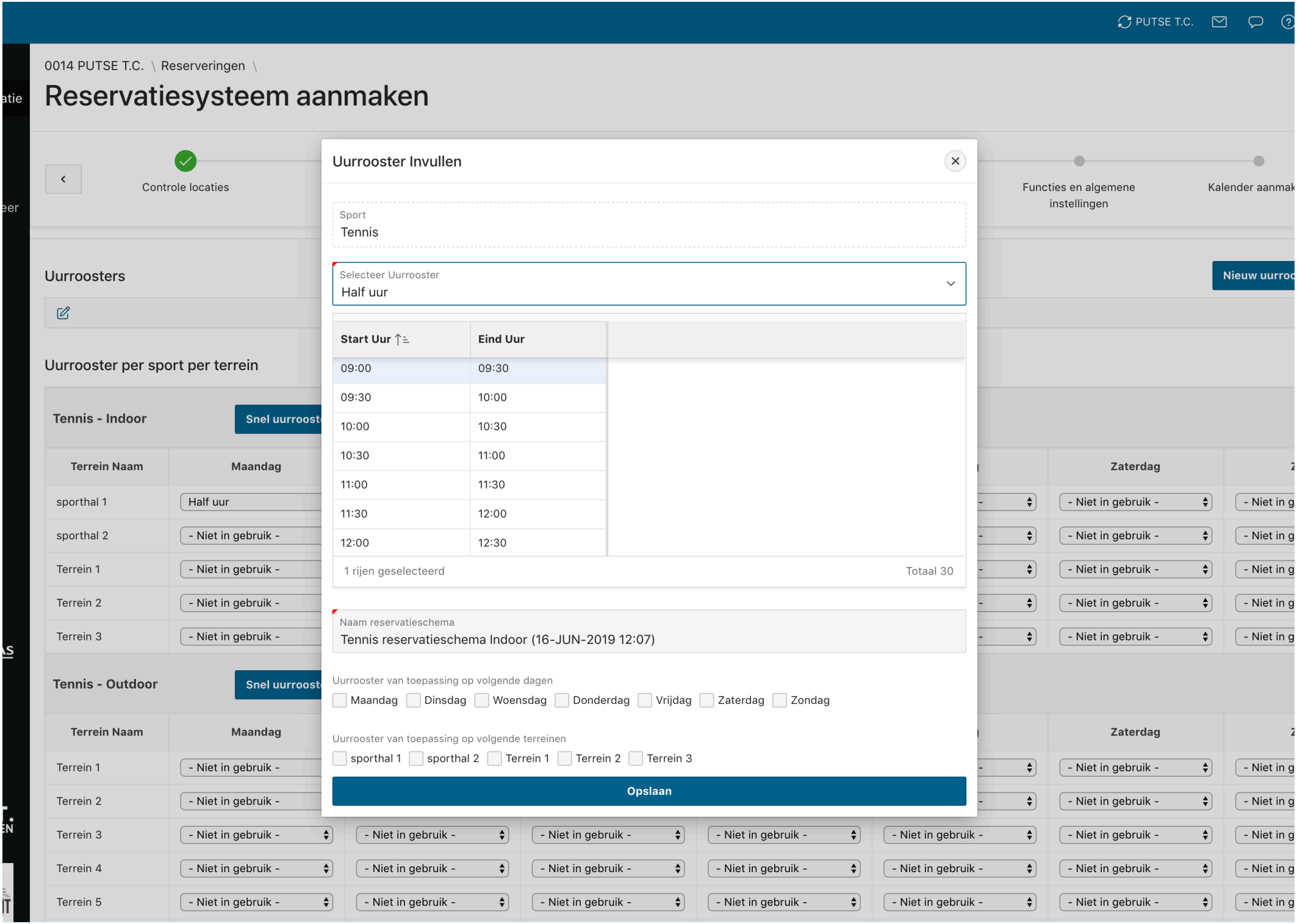
CSS

```css
#structure_browser > table > table.t-Report-report {
  width:950px
}
div.slider { margin-top: 4px; width: 400px; }
body .ui-state-default, body .ui-widget-content .ui-sta
body .ui-widget-header .ui-state-default { background-c
select[name="f02"] { display: none; }
span.core-domain {
  font-size: 10pt;
  color: rgb(22, 143, 31);
}
span.domain {
}
span.icf{
   color: #666;
}
span.core-domain:hover {
  cursor:help;
}
div#files_dropzone.dropzone.dz-clickable {
 border: 3px dashed #CCCCCC !important;
}
```


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;

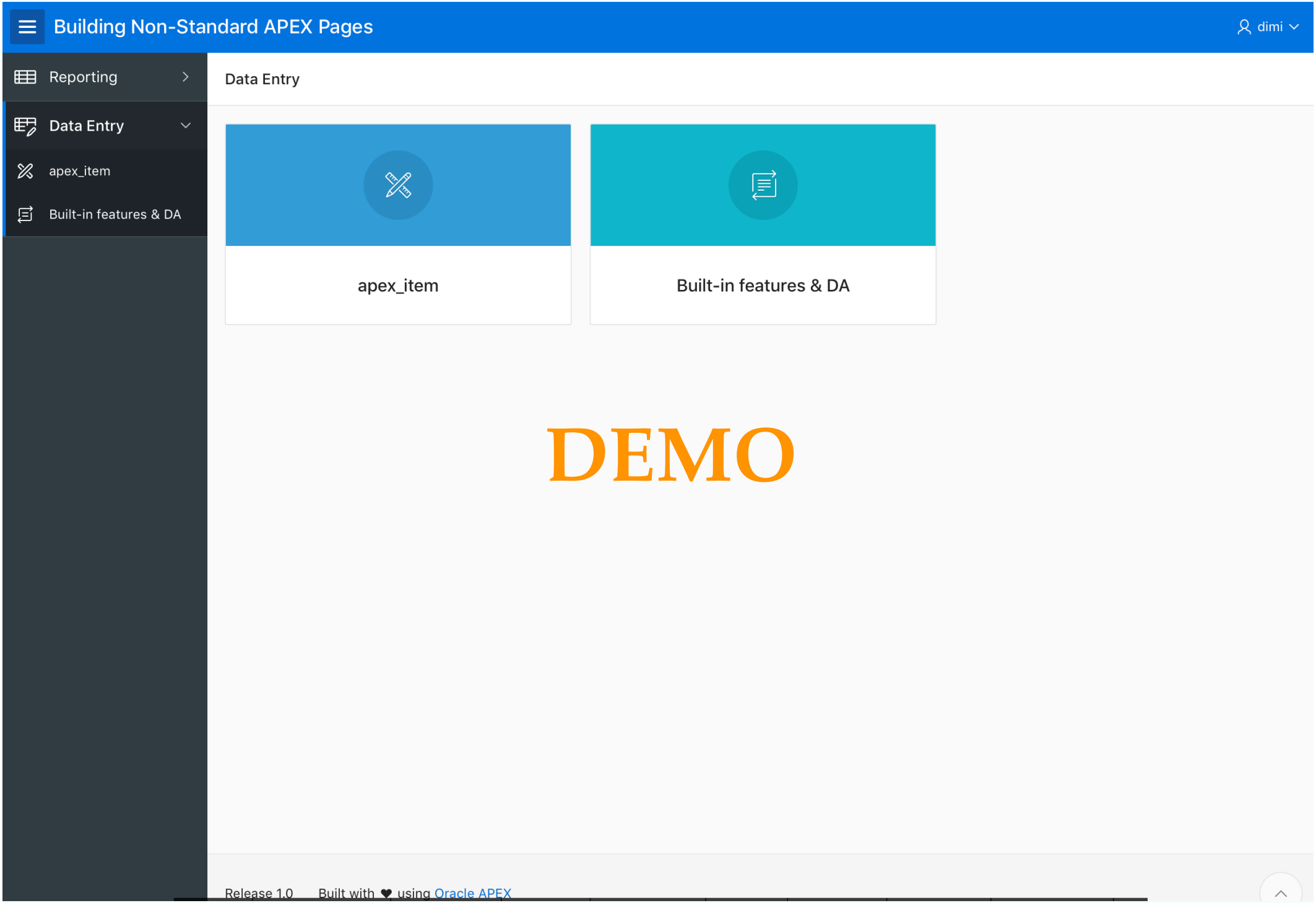
#5: Built-in features & DA


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Reservatiesysteem aanmaken
Controle locaties
Terreinen
Uurroosters en reservatieschema's
Ledengroepen
Reservatierechten koppelen
Functies en algemene instellingen
Kalender aanmaken
Uurroosters
Nieuw uurrooster toevoegen
Half uur
Uurrooster per sport per terrein
What is this?
Tennis - Indoor
Snel uurrooster invullen
Naam reservatieschema
Tennis reservatieschema Indoor (16-Jl
Terrein Naam
Maandag
Dinsdag
Woensdag
Donderdag
Vrijdag
Zaterdag
Zondag
sporthal 1
sporthal 2
Terrein 1
Terrein 2
Terrein 3
Half uur
- Niet in gebruik -
Tennis - Outdoor
Snel uurrooster invullen
Naam reservatieschema
Tennis reservatieschema Outdoor (16-
Terrein 1
Terrein 2
Terrein 3
Terrein 4
Terrein 5
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SPORT. VLAANDEREN
WEB DEVELOPMENT

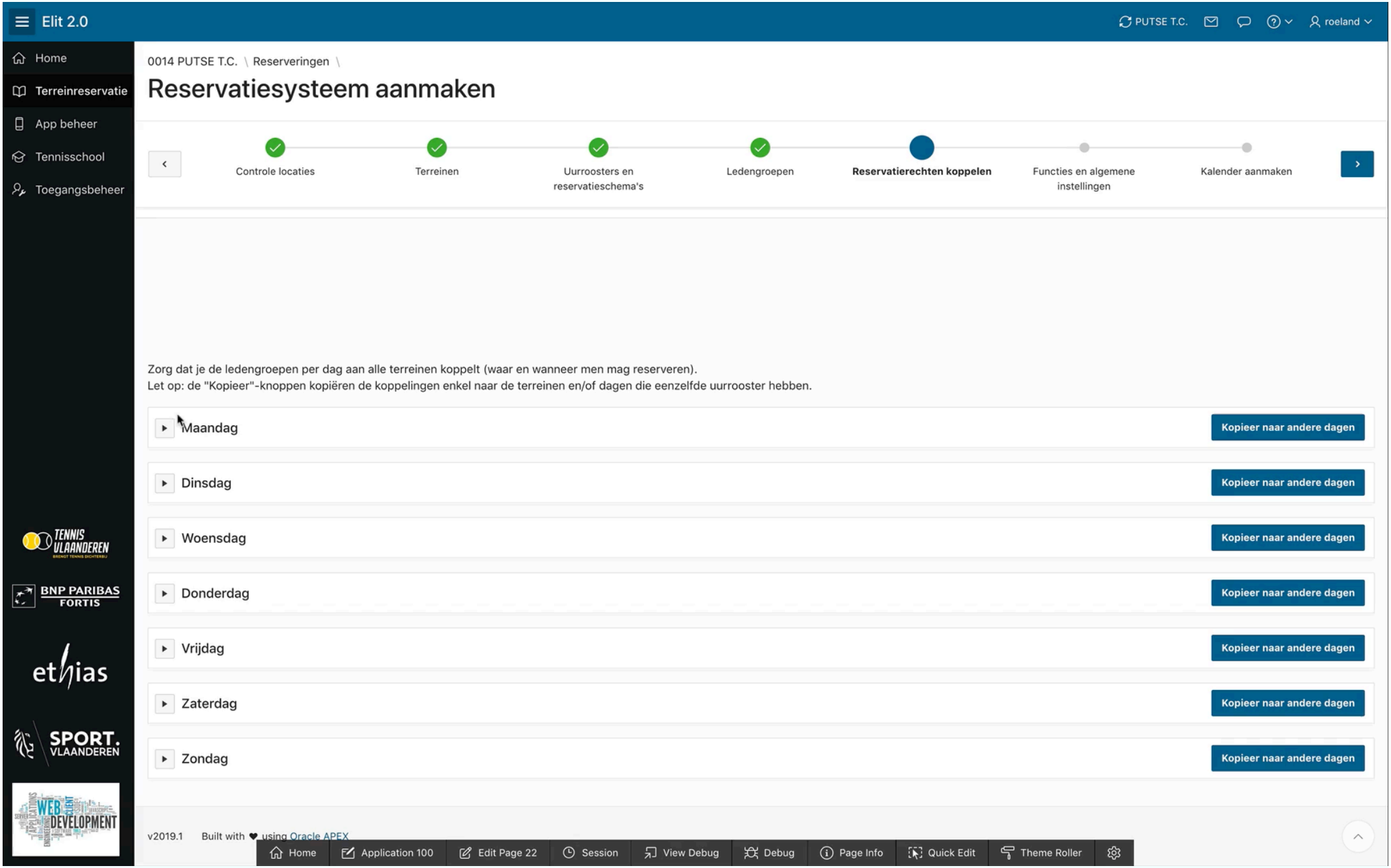

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Reservatiesysteem aanmaken
Controle locaties
Functies en algemene instellingen
Kalender aanmak
Uurroosters
Nieuw uurroo
Uurrooster per sport per terrein
Tennis - Indoor
Snel uurroost
Terrein Naam
Maandag
Zaterdag
sporthal 1
Half uur
sporthal 2
- Niet in gebruik -
Terrein 1
Terrein 2
Terrein 3
Tennis - Outdoor
Terrein 4
Terrein 5
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

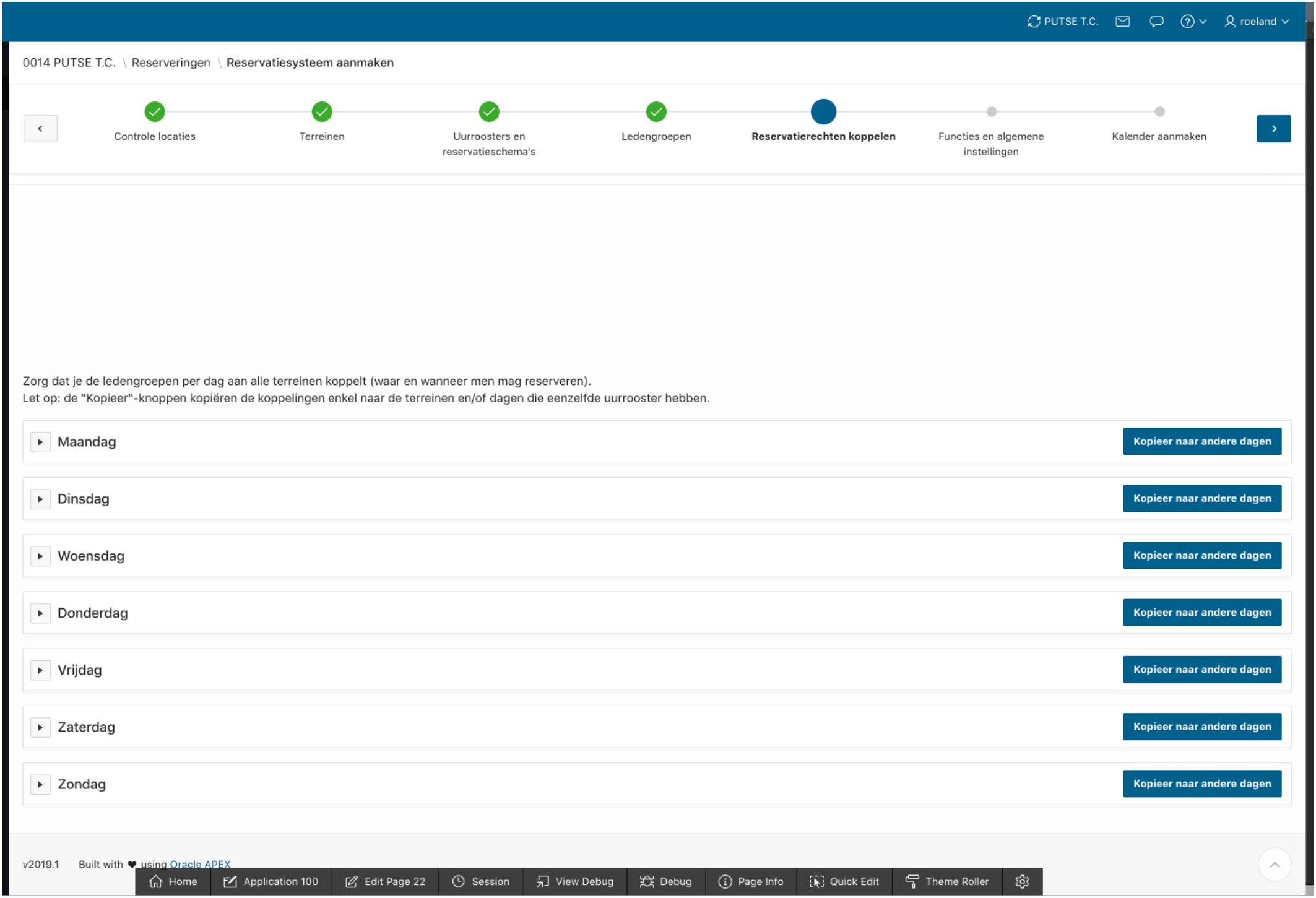
Interactive Report + APEX_ITEM + DA

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


Building Non-Standard APEX Pages
dimi
Reporting
Data Entry
apex_item
Built-in features & DA
Data Entry
apex_item
Built-in features & DA
DEMO
Release 1.0
Built with ❤ using Oracle APEX

#6: AJAX


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Terreinen
Uurroosters en reservatieschema's
Ledengroepen
Reservatierechten koppelen
Functies 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
TENNIS VLAANDEREN
BNP PARIBAS FORTIS
ethias
SPORT. VLAANDEREN
v2019.1
Built with ♥ using Oracle APEX
Home
Application 100
Edit Page 22
Session
View Debug
Debug
Page Info
Quick Edit
Theme Roller

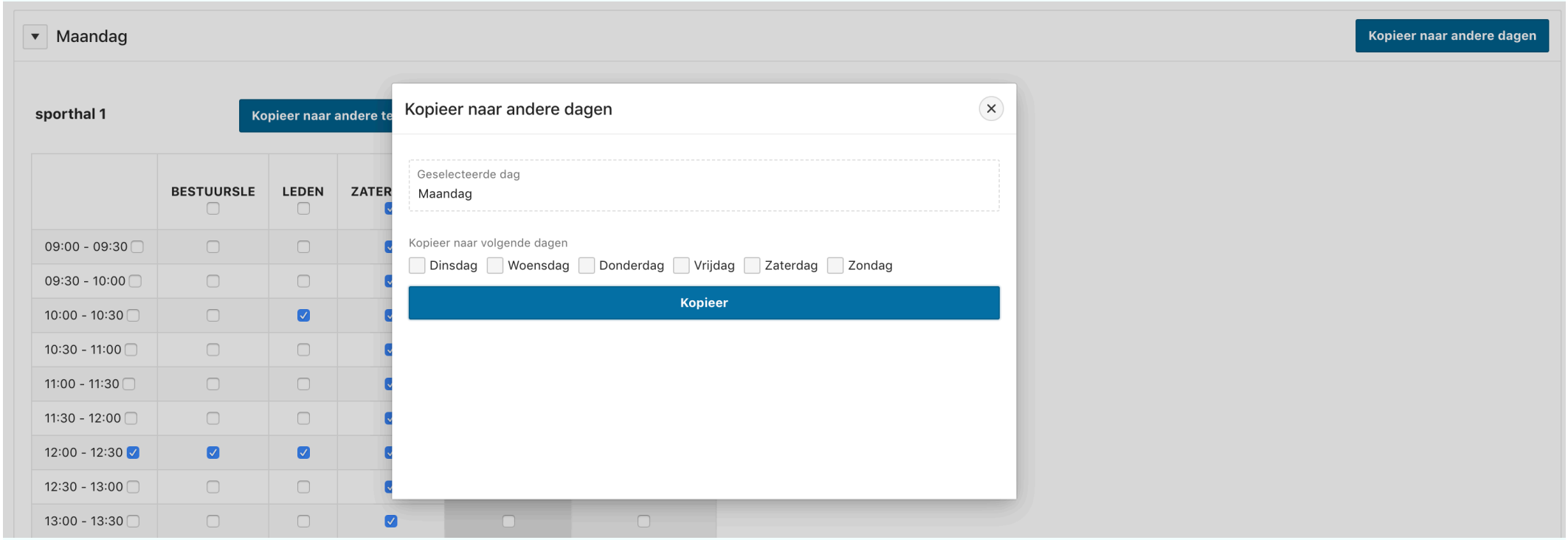

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Controle locaties
Terreinen
Uurroosters en reservatieschema's
Ledengroepen
Reservatierechten koppelen
Functies en algemene instellingen
Kalender aanmaken
Zorg dat je de ledengroepen per dag aan alle terreinen koppelt (waar en wanneer men mag reserveren).
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
v2019.1
Built with ♥ using Oracle APEX
Home
Application 100
Edit Page 22
Session
View Debug
Debug
Page Info
Quick Edit
Theme Roller

Maandag

sporthal 1

Kopieer naar andere terreinen

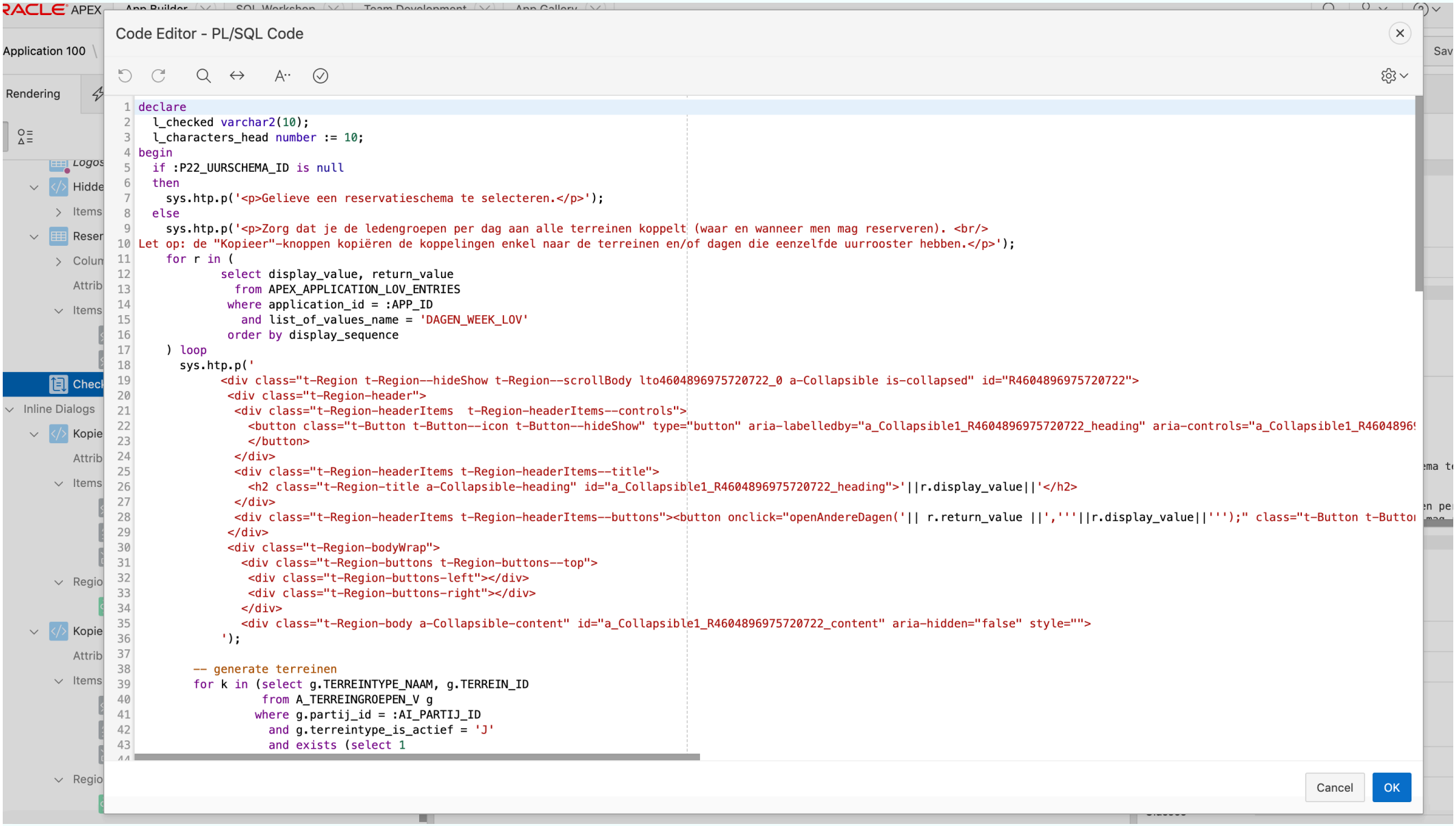
	BESTUURSLE	LEDEN	ZATERDAG V	Enkel reservatie op de club	Reserveren met andere ledengroep
09:00 - 09:30	☐	☐	☑	☐	☐
09:30 - 10:00	☐	☐	☑	☐	☐
10:00 - 10:30	☐	☑	☑	☐	☐
10:30 - 11:00	☐	☐	☑	☐	☐
11:00 - 11:30	☐	☐	☑	☑	☑
11:30 - 12:00	☐	☐	☑	☐	☐
12:00 - 12:30	☑	☑	☑	☑	☑
12:30 - 13:00	☐	☐	☑	☐	☐
13:00 - 13:30	☐	☐	☑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


Maandag
Kopieer naar andere dagen
sporthal 1
Kopieer naar andere te
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




```plsql
declare
  l_checked varchar2(10);
  l_characters_head number := 10;
begin
  if :P22_UURSCHEMA_ID is null
  then
    sys.htp.p('<p>Gelieve een reservatieschema te selecteren.</p>');
  else
    sys.htp.p('<p>Zorg dat je de ledengroepen per dag aan alle terreinen koppelt (waar en wanneer men mag reserveren). <br/>
Let op: de "Kopieer"-knoppen kopiëren de koppelingen enkel naar de terreinen en/of dagen die eenzelfde uurrooster hebben.</p>');
    for r in (
           select display_value, return_value
             from APEX_APPLICATION_LOV_ENTRIES
            where application_id = :APP_ID
              and list_of_values_name = 'DAGEN_WEEK_LOV'
            order by display_sequence
    ) loop
      sys.htp.p('
           <div class="t-Region t-Region--hideShow t-Region--scrollBody lto4604896975720722_0 a-Collapsible is-collapsed" id="R4604896975720722">
            <div class="t-Region-header">
             <div class="t-Region-headerItems  t-Region-headerItems--controls">
               <button class="t-Button t-Button--icon t-Button--hideShow" type="button" aria-labelledby="a_Collapsible1_R4604896975720722_heading" aria-controls="a_Collapsible1_R4604896
               </button>
             </div>
             <div class="t-Region-headerItems t-Region-headerItems--title">
               <h2 class="t-Region-title a-Collapsible-heading" id="a_Collapsible1_R4604896975720722_heading">'||r.display_value||'</h2>
             </div>
             <div class="t-Region-headerItems t-Region-headerItems--buttons"><button onclick="openAndereDagen('|| r.return_value ||','''||r.display_value||''');" class="t-Button t-Butto
            </div>
            <div class="t-Region-bodyWrap">
              <div class="t-Region-buttons t-Region-buttons--top">
               <div class="t-Region-buttons-left"></div>
               <div class="t-Region-buttons-right"></div>
              </div>
              <div class="t-Region-body a-Collapsible-content" id="a_Collapsible1_R4604896975720722_content" aria-hidden="false" style="">
      ');

      -- generate terreinen
      for k in (select g.TERREINTYPE_NAAM, g.TERREIN_ID
                  from A_TERREINGROEPEN_V g
                 where g.partij_id = :AI_PARTIJ_ID
                   and g.terreintype_is_actief = 'J'
                   and exists (select 1
```

DA: change input:checkbox

```
var selection = this.triggeringElement.dataset.selection;
var overrideSelection = this.triggeringElement.dataset.overrideSelection;
var terreinId=this.triggeringElement.dataset.terreinid;
var c=$(this.triggeringElement).attr("name");
var arr=[];
if (selection === "all") {
  var selectionChecked = $(this.triggeringElement).prop('checked');
  $('#tr_'+terreinId+' .'+c).prop('checked', function (i, value) {
    var items = {};
    items.terreinschemaid = $(this).data("terreinschemaid");
    items.ledengroepid = $(this).data("ledengroepid");
    items.checked = (!$(this).data("ledengroepid") && !overrideSelection ? value : selectionChecked) ? "Y" : "N"
    arr.push(items);
    if(!$(this).data("ledengroepid") && !overrideSelection){
        return value;
    }
    return selectionChecked;
  });
} else {
    var items = {};
    items.terreinschemaid = $(this.triggeringElement).data("terreinschemaid");
    items.ledengroepid = $(this.triggeringElement).data("ledengroepid");
    if ($(this.triggeringElement).prop('checked')) { items.checked = "Y"; } else { items.checked = "N"; }
    arr.push(items);
}
//Send the changes to the server via Ajax
apex.server.process('UPDATE_RSV_TERREINSCHEMA_LEDENGROEP', {
  p_clob_01: JSON.stringify(arr)
},{
  success: function(data) {
    console.log("data", data);
  },dataType : "text"
});
```

```
declare
   l_json_clob   clob;
   l_json_values apex_json.t_values;
   l_count       pls_integer;
   l_rec         RSV_TERREINSCHEMA_LEDENGROEP%rowtype;
   l_checked     varchar2(1);
begin
   l_json_clob := apex_application.g_clob_01;

   apex_json.parse(p_values => l_json_values, p_source => l_json_clob);

   --Get a count of the products that were passed in
   l_count := apex_json.get_count(p_path   => '.', p_values => l_json_values);

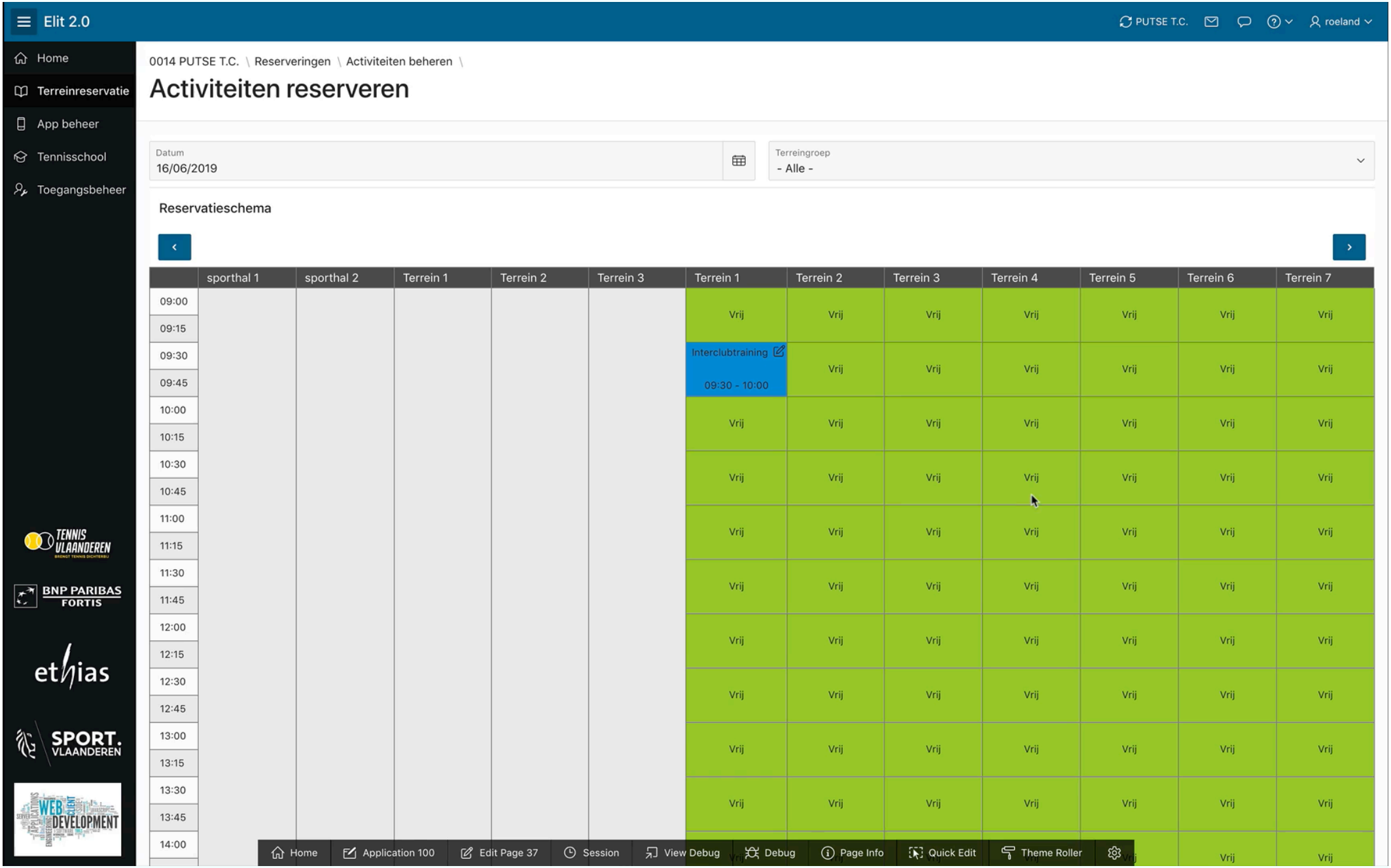
   for idx in 1 .. l_count
   loop
      --Get the values from each element in the array
      l_rec.terreinschema_id := apex_json.get_number(
         p_path   => '[%d].terreinschemaid',
         p0       => idx,
         p_values => l_json_values
      );

      l_checked := apex_json.get_varchar2(
         p_path   => '[%d].checked',
         p0       => idx,
         p_values => l_json_values
      );

      --Issue the SQL statement to update the data
      if l_checked = 'Y'
      then
        apex_debug.message(p_message => 'insert record (terreinschema_id, ledengroep_id) = ' || l_rec.terreinschema_id || ',' || l_rec.ledengroep_id);
      end if;
   end loop;

   --Write some JSON out for the response
   apex_json.open_object();
   apex_json.write('status', 'success');
   apex_json.close_object();
end;
```




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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
09:15
09:30
09:45
10:00
10:15
10:30
10:45
11:00
11:15
11:30
11:45
12:00
12:15
12:30
12:45
13:00
13:15
13:30
13:45
14:00
Vrij
Interclubtraining
09:30 - 10:00
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SPORT. VLAANDEREN
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Home
Application 100
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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

Recap

- # 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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