



Of course, you can do
that with APEX!

Report Templates;
the definitive guide

Jorge Rimblas



ORACLE
ACE

insum

Jorge Rimblas

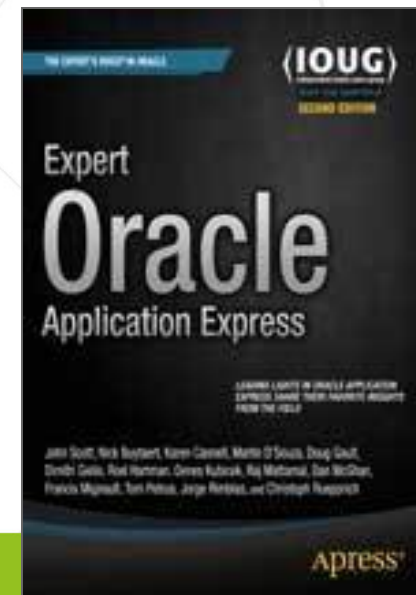


Senior APEX Consultant

@rimblas

rimblas.com/blog

- Contributor to "Expert Oracle Application Express, 2nd Edition" with "Themes & Templates" chapter
- Oracle DB since 1995
- APEX since it was HTMLDB in 2004
- Always involved in web technologies
- jrimblas in OTN Forums



Custom
Development,
Cloud, Forms
Modernization,
EBS Extensions

Consulting,
Coaching, and
Team
Augmentation

Maintenance and
Enhancement
Service for apps
built with APEX

Committed to
APEX Innovation &
Best Practices

Internationally
recognized staff
that includes
Oracle ACEs

ORACLE Gold
Partner

500

Technology **Fast 500**
2017 CANADA **WINNER**
Deloitte.



Goals

Be comfortable
enhancing report
layouts



Agenda

- Patterns
- Classic Reports
- Classic Reports: Custom Named Templates
- Interactive Reports
- Interactive Grids
- Single Line Alert & Messages


Patterns For Presenting Data



Tables

Table tags: table, tr, td

```
<table>
<tr>
  <td class="t-Report-cell" #ALIGNMENT# headers="#COLUMN_HEADER_NAME#"
    #COLUMN_VALUE#
  </td>
</tr>
</table>
```

| ID  | Product | Description |
|--|----------|---|
| 1 | | cotton business shirt 1 |
| 2 | Trousers | Black trousers suitable for every business man |
| 3 | Jacket | Fully lined jacket which is both professional and extremely comfortable |

ourcesNetworkTimelineProfilesResourcesSecurityAudits

><tr>...</tr>

><tr>

><td class="t-Report-cell" headers="PRODUCT_ID">2</td>

><td class="t-Report-cell" headers="PRODUCT_NAME">Trousers</td> == \$0

><td class="t-Report-cell" headers="PRODUCT_DESCRIPTION">Black trousers suitable

><td class="t-Report-cell" headers="CATEGORY">Mens</td>

><td class="t-Report-cell" align="center" headers="PRODUCT_AVAIL">Y</td>

><td class="t-Report-cell" align="right" headers="LIST_PRICE">\$80.00</td>

></tr>

><tr>...</tr>

><tr>...</tr>

Lists

List tags: ul, li

List Structure

```
<ul>
  <li>Orange Juice <i class="fa fa-check-square-o"></i></li>
  <li>Milk <i class="fa fa-check-square-o"></i></li>
  <li>Eggs <i class="fa fa-square-o"></i></li>
  <li>Bread <i class="fa fa-square-o"></i></li>
  <li>Cornflakes <i class="fa fa-square-o"></i></li>
</ul>
```

```
<ul>
```

Before Rows

For Each Row →

```
<li>#COLUMN_VALUE#</li>
```

```
</ul>
```

After Rows







Examples

Classic Reports



Mens:

ASICS

Running





| | | | | |
|--------------|---|---|----------|---|
| Out of stock | | | | |
| 2390 |  | Gel Nimbus After 18 years of innovation, the Nimbus® series continues as one of ASICS' most recognized high performing footwear. Get the substitute → | \$150.00 |  ADD TO CART |
| New Arrival! | | | | |
| 9001 |  | Fuzex ASICS newest GEL cushioning technology made from the fusion of GEL property and foam creates lightweight adaptable comfort - | \$110.96 |  ADD TO CART |

Training



| | | | | |
|------|---|---|---------|---|
| 9075 |  | Gel-Fortius 2 TR Strategically positioned in critical areas of the outsole, this exceptionally durable compound is 50% more durable than standard ASICS High Abrasion Rubber. - | \$95.00 |  ADD TO CART |
|------|---|---|---------|---|

NEW BALANCE

Lifestyle

| | | | | |
|--------------|---|---|---------|---|
| LF574 |  | 574 Sweatshirt Inspired by your favorite hoodie - | \$69.99 |  ADD TO CART |
| New Arrival! | | | | |
| MVL530 |  | 530 Vazee Fresh for 2016, our 530 Vazee for men combines a classic upper with a sleek performance base, creating a modern look and feel that's perfect for everyday wear. - | \$99.99 |  ADD TO CART |

Running

| | | | | |
|--------|---|---|---------|---|
| 102374 |  | Vazee Prism Find the extra push you need to stay focused on your goals in the Vazee Prism men's running shoe. - | \$99.99 |  ADD TO CART |
|--------|---|---|---------|---|

Classic Reports

Generic Columns



Named Columns




Generic Columns

Every column looks the same

```
<td>  
  #COLUMN_VALUE#  
</td>
```

Every column looks the same

```
<td class="t-Report-cell" #ALIGNMENT# headers="#COLUMN_HEADER_NAME#">
  #COLUMN_VALUE#
</td>
```

| ID  | Product | Description |
|--|-------------------------|---|
| 1 | cotton business shirt 1 | |
| 2 | Trousers | Black trousers suitable for every business man |
| 3 | Jacket | Fully lined jacket which is both professional and extremely comfortable |

ourcesNetworkTimelineProfilesResourcesSecurityAudits

><tr>...</tr>

><tr>

<td class="t-Report-cell" headers="PRODUCT_ID">2</td>

<td class="t-Report-cell" headers="PRODUCT_NAME">Trousers</td> == \$0

<td class="t-Report-cell" headers="PRODUCT_DESCRIPTION">Black trousers suitable

<td class="t-Report-cell" headers="CATEGORY">Mens</td>

<td class="t-Report-cell" align="center" headers="PRODUCT_AVAIL">Y</td>


<td class="t-Report-cell" align="right" headers="LIST_PRICE">\$80.00</td>

</tr>

><tr>...</tr>

><tr>...</tr>

Using conditions

| ID  | Product | Description | Category | Avail? | Price |
|--|----------------|---|-------------|--------|----------|
| 1 | Business Shirt | Wrinkle-free cotton business shirt 1 | Mens | Y | \$50.00 |
| 2 | Trousers | Black trousers suitable for every business man | Mens | Y | \$80.00 |
| 3 | Jacket | Fully lined jacket which is both professional and extremely comfortable to wear | Mens | Y | \$150.00 |
| 4 | Blouse | Silk blouse ideal for all business women | Womens | Y | \$60.00 |
| 5 | Skirt | Wrinkle free skirt | Womens | N | \$80.00 |
| 6 | Ladies Shoes | Low heel and cushioned interior for comfort and style in simple yet elegant shoes | Womens | Y | \$120.00 |
| 7 | Belt | Leather belt 1 | Accessories | Y | \$30.00 |
| 8 | Bag | Unisex bag suitable for carrying laptops with room for many additional items | Accessories | Y | \$125.00 |
| 9 | Mens Shoes | Leather upper and lower lace up shoes | Mens | N | \$110.00 |
| 10 | Wallet | Travel wallet suitable for men and women. Several compartments for credit cards, passports and cash | Accessories | Y | \$50.00 |

[Download](#)

Column Templates

- **Four** Column Templates
- Condition for each template
- Condition types: even or odd rows, PL/SQL Expression

Column Templates


Column Template 1 ?

↶ ↷ 🔍 ↔ A·

1 <td class="t-Report-cell" #ALIGNMENT# headers="#COLUMN_HEADER_NAME#">#COLUMN_VALUE#</td>

Column Template 1 Condition ?

✓ - Select Condition -
Use Based on PL/SQL Expression
Use for Even Numbered Rows
Use for Odd Numbered Rows

| ID  | Product | Description | Category | Avail? | Price |
|--|----------------|---|-------------|--------|----------|
| 1 | Business Shirt | Wrinkle-free cotton business shirt 1 | Mens | Y | \$50.00 |
| 2 | Trousers | Black trousers suitable for every business man | Mens | Y | \$80.00 |
| 3 | Jacket | Fully lined jacket which is both professional and extremely comfortable to wear | Mens | Y | \$150.00 |
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| 5 | Skirt | Wrinkle free skirt | Womens | N | \$80.00 |
| 6 | Ladies Shoes | Low heel and cushioned interior for comfort and style in simple yet elegant shoes | Womens | Y | \$120.00 |
| 7 | Belt | Leather belt 1 | Accessories | Y | \$30.00 |
| 8 | Bag | Unisex bag suitable for carrying laptops with room for many additional items | Accessories | Y | \$125.00 |
| 9 | Mens Shoes | Leather upper and lower lace up shoes | Mens | N | \$110.00 |
| 10 | Wallet | Travel wallet suitable for men and women. Several compartments for credit cards, passports and cash | Accessories | Y | \$50.00 |
| Download | | | | | |
| 1 - 10 | | | | | |

Step by step details

rimblas.com/blog/2014/05/using-conditions-with-column-templates/

Named Columns

SQL

```
select PRODUCT_ID  
      , PRODUCT_NAME  
      , PRODUCT_DESCRIPTION  
      , CATEGORY  
      , PRODUCT_AVAIL  
      , LIST_PRICE  
from PRODUCTS
```

Named Columns

```
#PRODUCT_ID#  
#PRODUCT_NAME#  
#PRODUCT_DESCRIPTION#  
#CATEGORY#  
#PRODUCT_AVAIL#  
#LIST_PRICE#
```

Generic Columns

```
#COLUMN_VALUE#
```

Positional Columns

SQL

```
select PRODUCT_ID  
       , PRODUCT_NAME  
       , PRODUCT_DESCRIPTION  
       , CATEGORY  
       , PRODUCT_AVAIL  
       , LIST_PRICE  
from PRODUCTS
```

Named Columns

```
#1#  
#2#  
#3#  
#4#  
#5#  
#6#
```

Simple List

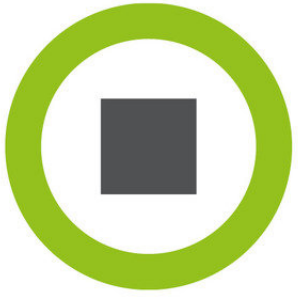
```
<li>#TODO# <i class="fa fa-#CHECKED#square-o"></i></li>
```

```
select id
, todo
, decode(completed_by
, null, ''
, 'check' || '-') checked
, completed_by
, completed_on
from app_todos
```

To Do v1

- Orange Juice ☒
- Milk ☒
- Eggs
- Bread
- Cornflakes

Demo p220



Benefits

- Standard Classic Report Functionality
 - Edit Links
 - Dynamic Actions
 - Dialog Close
 - Refresh

Named Columns

Mixing Layouts



Contacts

 **Schrute, Dwight** - Main 

| | |
|----------|--|
| Main | 800 555-1212 |
| Main | dschrute@dm.us |
| Personal | TheSilentNinja@SchruteFarms.com |







 **Scott, Michael** - Boss 

| | |
|----------|--|
| Direct | 800 555-1212 |
| Personal | 952 555-1212 |
| Direct | michael.scott@dm.us |

 **Halpert, James D.** - Accounts 

| | |
|------|--------------|
| Main | 800 555-1212 |
|------|--------------|

Contact List

| | |
|---|---|
| Contacts | |
|  Schrute, Dwight - Main  | |
| Main | 800 555-1212 |
| Main | dschrute@dm.us |
| Personal | TheSilentNinja@SchruteFarms.com |
|  Scott, Michael - Boss  | |
| Direct | 800 555-1212 |
| Personal | 952 555-1212 |
| Direct | michael.scott@dm.us |
|  Halpert, James D. - Accounts  | |
| Main | 800 555-1212 |

```

<tr>
  <td colspan="2">
    <a href="#LINK#">&EDIT_BUTTON.</a>
    #PARTY_NAME# - #ROLE# <i class="fa"></i>
  </td>
</tr>

```

```

<tr>
  <td align="right">#TYPE_NAME#</td>
  <td>#ENTRY#</td>
</tr>

```

Two types of rows

```
select party_id
      , party_name
      , role
      , type_name
      , entry
      , active_ind
from parties
```

```
<tr>
  <td colspan="2">
    <a href="#LINK#">&EDIT_BUTTON.</a>
    #PARTY_NAME# - #ROLE# <i class="fa"></i>
  </td>
</tr>
```

```
<tr>
  <td align="right">#TYPE_NAME#</td>
  <td>#ENTRY#</td>
</tr>
```

| PARTY_ID | PARTY_NAME | ROLE | TYPE_NAME | ENTRY | ACTIVE_IND |
|----------|-------------------|----------|-----------|---------------------------------|------------|
| 21 | Schrute, Dwight | Main | Main | 800 555-1212 | Y |
| 21 | Schrute, Dwight | Main | Personal | TheSilentNinja@SchruteFarms.com | Y |
| 21 | Schrute, Dwight | Main | Main | dschrute@dm.us | Y |
| 1 | Scott, Michael | Boss | Personal | 952 555-1212 | Y |
| 1 | Scott, Michael | Boss | Direct | michael.scott@dm.us | Y |
| 1 | Scott, Michael | Boss | Direct | 800 555-1212 | Y |
| 41 | Halpert, James D. | Accounts | Main | 800 555-1212 | N |

7 rows selected.

Special Case

```
select party_id
      , party_name
      , role
      , type_name
      , entry
      , active_ind
from parties
where party_id = 41 ●
```

```
<tr>
  <td colspan="2">
    <a href="#LINK#">&EDIT_BUTTON.</a>
    #PARTY_NAME# - #ROLE# <i class="fa"></i>
  </td>
</tr>
```

```
<tr>
  <td align="right">#TYPE_NAME#</td>
  <td>#ENTRY#</td>
</tr>
```

| PARTY_ID | PARTY_NAME | ROLE | TYPE_NAME | ENTRY | ACTIVE_IND |
|----------|-------------------|----------|-----------|--------------|------------|
| 41 | Halpert, James D. | Accounts | Main | 800 555-1212 | N |

For a single row
Or the 1st Party Row

→ Use both types of rows

| PARTY_ID | PARTY_NAME | ROLE | TYPE_NAME | ENTRY | ACTIVE_IND |
|----------|-------------------|----------|-----------|---------------------------------|------------|
| 21 | Schrute, Dwight | Main | Main | 800 555-1212 | Y |
| 21 | Schrute, Dwight | Main | Personal | TheSilentNinja@SchruteFarms.com | Y |
| 21 | Schrute, Dwight | Main | Main | dschrute@dm.us | Y |
| 1 | Scott, Michael | Boss | Personal | 952 555-1212 | Y |
| 1 | Scott, Michael | Boss | Direct | michael.scott@dm.us | Y |
| 1 | Scott, Michael | Boss | Direct | 800 555-1212 | Y |
| 41 | Halpert, James D. | Accounts | Main | 800 555-1212 | N |

7 rows selected.

Analytic Functions



Analytics

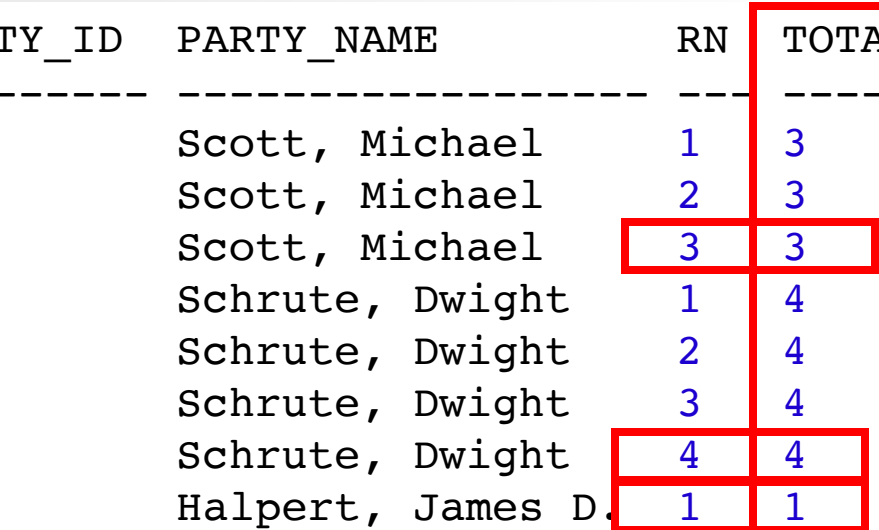
```
select party_id
      , party_name
      , entry
      , row_number() over (
          partition by party_id
          order by party_name, entry) rn
from parties
```

| PARTY_ID | PARTY_NAME | ENTRY | RN |
|----------|-------------------|---------------------------------|----|
| 1 | Scott, Michael | 800 555-1212 | 1 |
| 1 | Scott, Michael | 952 555-1212 | 2 |
| 1 | Scott, Michael | michael.scott@dm.us | 3 |
| 21 | Schrute, Dwight | 800 555-1212 | 1 |
| 21 | Schrute, Dwight | TheSilentNinja@SchruteFarms.com | 2 |
| 21 | Schrute, Dwight | dschrute@dm.us | 3 |
| 21 | Schrute, Dwight | ceo@SchruteFarms.com | 4 |
| 41 | Halpert, James D. | 800 555-1212 | 1 |

8 rows selected.

count(*) as analytic

```
select party_id
      , party_name
      , row_number() over (
          partition by party_id
          order by party_name, entry) rn
      , count(*) over (
          partition by party_id
        ) total_rows
from parties
```

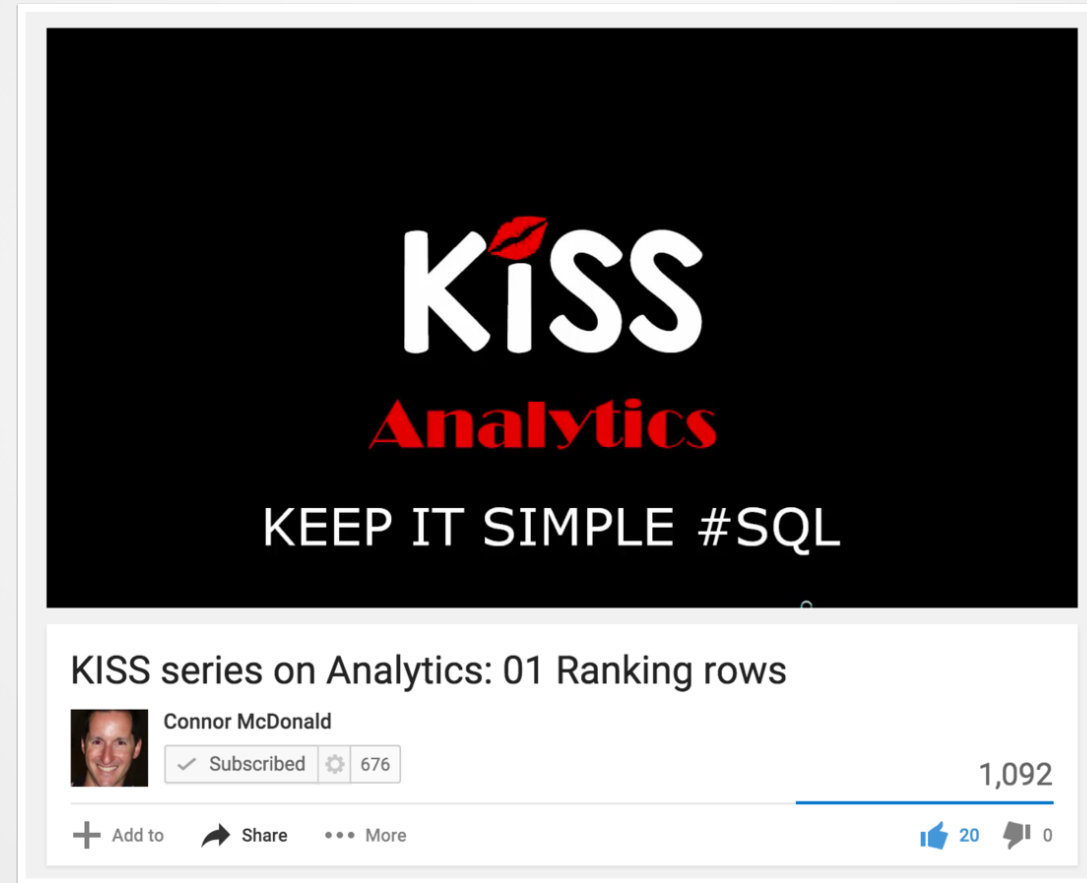


| PARTY_ID | PARTY_NAME | RN | TOTAL_ROWS |
|----------|-------------------|----|------------|
| 1 | Scott, Michael | 1 | 3 |
| 1 | Scott, Michael | 2 | 3 |
| 1 | Scott, Michael | 3 | 3 |
| 21 | Schrute, Dwight | 1 | 4 |
| 21 | Schrute, Dwight | 2 | 4 |
| 21 | Schrute, Dwight | 3 | 4 |
| 21 | Schrute, Dwight | 4 | 4 |
| 41 | Halpert, James D. | 1 | 1 |

8 rows selected.

KISS series on Analytics

by Connor McDonald



youtu.be/nk4l4ta4ZuU


```

select party_id
      , party_name
      , role
      , type_name
      , entry
      , row_number() over (partition by party_id
                           order by party_name, entry) rn
from parties

```

| PARTY_ID | PARTY_NAME | ROLE | TYPE_NAME | ENTRY | RN |
|----------|-------------------|----------|-----------|---------------------------------|----|
| 21 | Schrute, Dwight | Main | Main | 800 555-1212 | 1 |
| 21 | Schrute, Dwight | Main | Personal | TheSilentNinja@SchruteFarms.com | 2 |
| 21 | Schrute, Dwight | Main | Main | dschrute@dm.us | 3 |
| 1 | Scott, Michael | Boss | Direct | 800 555-1212 | 1 |
| 1 | Scott, Michael | Boss | Personal | 952 555-1212 | 2 |
| 1 | Scott, Michael | Boss | Direct | michael.scott@dm.us | 3 |
| 41 | Halpert, James D. | Accounts | Main | 800 555-1212 | 1 |

7 rows selected.

:RN = 1

Contacts

 **Schrute, Dwight** - Main ✓

| | |
|----------|--|
| Main | 800 555-1212 |
| Main | dschrute@dm.us |
| Personal | TheSilentNinja@SchruteFarms.com |

 **Scott, Michael** - Boss ✓

| | |
|----------|--|
| Direct | 800 555-1212 |
| Personal | 952 555-1212 |
| Direct | michael.scott@dm.us |

 **Halpert, James D.** - Accounts ✗

| | |
|------|--------------|
| Main | 800 555-1212 |
|------|--------------|

Contact List

Limitations

- Some HTML knowledge
- Templates are not that re-usable
- New columns require template changes
- Only 4 template conditions
- Potential Pagination Issues
- Limited support for Interactive Reports

HTML

Expression

Classic Reports

Interactive Report

```
select b.id
      , b.book_name
      , b.author
      , b.year
      , b.summary
from books b
order by b.book_name
```

```
<h2 class="title">#BOOK_NAME#</h2>
<div class="author">by #AUTHOR#</div>
<div class="summary">#SUMMARY#</div>
<span class="copyright">© #YEAR#</span>
```

Column Formatting

HTML Expression



```
<h2 class="title">#BOOK_NAME#</h2>
<div class="author">by #AUTHOR#</div>
<div class="summary">#SUMMARY#</div>
<span class="copyright"><span class="fa fa-
copyright"></span> #YEAR#</span>|
```

▼ Advanced

Custom Attributes^

Strip HTML

Yes

No

Sort Nulls

Last

▼

> Performance

▼ Heading

Type

None

▼⋮

▼ Download

CSV Export Enabled

Yes

No

No need to "Strip HTML"

Remove Headings

Probably turn off

HTML Expression

Reliquary

by Preston/Child

The story picks up where the epilogue of Relic left off. Two headless skeletons are found in the Humboldt Kill. When further decapitated bodies follow, there is suspicion of a second Mbwun monster. Major characters from the original book team up with new ones to solve the puzzle. The mystery soon leads underground to the Mole people, and even deeper towards enigmatic beings called the Wrinklers. In the end, it is revealed that the Wrinklers are led by Frock, who has refined a modified version of the Mbwun plant, created by Kawakita to regain the use of his legs. Kawakita also gave the drug to the people who were to become the Wrinklers, later made into his tribe by Frock. After going underground, the group kills them with an explosion, vitamin D infused water and a flood.

© 1997

The Cabinet of Curiosities

by Preston/Child

Dr. Nora Kelly's life as an archeologist at New York City's American Museum of Natural History becomes complicated when Aloysius X. L. Pendergast, a secretive and highly resourceful FBI Special Agent, convinces her to help him uncover the truth behind a string of brutal murders that appears to stretch back 130 years.

© 2002

Still Life with Crows

by Preston/Child

Agent Pendergast visits Medicine Creek, Kansas after a gruesome murder occurs. With the help of local teenaged misfit Corrie Swanson, he continues to investigate as more citizens are killed. Pendergast is soon led to believe that the murderer must be a

Detail View



Detail View Structure

```
<ul>
  <li>Orange Juice <i class="fa fa-check-square-o"></i></li>
  <li>Milk <i class="fa fa-check-square-o"></i></li>
  <li>Eggs <i class="fa fa-square-o"></i></li>
  <li>Bread <i class="fa fa-square-o"></i></li>
  <li>Cornflakes <i class="fa fa-square-o"></i></li>
</ul>
```

```
<ul>
```

Before Rows

For Each Row

```
→ <li>#TODO# <i class="fa fa-#CHECKED#square-o"></i></li>
```

```
</ul>
```

After Rows

Interactive Reports

Detail View

Sample Database Application Mobile Help demo

Products Create Product >

Search Go Grid Table Detail View Actions Reset

| Image | Name | Category | Available | Price | Units | Sales | Customers |
|-------|----------------|-------------|-----------|----------|-------|------------|-----------|
| | Bag | Accessories | Yes | \$125.00 | 16 | \$2,000.00 | 6 |
| | Belt | Accessories | Yes | \$30.00 | 11 | \$330.00 | 3 |
| | Blouse | Womens | Yes | \$60.00 | 16 | \$960.00 | 5 |
| | Business Shirt | Mens | Yes | \$50.00 | 23 | \$1,150.00 | 5 |

Interactive Grid

Detail View

IG Cookbook

- Variable Height Rows
- Update Selection
- Dynamic Column Total
- Cell Style Based on Data
- Report Checkbox Colu...
- Copy to Clipboard
- Double Grid
- Split Grid and Form M...
- Edit in Dialog
- IG Cards
- Simple Control
- Copy Down
- Spinner
- Tasks (reorder)
- Always Edit

L


M


S

1

2

3

 Arts


 Male


Country: Germany


Born: 1770

Died: 1827

Age: 57

Learn More 

 Politics


 Female

Country: Egypt

Born: -69


Died: -30


Age: 39

Learn More 

Galileo Galilei

GG

 Science & Technology


 Male

Country: Italy

Born: 1564


Died: 1642


Age: 78

Learn More 

Euclid

EU

 Science & Technology


 Male

Country: Unknown

Born: -325


Died: -265


Age: 60

Learn More 

Nero

NE

 Science & Technology


 Male

Country: Italy

Born: 1564


Died: 1642


Age: 78

Learn More 

Karl Marx

KM

 Science & Technology


 Male

Country: Unknown

Born: -325

Died: -265

Age: 60

Learn More 

Interactive Grid

Card View example

Example from John Snyners
hardlikesoftware.com

John Snyners IG Cookbook

hardlikesoftware.com/weblog/2018/01/01/apex-ig-cookbook-for-5-1-4/

Single Line Alerts & Messages



Examples

Billing

Generate Transactions



Time Entries on or before

30-MAY-18



for Mandate

- All -



There are ~ 21 total time entries, **2** billable that will create transactions. §

Generate transactions ⚡

§ These are system wide transactions.



Wrong Roles Assigned



The following responsible users are missing the role Manager, Mandate Admin, or Admin: **Adrian Png**

Generate Transactions



Time Entries on or before 30-MAY-18 for Mandate - All -

There are ~ 21 total time entries, 2 billable that will create transactions. §

Generate transactions ⚡

§ These are system wide transactions.

Content Body

Generate Transactions

Attributes

Sub Regions

Filter

Attributes

Items

P400_BEFORE_DATE

P400_MANDATE_ID

Time Entries Count

Columns

Attributes

Button

Attributes

Region Buttons

GENERATE_TRANSACTIONS

Legend

Attributes

HTML Expression

There are ~ #TIME_ENTRIES# total time entries, **#MANDATE_TIME_ENTRIES#** billable that will create transactions.

HTML Expression

Reference your columns via the
#COLUMN_NAME# notation

Columns are still escaped!

Use any HTML you want

Column Formatting

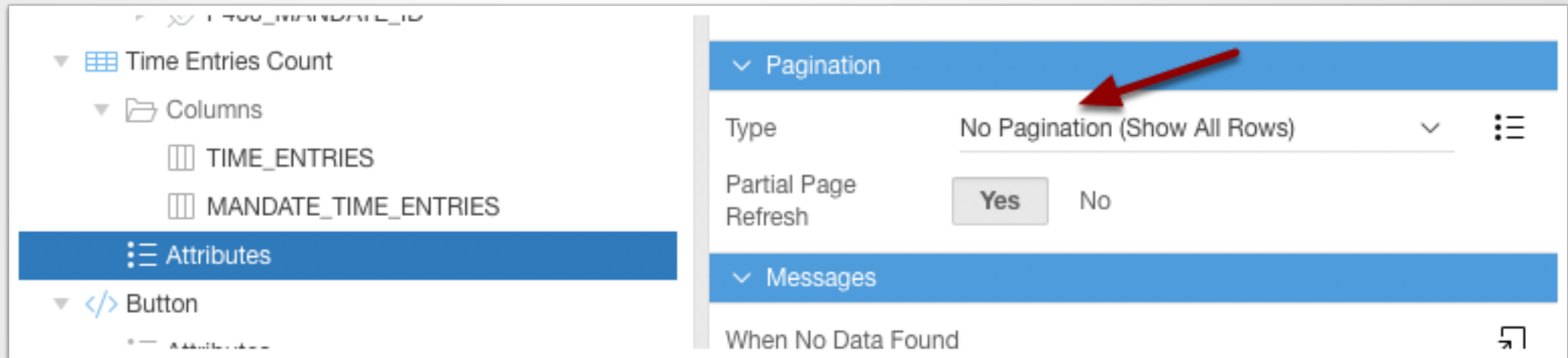
HTML Expression

There are ~ #TIME_ENTRIES# total time entries, #MANDATE_TIME_ENTRIES# billable that will create transactions. §

CSS Classes

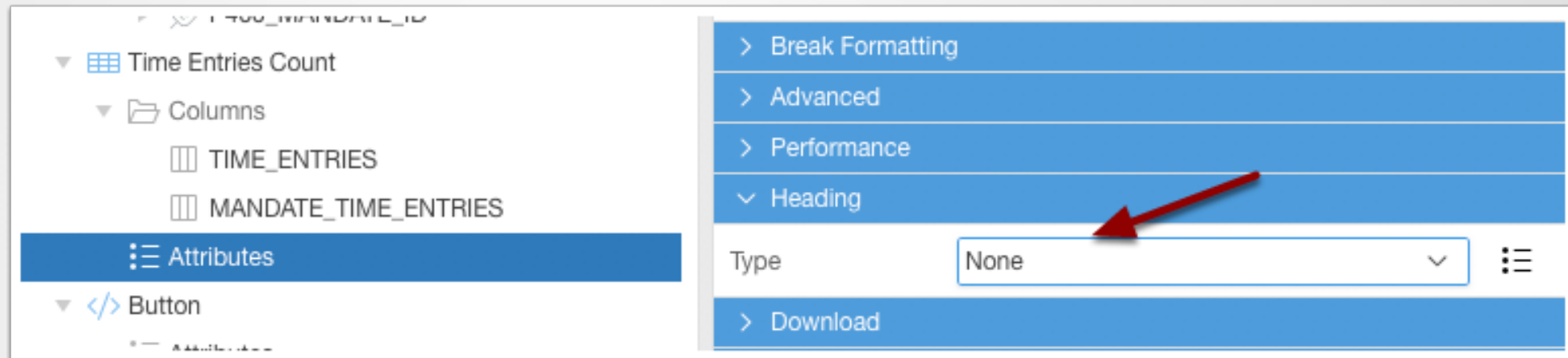
Remove Pagination


Under Report Attributes



Remove Headings

Under Report Attributes






Wrong Roles Assigned

The following responsible users are missing the role Manager, Mandate Admin, or Admin:

Adrian Png

Heading

Value



Wrong Roles Assigned

The following responsible users are missing the role Manager, Mandate Admin, or Admin:

Adrian Png

Heading

Value

Attributes

Wrong Roles Assigned

Columns

RESPS

Attributes

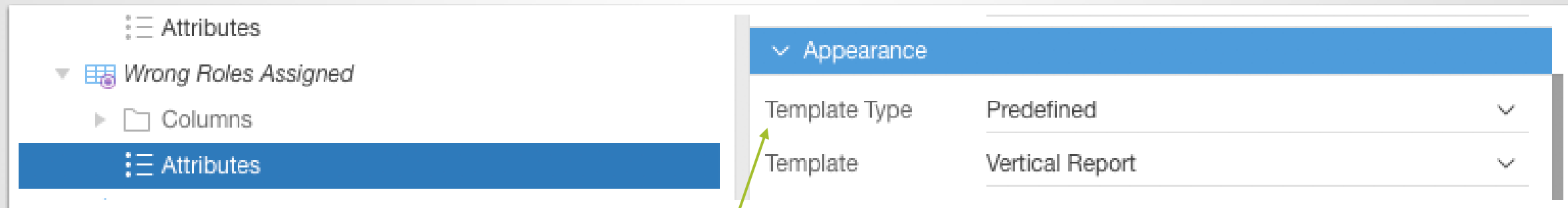
Maintain Mandate

Close All Assignments

| | |
|-------------|--|
| Column Name | RESPS |
| Type | Plain Text |
| ▼ Heading | |
| Heading | The following responsible users are missing the role Manager, Mandate Admi |
| Alignment | center |

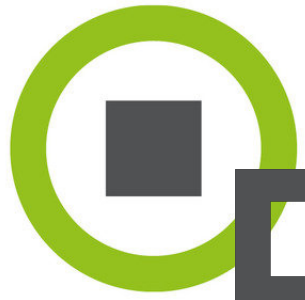
Report Template: Vertical Report

Under Report Attributes



Change Template Type

Also, turn off Pagination!



Recap



This is a good time to fill out the evaluations



rimblas.com/blog/presentations

Of course, you can do that with APEX! Report Templates; the definitive guide

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