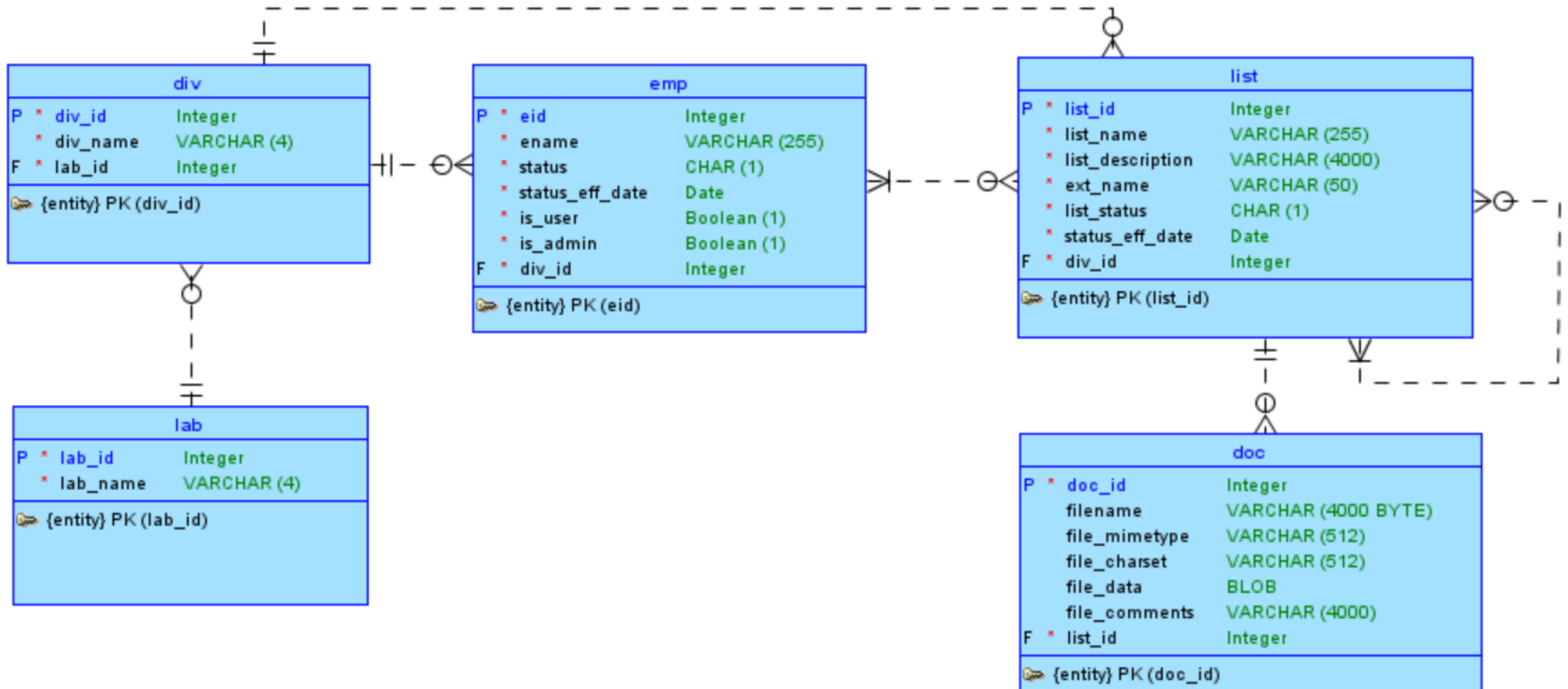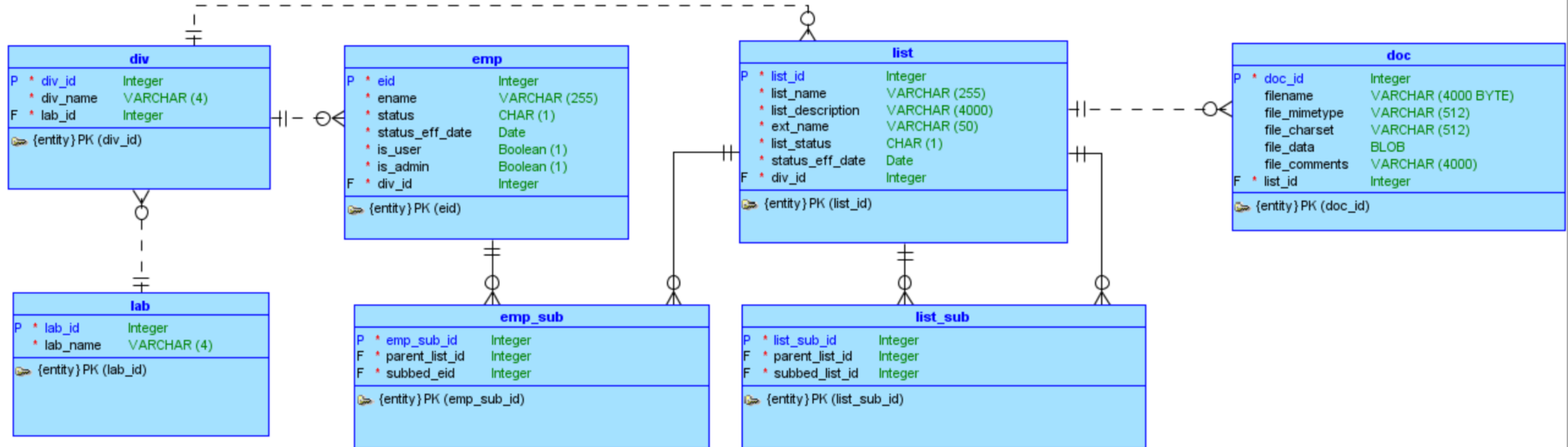# ARL Notification List APEX Application

Daniel Coonan
Jonathan Velasquez
Nicholas Moreles

Conceptual Model

Logical Model

APEX Application Link

[Click here to view our application](#)

Login as Admin or User

Must Haves / Good to Haves
Shortcut to Apex Document + Login Group Select

Must Haves
~~**Shortcut Shared Component**~~
~~**Group Select**~~
Tree
Search Bar
Region Display Selector
Shuttle
Upload
Download
Data Loading (CSV Import)
CSV Export
Modal Returns to Modal

Good to Haves
Pie Chart
Theme Roller

Login

Select a user or admin to login as   [Dwayne Armstrong (ATL ∨]   [Login]

If you are unfamiliar with APEX, we recommend viewing the APEX 5 Documentation.

[Dwayne Armstrong (ATL ∨]   [Login]

Admins
Dwayne Armstrong (ATL, ASD)
Emilio Maldonado (SGL, SAT)
Gertrude Francis (ITS, ITS)
Nicholas Moneybags (ADS, ACC)
Rogelio Park (SISL, SPD)
Users
Alejandro Martin (SGL, SAT)
Amelia Marshall (ADS, PUR)
Bonnie Nelson (ADS, ADS)
Cory Walton (ITS, ITS)
Donna Wood (ITS, MISS)
Francis French (ATL, ATL)
Gayle Frank (ADS, CON)
Henrietta Underwood (ITS, ITS)
Holly Andrews (SGL, SAT)
Jeannette Banks (ATL, ASD)
Jesse Graham (SGL, SGL)
Josh Chandler (SISL, SPD)
Melba Pierce (ESL, ESL)

Must Haves / Good to Haves
Theme Roller + Pie Chart = Good to Haves Done

Must Haves

~~Shortcut Shared Component~~

~~Group Select~~

Tree

Search Bar

Region Display Selector
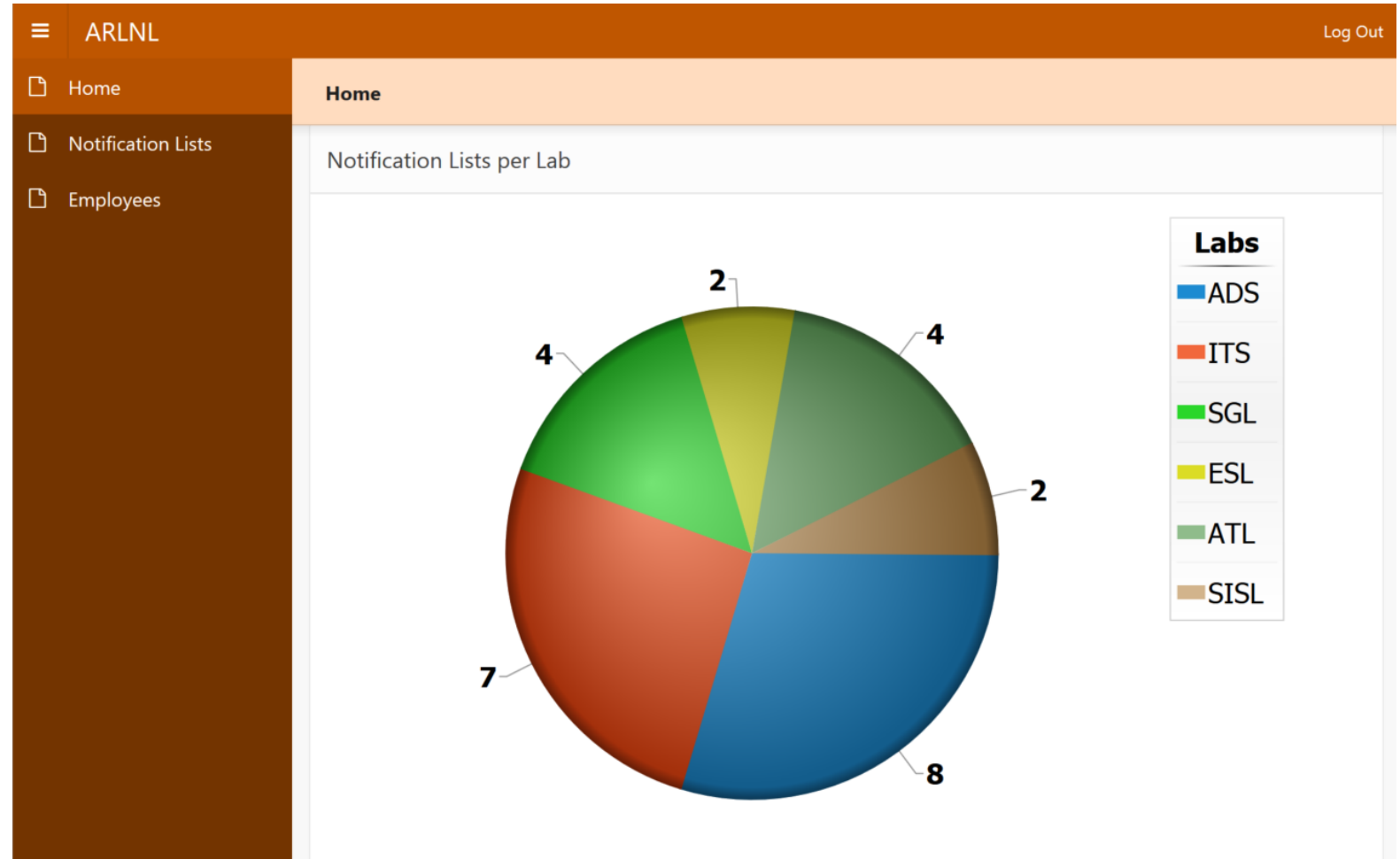
Shuttle

Upload

Download

Data Loading (CSV Import)

CSV Export

Modal Returns to Modal

Good to Haves

~~Pie Chart~~

~~Theme Roller~~

Must Haves / Good to Haves
Lab -> Division -> Notification List -> Subscribers Tree

Must Haves

~~Shortcut Shared Component~~

~~Group Select~~

Tree

Search Bar

Region Display Selector
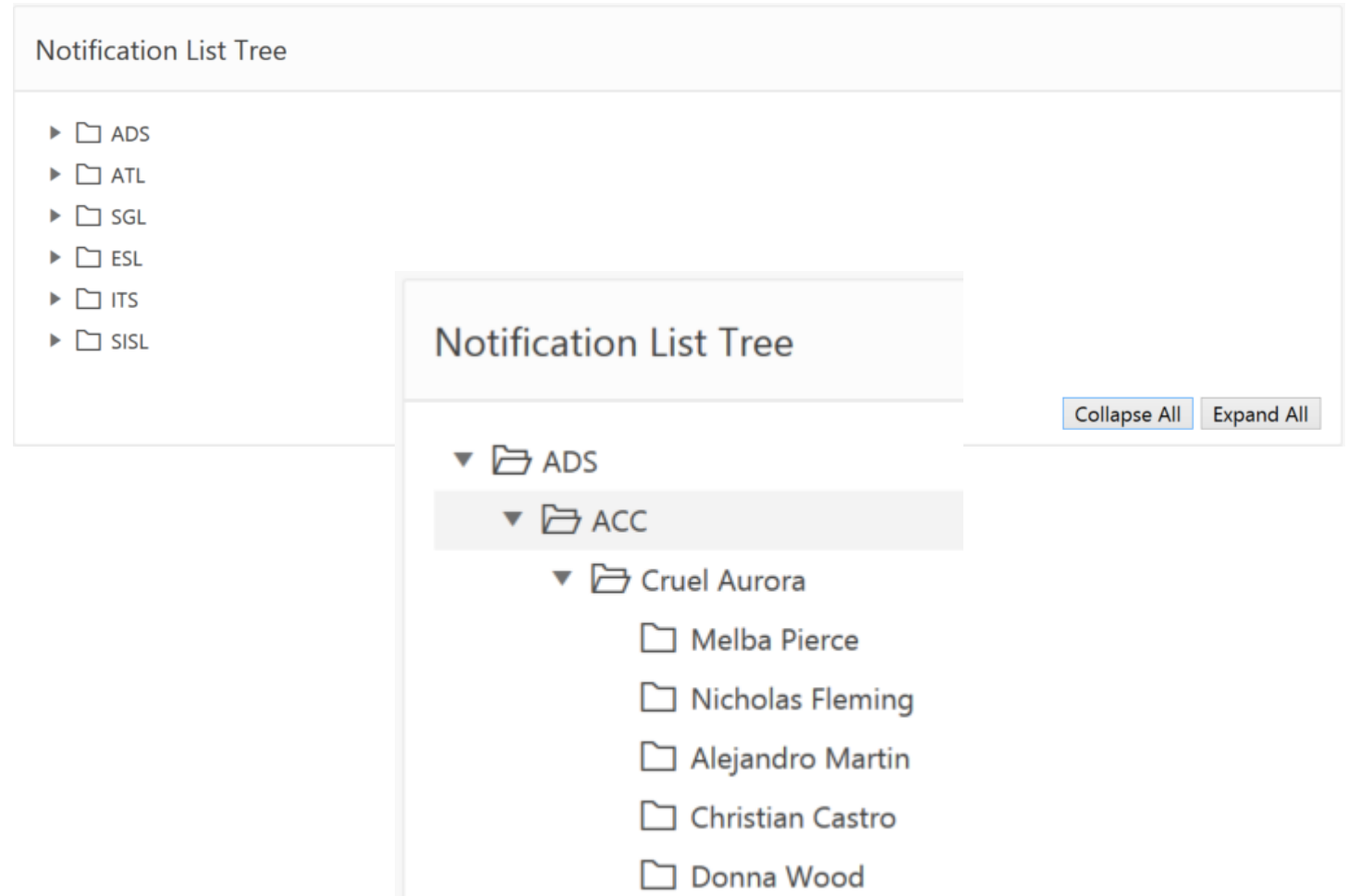
Shuttle

Upload

Download

Data Loading (CSV Import)

CSV Export

Modal Returns to Modal

Good to Haves

~~Pie Chart~~

~~Theme Roller~~

Must Haves / Good to Haves

Tree SQL Query

Must Haves

~~Shortcut Shared Component~~

~~Group Select~~

~~**Tree**~~

Search Bar

Region Display Selector

Shuttle

Upload

Download

Data Loading (CSV Import)

CSV Export

Modal Returns to Modal

Good to Haves

~~Pie Chart~~

~~Theme Roller~~

Region Source: ⓘ


```sql
 1  select case when connect_by_isleaf = 1 then 0
 2              when level = 1            then 1
 3              else                      -1
 4         end as status,
 5         level,
 6         name as title,
 7         null as icon,
 8         id as value,
 9         null as tooltip,
10         null as link
11  from (
```

```sql
11  from (
12      select 'lab_' || l.lab_id id,
13             to_char(null) parent_id,
14             l.lab_name name
15      from lab l
16      union
17      select 'div_' || d.div_id,
18             'lab_' || d.lab_lab_id,
19             d.div_name
20      from div d
21      union
22      select 'list_' || li.list_id,
23             'div_' || li.div_div_id,
24             li.list_name
25      from list li
26      union
27      select 'sub_e_' || es.emp_sub_id,
28             'list_' || es.list_list_id,
29             e.ename
30      from emp_sub es join emp e on es.emp_eid = e.eid
31  )
32  start with parent_id is null
33  connect by parent_id = prior id
```

Must Haves / Good to Haves
Search Bar for Employees by Name

Must Haves

~~Shortcut Shared Component~~

~~Group Select~~

~~Tree~~

Search Bar

Region Display Selector
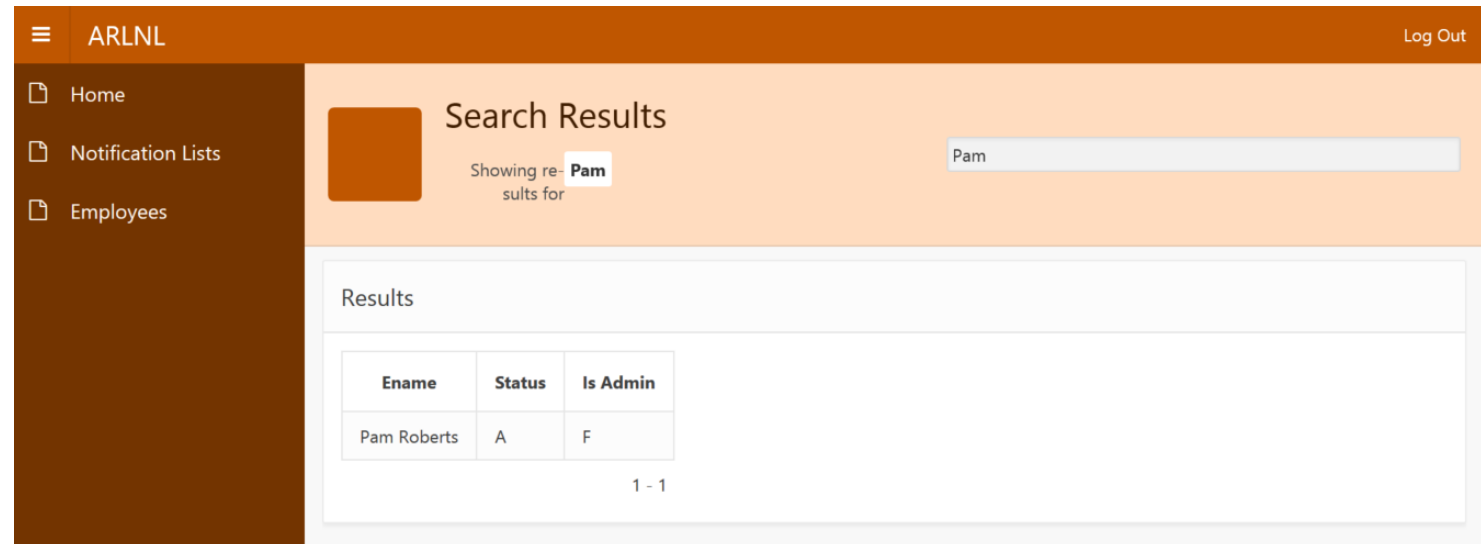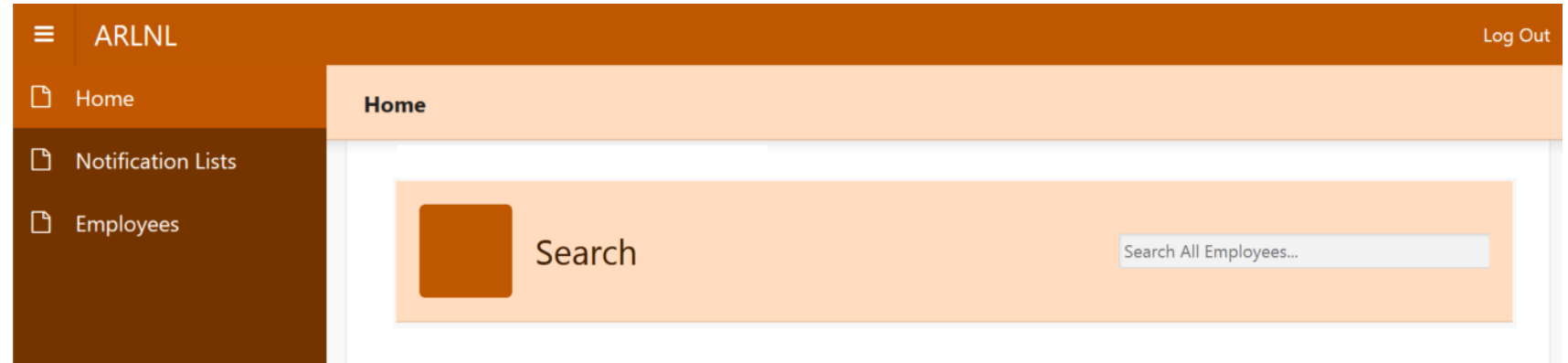
Shuttle

Upload

Download

Data Loading (CSV Import)

CSV Export

Modal Returns to Modal

Good to Haves

~~Pie Chart~~

~~Theme Roller~~

Select a division to view its lists
Admins can see all divisions; Users can only see divisions in their lab

All of a division's lists are shown
Create, Edit, or Manage a List

Must Haves / Good to Haves
List Detail Page has a region display selector

Must Haves
~~Shortcut Shared Component~~
~~Group Select~~
~~Tree~~
~~Search Bar~~
~~**Region Display Selector**~~
Shuttle
Upload
Download
Data Loading (CSV Import)
CSV Export
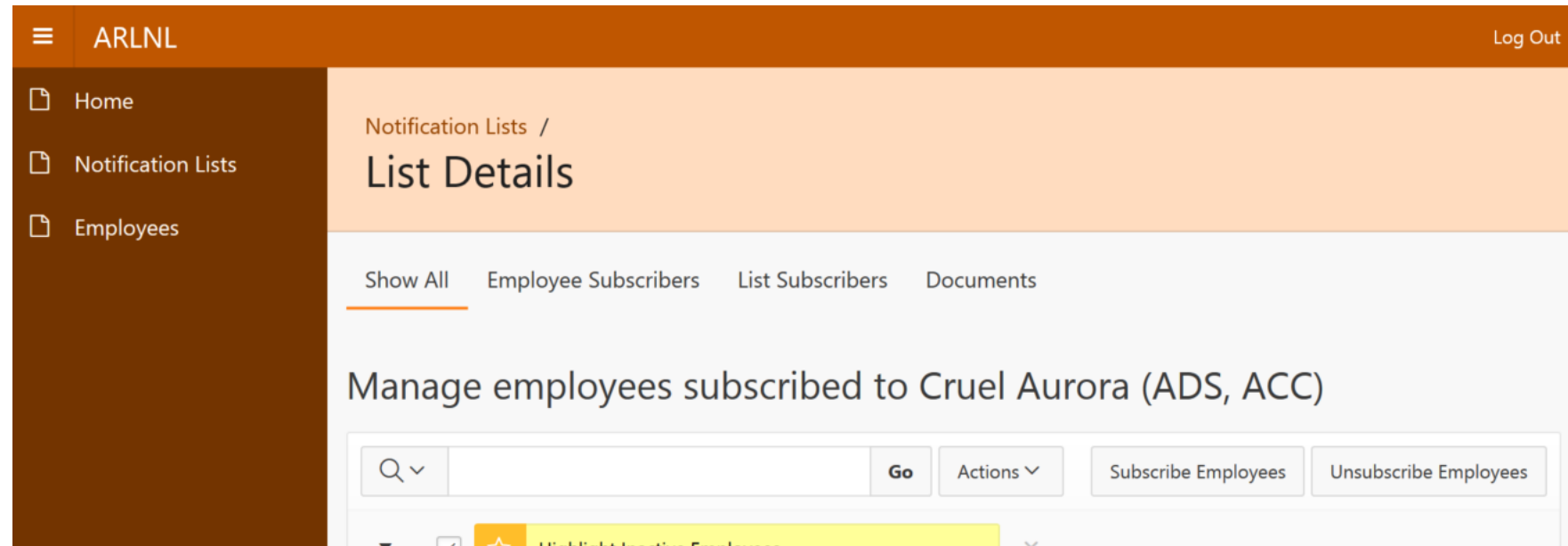Modal Returns to Modal

Good to Haves
~~Pie Chart~~
~~Theme Roller~~

List Details Page
Manage employees subscribed to a list

Must Haves / Good to Haves
Subscribe/unsubscribe shuttles in modal dialog

Must Haves
~~Shortcut Shared Component~~
~~Group Select~~
~~Tree~~
~~Search Bar~~
~~Region Display Selector~~
Shuttle
Upload
Download
Data Loading (CSV Import)
CSV Export
Modal Returns to Modal

Good to Haves
~~Pie Chart~~
~~Theme Roller~~

Subscribe Employees to Cruel Aurora

Select employees to sub-
scribe

Amelia Marshall (PUR)
Bonnie Nelson (ADS)
Cory Walton (ITS)
Debra Allison (ESL)
Donna Wood (MISS)
Dwayne Armstrong (ASD)
Ella Wilkerson (PUR)
Emilio Maldonado (SAT)
Francis French (ATL)
Gayle Frank (CON)

Cancel

Apply Changes

Subscribe / Unsubscribe PL/SQL

Subscribe Process

```
 1 declare
 2   l_vc_arr2   apex_application_global.vc_arr2;
 3
 4 begin
 5   l_vc_arr2 := apex_util.string_to_table(:SUBSCRIBE_EMP);
 6
 7 for i in 1..l_vc_arr2.count
 8 loop
 9   begin
10     insert into emp_sub
11     (list_list_id, emp_eid)
12     values
13     (:LIST_DETAILS_ID, to_number(l_vc_arr2(i)));
14   end;
15 end loop;
16 end;
```

Unsubscribe Process

```
 1 declare
 2   l_vc_arr2   apex_application_global.vc_arr2;
 3
 4 begin
 5   l_vc_arr2 := apex_util.string_to_table(:UNSUBSCRIBE_EMP);
 6
 7 for i in 1..l_vc_arr2.count
 8 loop
 9   begin
10     delete from emp_sub
11     where list_list_id = :LIST_DETAILS_ID and emp_eid = to_number(l_vc_arr2(i));
12   end;
13 end loop;
14 end;
```

List Details Page
Manage lists subscribed to a list

List Details Page
Manage documents associated with a list

Must Haves / Good to Haves
Downloads + Upload a document to a list via modal dialog

Must Haves

~~Shortcut Shared Component~~
~~Group Select~~
~~Tree~~
~~Search Bar~~
~~Region Display Selector~~
~~Shuttle~~
Upload
Download
Data Loading (CSV Import)
CSV Export
Modal Returns to Modal

Good to Haves
~~Pie Chart~~
~~Theme Roller~~

Upload Document to Cruel Aurora   ×

File Data *   Browse... No file selected.

File Charset

File Comments

Cancel   Create

Employees Page
Import/Export CSV, Add/Edit Employee, Manage Employee

Must Haves / Good to Haves
Downloads + Upload a document to a list via modal dialog

Must Haves
~~Shortcut Shared Component~~
~~Group Select~~
~~Tree~~
~~Search Bar~~
~~Region Display Selector~~
~~Shuttle~~
~~Upload~~
~~Download~~
~~**Data Loading (CSV Import)**~~
~~**CSV Export**~~
Modal Returns to Modal

Good to Haves
~~Pie Chart~~
~~Theme Roller~~

Must Haves / Good to Haves
"Submit and Insert Another" Button = We Have It All

Must Haves
~~Shortcut Shared Component~~
~~Group Select~~
~~Tree~~
~~Search Bar~~
~~Region Display Selector~~
~~Shuttle~~
~~Upload~~
~~Download~~
~~Data Loading (CSV Import)~~
~~CSV Export~~
~~**Modal Returns to Modal**~~

Good to Haves
~~Pie Chart~~
~~Theme Roller~~

Insert Employee   ☒

Name *   [   ]

Status *   [Active   ⇕]

Is User? *   [Yes   ⇕]

Is Admin? *   [Yes   ⇕]

Division *   [ACC   ⇕]

Cancel   Submit and Insert Another   Submit and Close

Employees Page
User version provides fewer features and only to employees in same lab

Employee Details Page
Clone Member, Batch Unsubscribe, Unsubscribe Link

Employee Details Page
Again, users see a more limited set of features

Unsubscribe Buttons PL/SQL
Only admins can unsubscribe from all lists

Unsubscribe from **all lists**

Process

```
1  BEGIN
2  DELETE FROM emp_sub
3  WHERE list_list_id = :P12_UNSUB_LIST_ID AND emp_eid = :EMPLOYEE_DETAILS_ID;
4  END;
```

Unsubscribe from **lists
only in a given lab**

Process

```
1  BEGIN
2  DELETE FROM emp_sub
3  WHERE emp_eid = :EMPLOYEE_DETAILS_ID
4  AND list_list_id IN
5  (
6  SELECT li.list_id
7  FROM list li
8  JOIN div d on li.div_div_id = d.div_id
9  WHERE d.lab_lab_id = :EMPLOYEE_DETAILS_LAB_ID
10 );
11 END;
```

Employee Details Page
Subscription cloning via modal dialog

Employee Subscription Cloning

Process that kicks off PL/SQL code
(that took way too long to write)

```
 1  BEGIN
 2
 3  DELETE FROM emp_sub
 4  WHERE emp_eid = :TO_CLONE
 5  AND emp_sub_id IN (
 6      SELECT emp_sub_id FROM emp_sub es
 7      JOIN list l on es.list_list_id = l.list_id
 8      JOIN div d ON l.div_div_id = d.div_id
 9      WHERE (
10          (SELECT is_admin FROM emp WHERE eid = :login) = 'T'
11      OR
12          (d.lab_lab_id = (SELECT di.lab_lab_id
13                           FROM emp ei JOIN div di
14                           ON ei.div_div_id = di.div_id
15                           WHERE ei.eid = :TO_CLONE))
16      ))
17  ;
```

```
18
19  FOR rec IN (SELECT list_list_id FROM emp_sub es
20              JOIN list l on es.list_list_id = l.list_id
21              JOIN div d ON l.div_div_id = d.div_id
22              WHERE emp_eid = :employee_details_id AND
23              (((SELECT is_admin FROM emp WHERE eid = :login) = 'T')
24                  OR
25                  (d.lab_lab_id = (SELECT di.lab_lab_id
26                                   FROM emp ei JOIN div di
27                                   ON ei.div_div_id = di.div_id
28                                   WHERE ei.eid = :employee_details_id)
29                  )
30              )
31          )
32  LOOP
33    BEGIN
34        INSERT INTO emp_sub
35        (list_list_id, emp_eid)
36        VALUES
37        (rec.list_list_id, :TO_CLONE);
38    END;
39  END LOOP;
40  END;
```

THE END