ARL Notice List Application
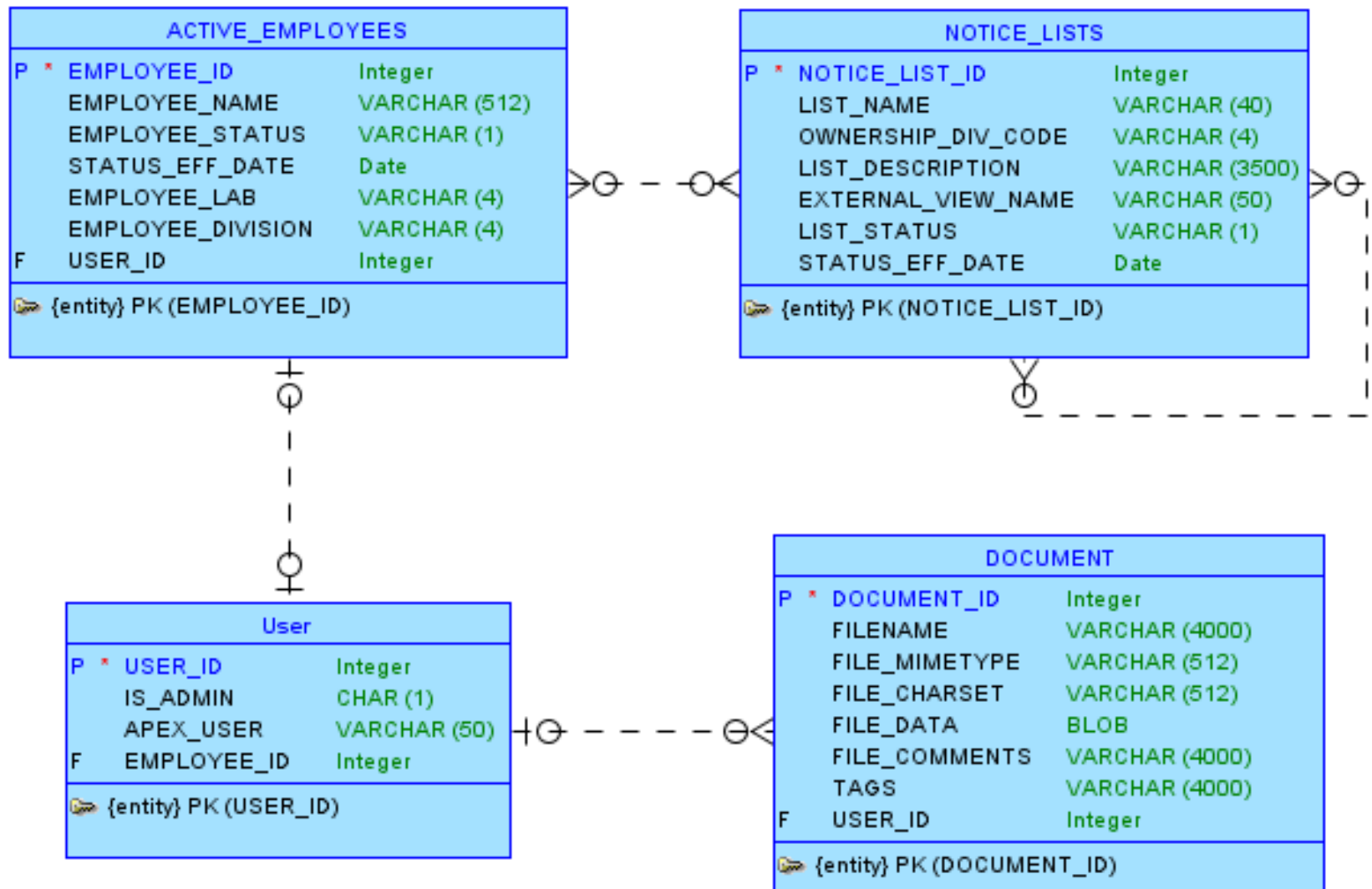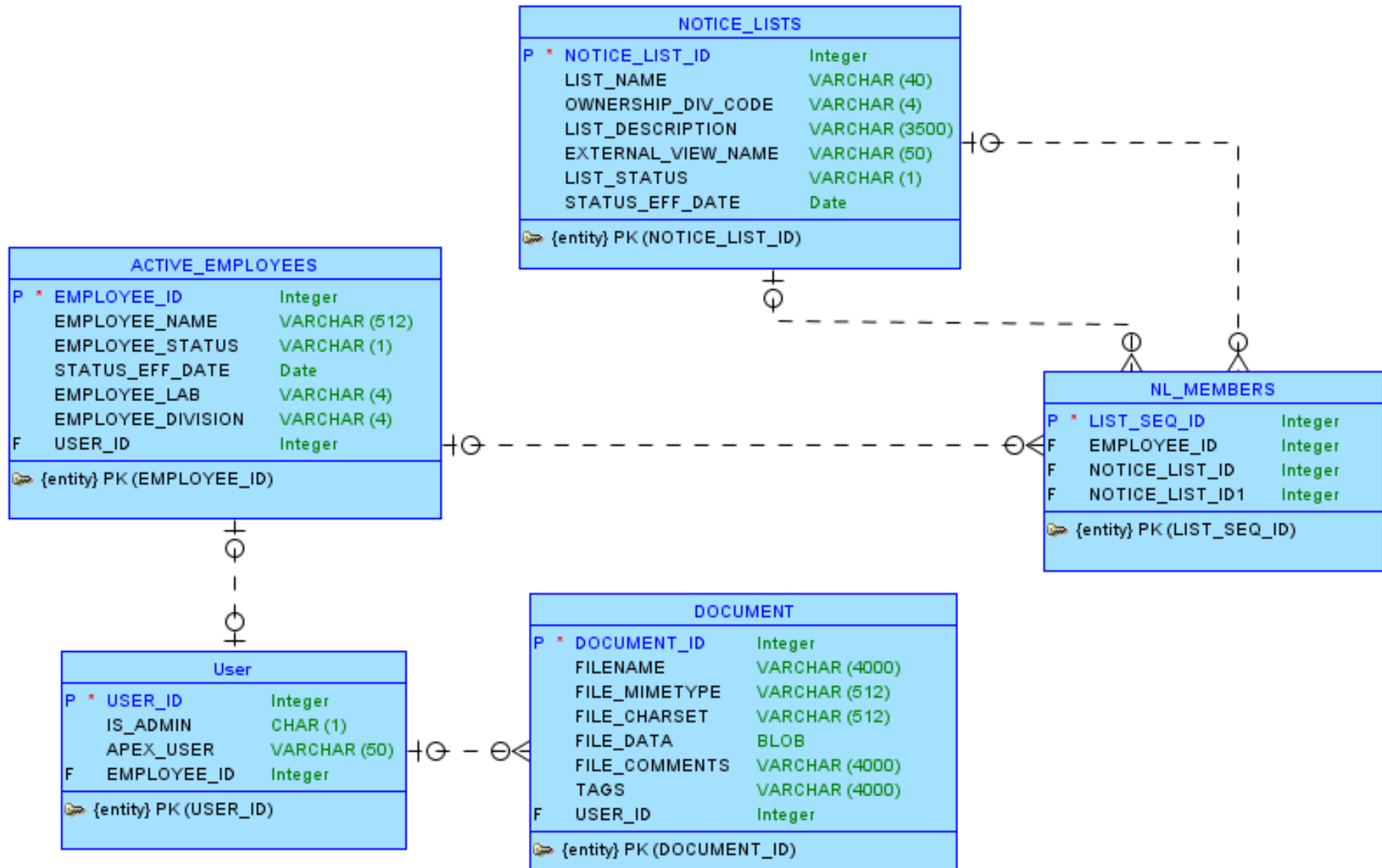
K.C. Hawes-Domingue and Kahli Holmes

Conceptual Model

Logical Model

Oracle ApEx link

https://apex.oracle.com/pls/apex/f?p=33240

Logins for testing purposes:
- guest_admin
password

- guest_user
password

List Membership Page

- Allows application users to add and remove members to and from lists.
- Shuttles allow the user to select multiple employees or multiple lists and add them to the specified notice list.
- Standard users (non-admins) are only able to make changes to lists in their division.
- Red text is used as a visual indicator to warn that an employee or list is inactive.

Home

List Membership

Membership Utilities

Documents

List Maintenance

Upload Employee Data

List Membership

List to modify Hardware Updates ▼ ⊘

Delete	List Name	Employee Name	Status	Date Added
☐	-	Guest Admin	A	27-APR-2015
☐	-	InactiveEmp On-List	I	27-APR-2015
☐	-	Jane A. Doe	A	27-APR-2015

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Delete

Add Employee(s) to List   Add Employee(s)

Lab ESL ⇕

Search Employee [   ]

Division [⇕]

Select Employees

Guest User
K.C. Hawes-Domingue
Roger H. Yoder

Annabelle F. Marshall
Michael R. Alexandre

Add List(s) to List   Add List(s)

Select List to Add

Alerts
Volunteers
Meals on Wheels
Austin Pets Alive!
Reminders
Cancellations
Environmental Science
Software Updates

Membership Utilities

- Clone Membership
- Remove From All Lists
- View Employee List Membership
  - All three of these functions use a search bar and browseable report to find employees.
  - Lists that can be changed are dependent upon user's authorization.
- View List Hierarchy
  - Shows nested lists

Log Out

Home

List Membership

Membership Utilities

Documents

List Maintenance

Upload Employee Data

Select an Action

Clone List Membership   Remove List Membership   View Employee List Membership   View List Hierarchy

View Employee List Membership

Select an Employee to view his/her list membership.

Employee Name   Jane A. Doe   Find Employee

Actions ⌄

List name	Date added
Environmental Sciences	27-APR-2015
HFH_Volunteers	27-APR-2015
Hardware_Updates	27-APR-2015
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List Maintenance

- Make changes to list attributes such as name, description, status, etc.
- Clone List Membership
  - Once again, standard users can only make changes to lists in their own division.

Log Out

- Home
- List Membership
- Membership Utilities
- Documents
- **List Maintenance**
- Upload Employee Data

Go | Actions ∨ | Create a New List

	Name	Description	External View Name	Created	Ownership Div Code	Status	Status Effective
✏	HFH_Volunteers	Notify Habitat For Humanity ARL volunteers of news and announcements.	hfh_vol	20-APR-2015	HR	A	01-APR-2015
✏	Hardware_Updates	Notify users of pending downtime.	hw_upd	18-APR-2015	MIS	A	01-MAR-2015
✏	Power_Outages	Notify users of power outages at ARL sites.	pw_out	18-APR-2015	ITS	A	01-MAY-2015
✏	Environmental Sciences	Notice list for all Environmental Sciences Laboratory employees.	ENV-SCI	27-APR-2015	ESL	A	01-APR-2015
✏	Reminders	Reminders for people.	Rem	26-APR-2015	MISS	I	26-APR-2015
✏	Cancellations	Cancellations for important events.	CAN	26-APR-2015	MISS	I	26-APR-2015
✏	Software_Updates	Notify users of recent software changes.	sw_upd	20-APR-2015	MIS	A	19-APR-2015
✏	Alerts	Alerts for the company on power outages, weather warnings, weekly events, etc.	Alerts	21-APR-2015	HR	A	21-APR-2015
✏	Volunteers	Notice List including all of the volunteers.	Volunteers	23-APR-2015	HR	A	20-APR-0015
✏	Meals on Wheels	Notice List for all of the people volunteering for Meals on Wheels	MON	23-APR-2015	HR	A	20-APR-0015
✏	Austin Pets Alive!	Notice list for Austin Pets Alive volunteers.	APA	26-APR-2015	SPD	A	26-APR-2015

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Clone List Membership

Select a list to clone and a list to receive the cloned list's members. (Note: this will remove existing members of the target list.)

Clone From [ ]
Clone To [ ]

Clone Access

"Good-To-Haves" Implemented

Authorization Scheme
- Two authorization schemes: Admin and User, based on
  - Presence in the User table (generic public accounts do not have access to the application)
  - IS_ADMIN ('Y' for admin, 'N' for standard user)
- Admins are able to see pages that access all data in the application, while users are limited to pages that only grant access to lists in their division.

Theme Roller
- Application now has a collegiate coloration and rounder edges.

What We Missed

- Our application is in need of an interface that allows administrative users to add other users to the application. This would insert rows into the "User" table that link an ARL employee to an ApEx user account.

- In a real implementation, instead of cross-referencing ApEx users, the application would authenticate against an LDAP server.