ARL Cost Transfer Requests

●●●

CS347 Spring 2017

Group 25

Regan Brickman

Jennie Kim

Drew Poche

Bulbasaur

Login Page

USER LOGIN

Lab code

[▼]

Employee name

[▼]

Employee Login

Admin name

[▼]

Admin Login

Accountant

[▼]

Accountant Login

Accountant

Ctr number	Status	Date created	Created by	Justification
95	Submitted	03-DEC-16	Benjamin Franklin	Other -explanation required in Comments
65	Submitted	02-DEC-16	Samuel Adams	Other -explanation required in Comments

1 - 2

update status

Ctr number 65

New status Returned

Get info   Update

Administrator

Ctr number	Status	Date created	Justification	Created by	Lab code
55	Entered	01-DEC-16	Other -explanation required in Comments	John Hancock	LAB1
65	Submitted	02-DEC-16	Other -explanation required in Comments	Samuel Adams	LAB2
75	Returned	05-DEC-16	Other -explanation required in Comments	Samuel Adams	LAB2
85	Entered	04-DEC-16	Other -explanation required in Comments		
95	Submitted	03-DEC-16	Other -explanation required in Comments		

Employee number by Lab

Employee number by Lab
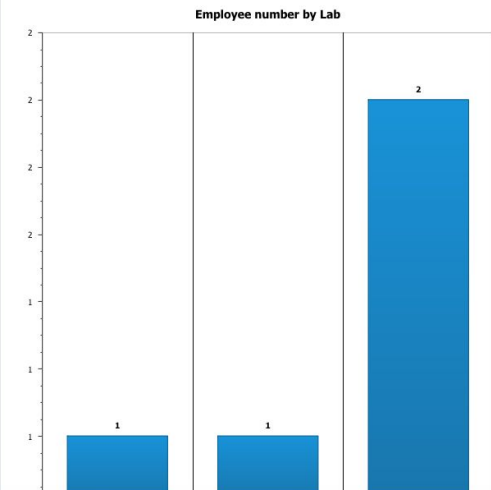
Employee name

	Employee name
-	John Hancock
-	John Adams

1 - 2

Employee

Your CTR's

	Ctr number	Date created	Created by	Status
Search		Go	Actions ⌄	

Ctr number	Date created	Created by	Status
65	02-DEC-16	Samuel Adams	Submitted
75	05-DEC-16	Samuel Adams	Returned
100	03-DEC-16	Samuel Adams	Submitted

1 - 3

Create CTR   Edit CTRs

Recall

Recall [100 ⌄]

Recall

Cancel CTR

Cancel CTR [⌄]

Cancel

CTRs from this lab

Ctr number	Status	Status sequence	Date created	Created by	Justification

Edit CTR

Master

Create

	Date Created	Status	Status sequence	Created by	Justification
🖊	05-DEC-16	Returned	3	Samuel Adams	Other -explanation required in Com...

Search: [ ] Go   Actions ∨   ⟲ Reset

1 rows selected   Total 1

Detail

Employee Id	4478
Equip Fab Id	103
* Justification Seq	5
* Date Created	05-DEC-16 🖩

3 of 19

Cancel   Delete   Save

Detail

Search: [ ] Go   Actions ∨   Edit   Add Row   ⟲ Reset

☑ ≣	Amount	Dnt	Idtv Number	Req Number	Pr Number	Purchase Or...	Vendor Des...	Transaction ...	Transaction ...	Subcategory	Subcategory1	Project Abbr...
☑ ≣												

1 rows selected   Total 1

Transactions

Select Transactions

Approved Transactions

Choose ↑≃	Project abbreviation	Document id	Transaction id	Dtn	Dtv number	Req number	Pr number	Purchase order number	Vendor description	Transaction type	Transaction status	Amount
Select	0555-2-200-55	80459	2343404	99864	6666	3228978	323019	2016A09340	Apple	EN	A	345.38

1 - 1

Select rows to delete:
```
2343402
2343403
2343407
```
Delete

Project abbreviation	Document id	Transaction id	Vendor description	Transaction type	Amount	Ctr number
0555-2-200-55	10233	2343402	Amazon	EN	130.27	183
0666-3-311-66	80233	2343403	Dell	EN	140.27	183
0777-4-422-77	80299	2343407	Data_World	EN	140.27	183

1 - 3

Confirm   Clear

Reallocations

Transactions Selected

Choose	Project abbreviation	Document id	Transaction id	Vendor description	Transaction type	Amount
Select	0555-2-200-55	10233	2343402	Amazon	EN	130.27
Select	0666-3-311-66	80233	2343403	Dell	EN	140.27
Select	0555-2-200-55	80459	2343404	Apple	EN	345.38

1 - 3

Back

Reallocated Transactions

Project abbreviation	Transaction type	Vendor description	Amount
0666-3-311-66	EN	CTR/Dell	90.27
0555-2-200-55	EN	CTR/Apple	345.38
0777-4-422-77	EN	CTR/Dell	25
0777-4-422-77	EN	CTR/Dell	25

1 - 4

Clear

Reallocations

Transfer Justification

Transaction From:

Project abbreviation ↑≟	Transaction type	Vendor description	Amount
0555-2-200-55	EN	Amazon	130.27
0666-3-311-66	EN	Dell	140.27

1 - 2

Transaction To:

Project abbreviation ↑≟	Transaction type	Vendor description	Amount
0555-2-200-55	EN	CTR/Amazon	130.27
0666-3-311-66	EN	CTR/Dell	50
0666-3-311-66	EN	CTR/Dell	90.27

1 - 3

Justification: [▼]

Comments: [   ]

Submit

Demo
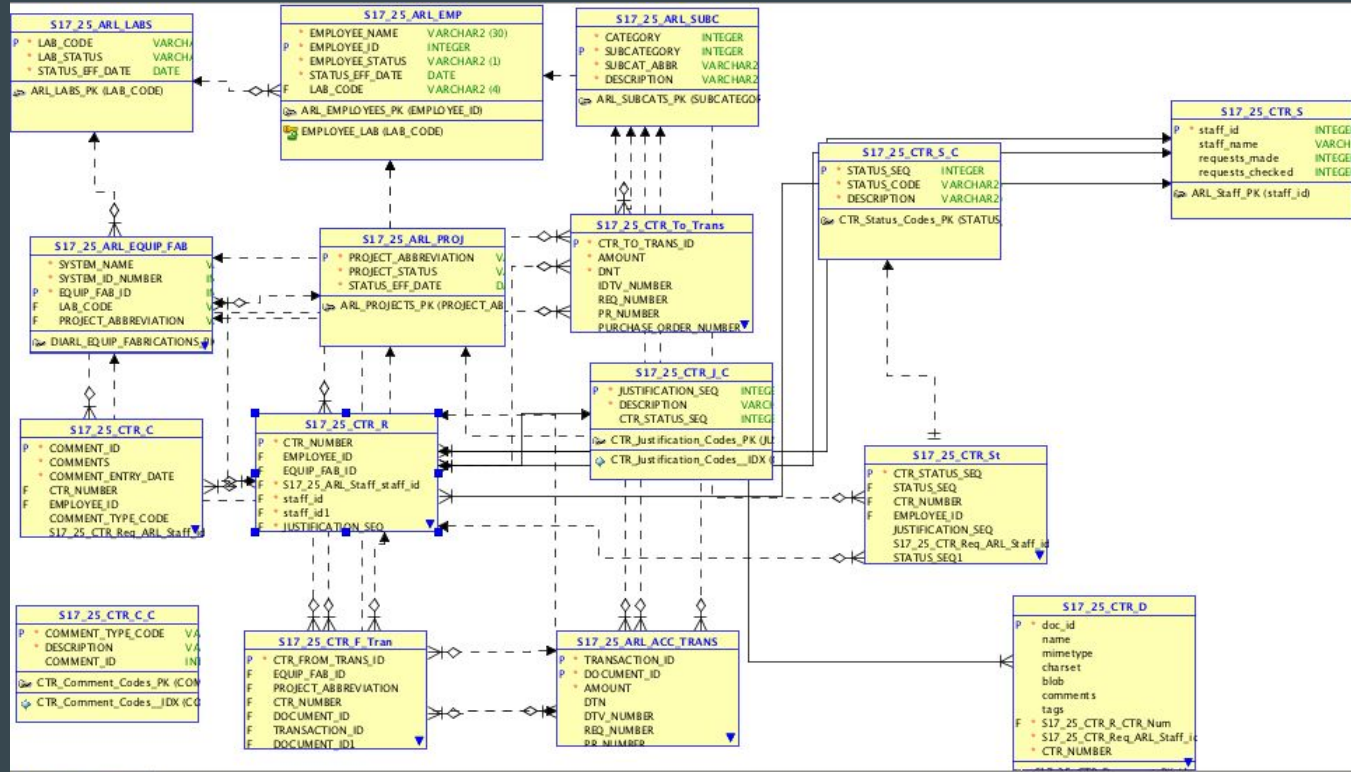
https://apex.oracle.com/pls/apex/f?p=99519:1:101738569331579

Logical Model
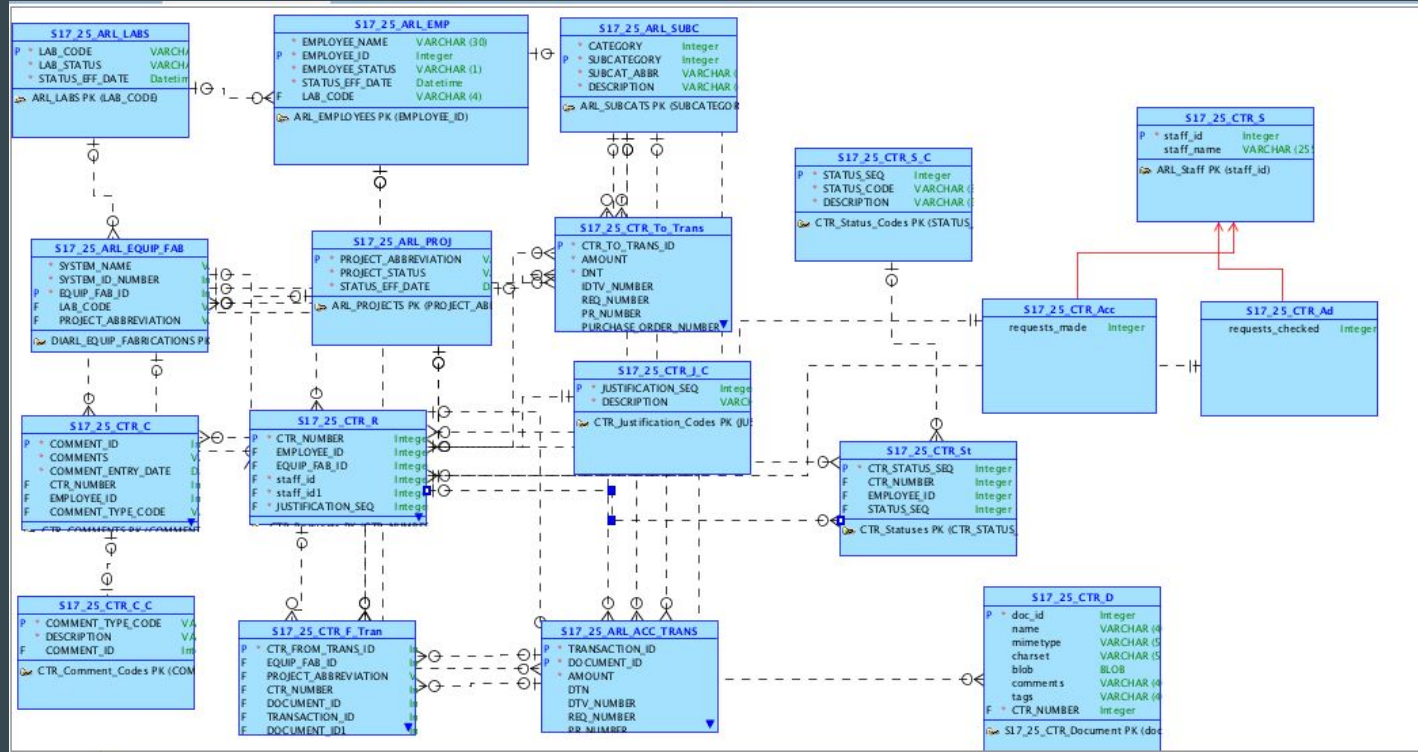
Relational Model

Lacking Features?

- Pop up warnings if transaction is more than 90 days old
- Full History of CTR Statuses is not maintained
- Missing Bonus functionality for 83/83 Category/SubCategory
- No Warning generated when transaction net sum isn't 0.
- Missing Duplicating CTRs to create a new one.
- Comments on recall
- Final Submit/insert into CTR is bugged/broken.

Project 6 SPARQL

```
"SELECT ?STAFF_ID ?STAFF_NAME ?REQUESTS_CHECKED ?TYPE WHERE {    ?s a
<https://data.world/cannata/project5#S17_25_CTR_Ad> .                        ?s
<http://data.world/xs2929/project-5-shao-poche-kim-brickman/S17_25_CTR_S.csv/S17_25
_CTR_S#STAFF_ID> ?STAFF_ID . ?s
<http://data.world/xs2929/project-5-shao-poche-kim-brickman/S17_25_CTR_S.csv/S17_25
_CTR_S#STAFF_NAME> ?STAFF_NAME . ?s
<http://data.world/xs2929/project-5-shao-poche-kim-brickman/S17_25_CTR_S.csv/S17_25
_CTR_S#REQUESTS_CHECKED> ?REQUESTS_CHECKED . ?s
<http://data.world/xs2929/project-5-shao-poche-kim-brickman/S17_25_CTR_S.csv/S17_25
_CTR_S#TYPE> ?TYPE .}"
```

Accountant

APEX APP link:

https://apex.oracle.com/pls/apex/f?p=16269:8:10430054547398::NO:::

Administrator

APEX APP link:

https://apex.oracle.com/pls/apex/f?p=12427:8:29360253146769:::::

Advantage of semantic over relational

Relational: To access information about the accountants and administrators in the final project, we need to create views then run queries to get the data.

Semantic: To access the same data, we only need to run the sparql query without creating views. That can benefit application developers on efficiency.

Complexity is handled by database.