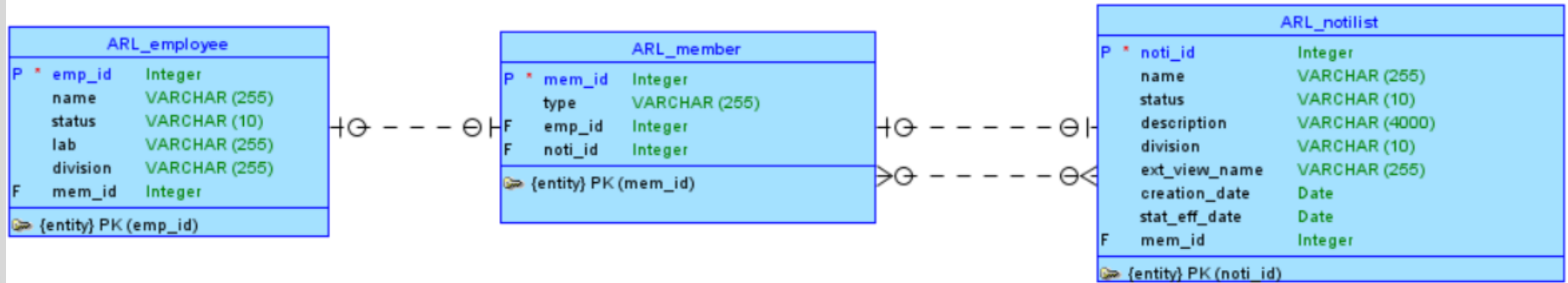


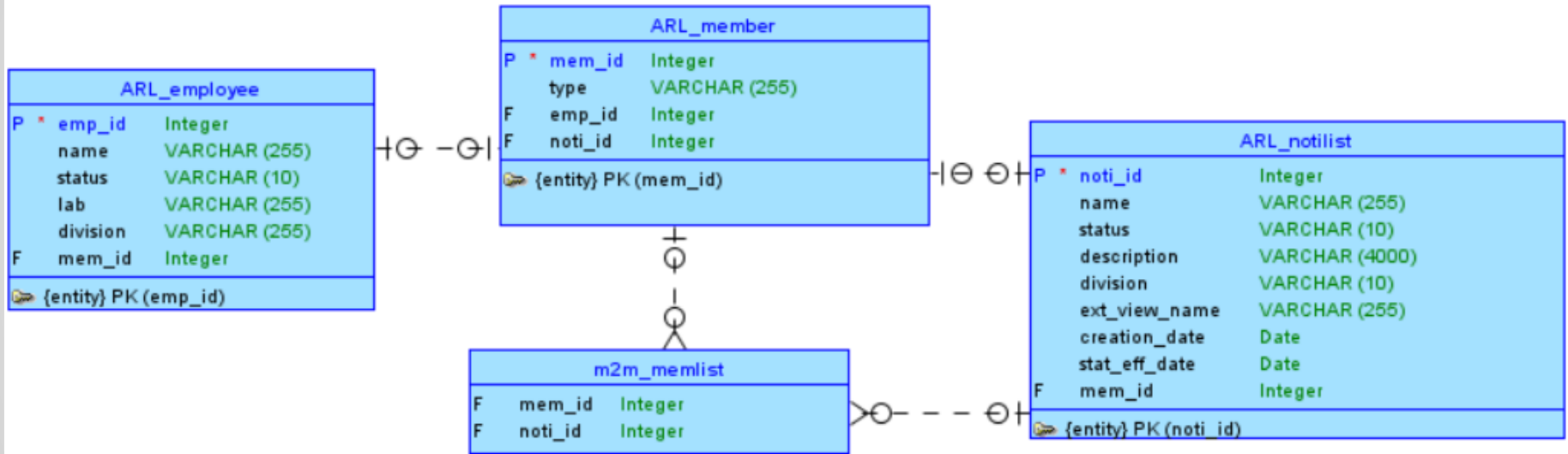
ARL Project

Kevin Ong and Salih Horozovic

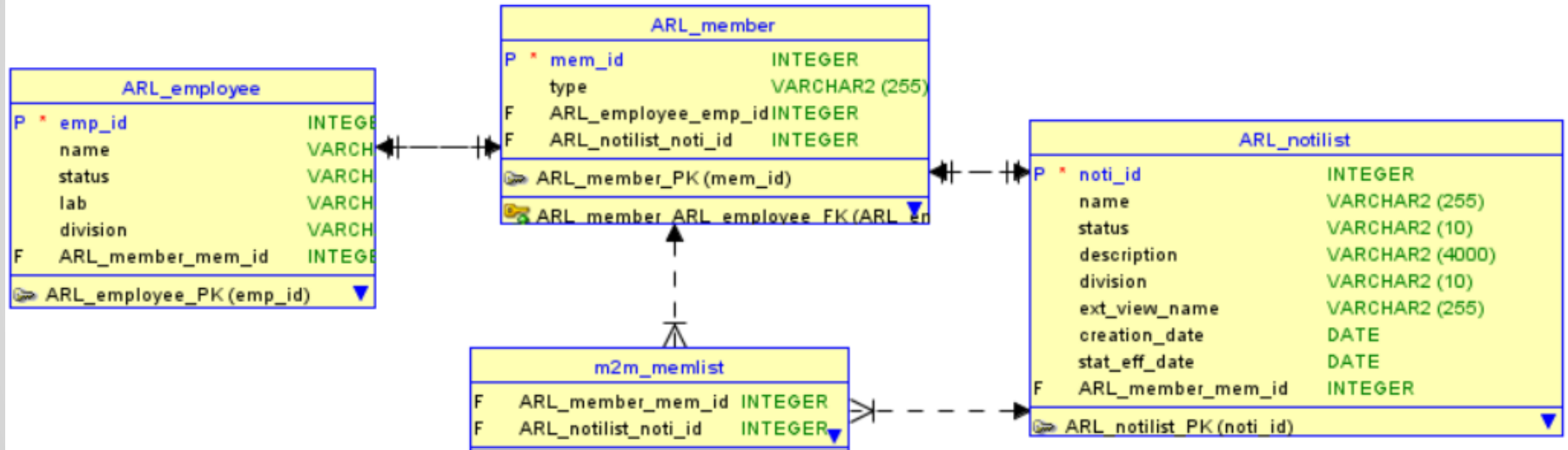
Conceptual Model



Logical Model



Relational Model



APEX URL

[https://apex.oracle.com/pls/apex/f?p=93592:15:
112529749848240::NO::](https://apex.oracle.com/pls/apex/f?p=93592:15:112529749848240::NO::)

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Actions

Create

	Emp Id	Name	Status	Lab	Division
	140	Jack	A	AAA	BBB
	141	John	A	BBB	CCC
	142	Jim	A	CCC	DDD
	160	Jay	A	ABC	CBA

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Notification Lists

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	Noti Id	Name	Status	Description	Division	Ext View Name	Creation Date	Stat Eff Date
	180	Pool Party	A	cool down	AAA	pool	25-APR-15	25-APR-15
	220	GOT watch party	A	You know nothing!	DDD	got	26-APR-15	26-APR-15
	200	LAN Party	A	game time	BBB	lan	25-APR-15	26-APR-15

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	Mem Id	Type	Arl Employee Emp Id	Arl Notilist Noti Id
	280	E	160	-
	240	N	-	200
	260	E	141	-
	261	E	142	-
	220	E	140	-
	282	N	-	180
	283	N	-	220

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M2M

≡

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Create

	Arl Member Mem Id	Arl Notilist Noti Id
	220	180
	240	180
	261	220
	220	220
	260	180

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Members and Notifications

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Actions

	Mem Id	Type	Arl Employee Emp Id	Arl Notilist Noti Id	Noti Id	Name	Status	Description	Division
	220	E	140	-	180	Pool Party	A	cool down	AAA
	240	N	-	200	180	Pool Party	A	cool down	AAA
	261	E	142	-	220	GOT watch party	A	You know nothing!	DDD
	220	E	140	-	220	GOT watch party	A	You know nothing!	DDD
	260	E	141	-	180	Pool Party	A	cool down	AAA

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Employee Membership

≡

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Employees

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140

141

✓ 142

160

Emp Id	Name
142	GOT watch party

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Employee Membership

```
select EMP_ID, NAME  
       from V_EMP_MEM  
where emp_id=:employees
```

Remove Membership

```
DECLARE
    mem_id_var NUMBER;
BEGIN
select mem_id
    into mem_id_var
    from arl_member
where arl_employee_emp_id=:employee;

delete from m2m_memlist
    where arl_member_mem_id=mem_id_var;

END;
```

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Remove Membership

Employee

-- ▾

Remove

Clone Membership

DECLARE

mem_id_var NUMBER;

cloneto_mem_var NUMBER;

m2m_row m2m_memlist%rowtype;

BEGIN

select mem_id

into mem_id_var

from arl_member

where arl_employee_emp_id=:clone_from;

select mem_id

into cloneto_mem_var

from arl_member

where arl_employee_emp_id=:clone_to;

FOR m2m_row IN (select arl_notilist_noti_id from m2m_memlist

where mem_id_var=arl_member_mem_id) LOOP

insert into m2m_memlist (arl_member_mem_id, arl_notilist_noti_id) values

(cloneto_mem_var, m2m_row.arl_notilist_noti_id);

END LOOP;

END;

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Clone Membership

Clone Membership

Clone From

Clone To

Clone