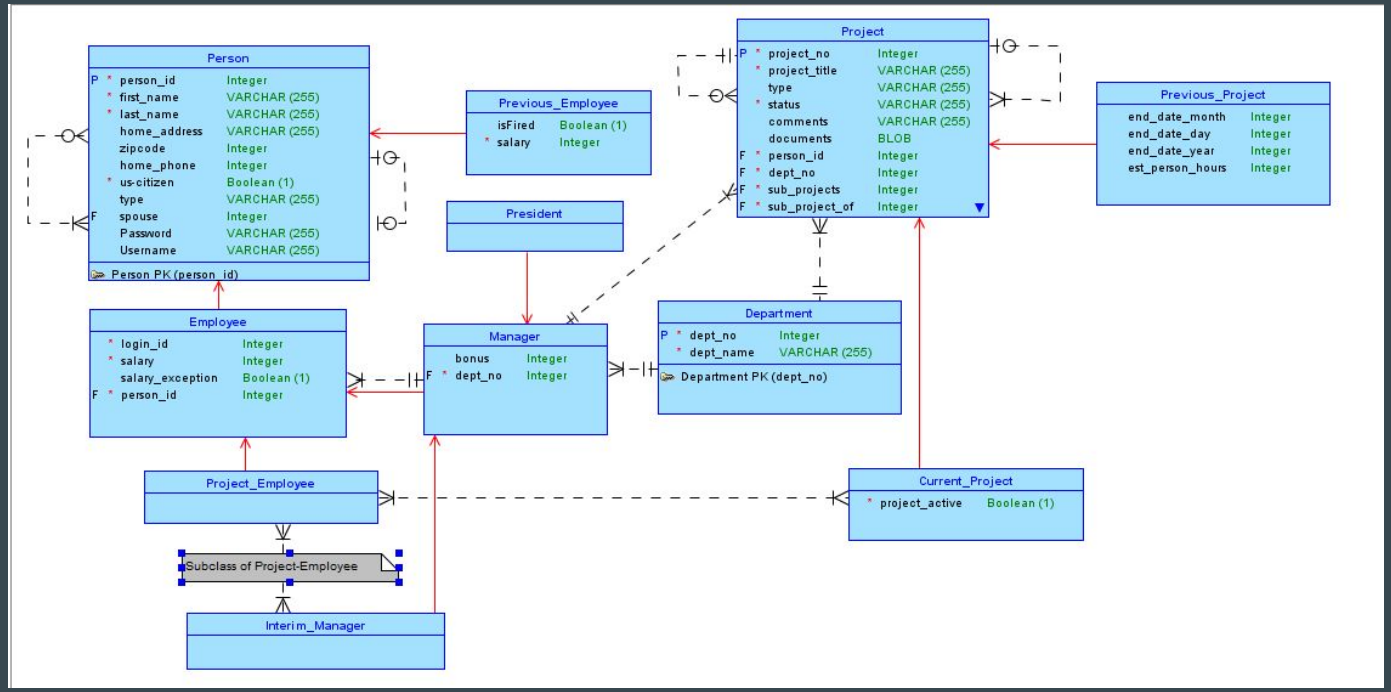
CS347 Final Project review

Rambo Wu Danyal Rizvi Kaivan Shah

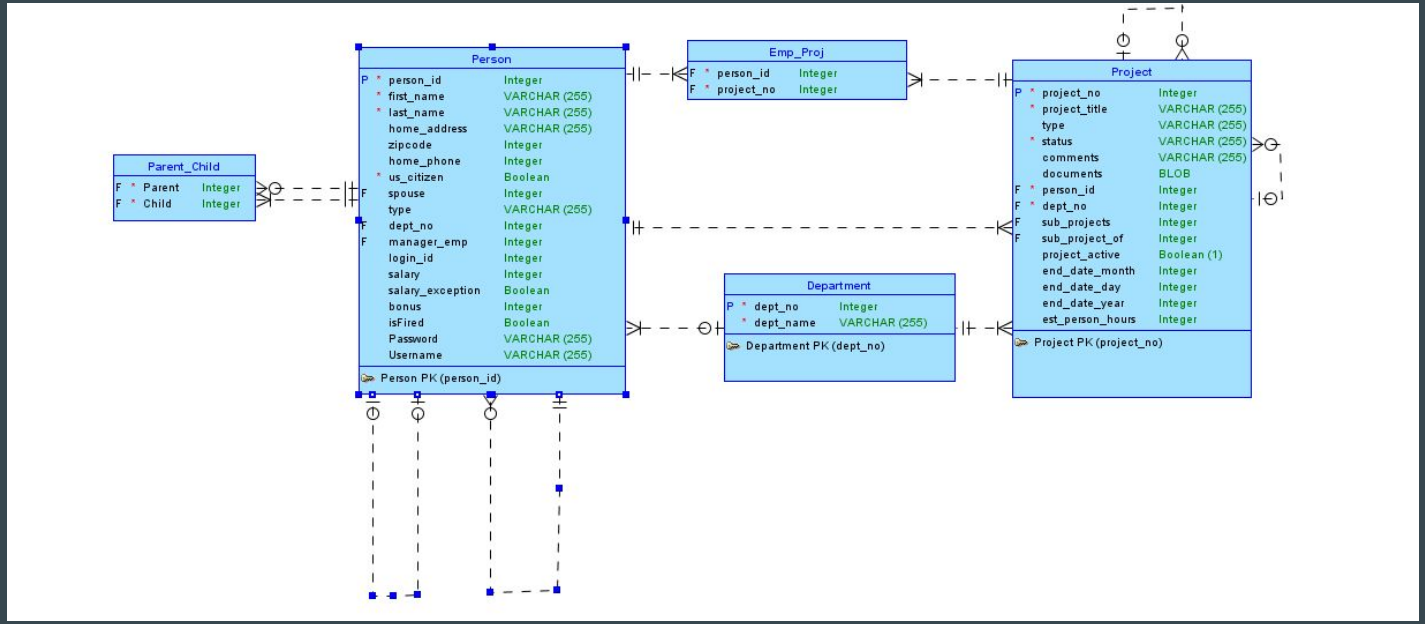
Part 1

...

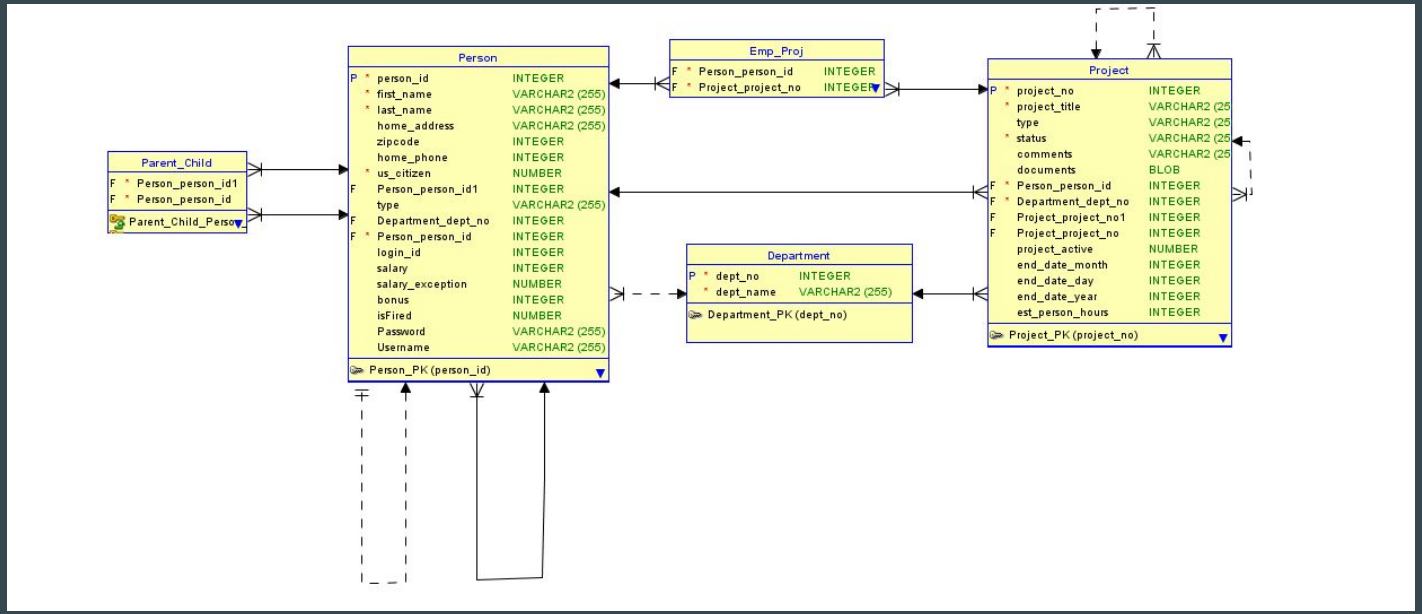
Conceptual Model



Logical Model



Relational Model

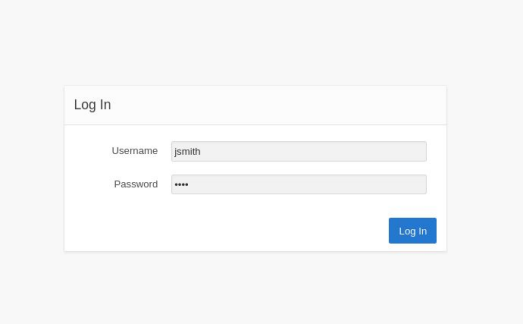


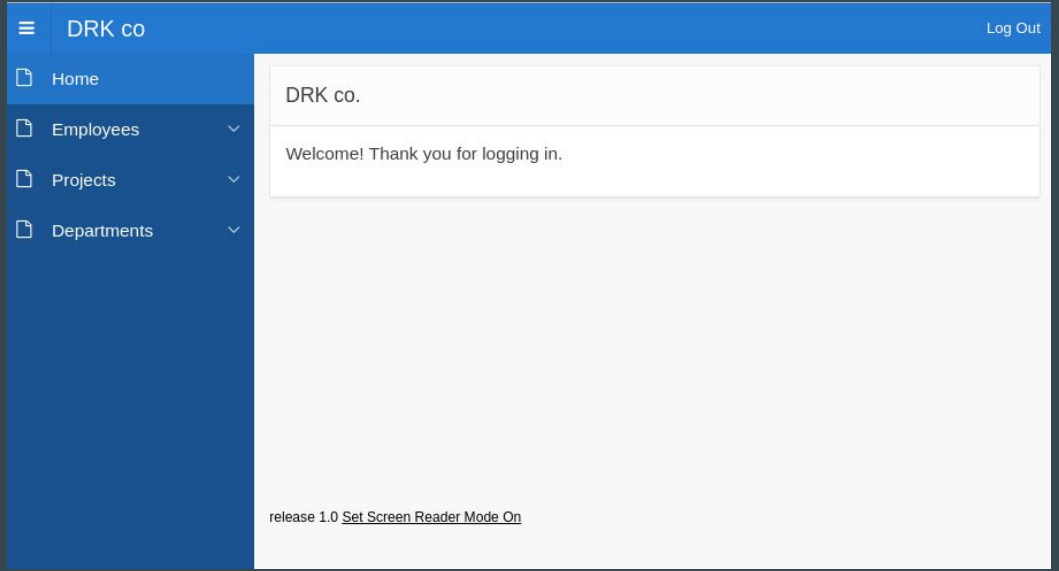
Features Implemented

- Custom login and password for each employee
- Custom navigation for different employee types
- Foreign keys replaced by list of values for forms
- Foreign keys replaced by name for reports

```
FUNCTION authenticate (
  p_username IN VARCHAR2,
  p_password IN VARCHAR2
)
  RETURN BOOLEAN
  AS flag NUMBER;
BEGIN
    SELECT 1
    INTO flag
    FROM person p
    WHERE UPPER(p.username) = UPPER(p_username) AND p.password = p_password;
    RETURN TRUE;
    EXCEPTION
     WHEN no_data_found THEN
     RETURN FALSE;
END;
```

Login Screen

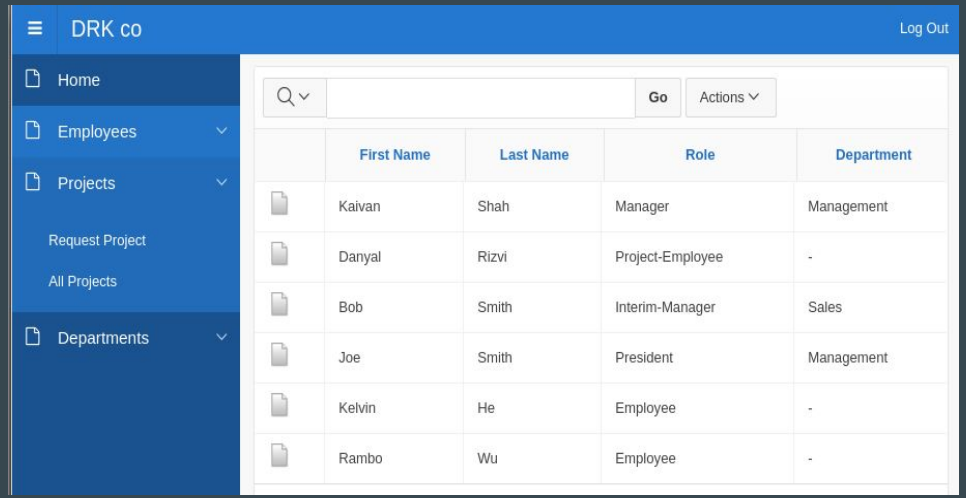




Employee Login

Permissions

- Create/Modify/View Parent-Child relationships
- View employee directory
- Request a project
- View all projects
- See all departments



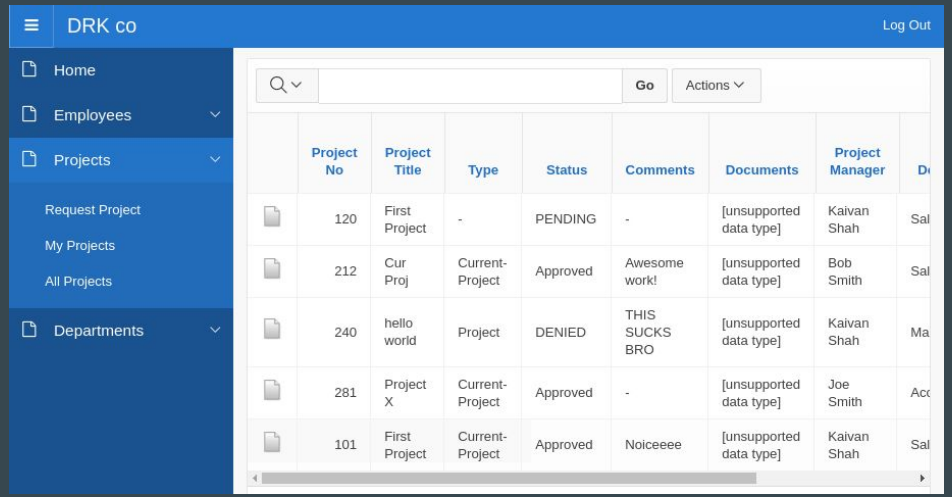
[Apex Link]

rwu

Project-Employee Login

Permissions

- Create/Modify/View Parent-Child relationships
- View employee directory
- Request a project
- View projects assigned to user
- View all projects
- See all departments



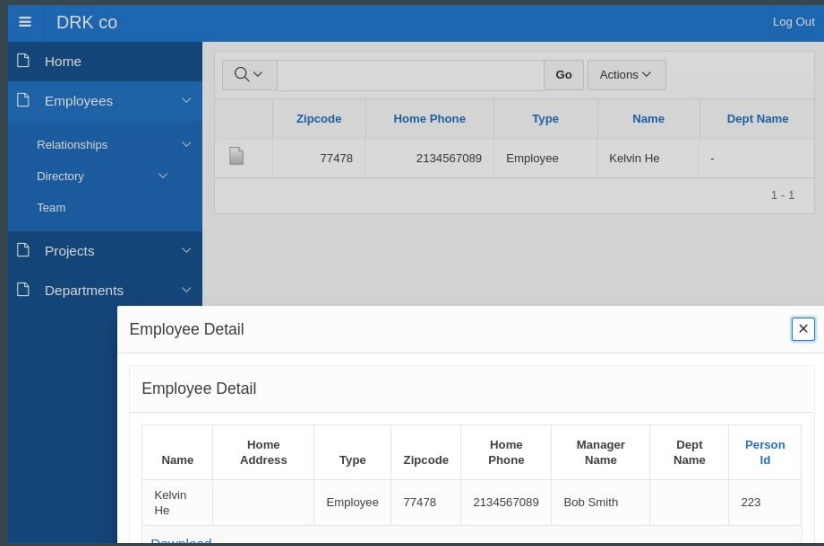
[Apex Link]

drizvi

Interim-Manager Login

Permissions

- Create/Modify/View Parent-Child relationships
- View employee directory
- View employee's managed by user
- Request a project
- View projects assigned to & managed by user
- View all projects
- Assign employee to project
- See all departments



[Apex Link]

bsmith

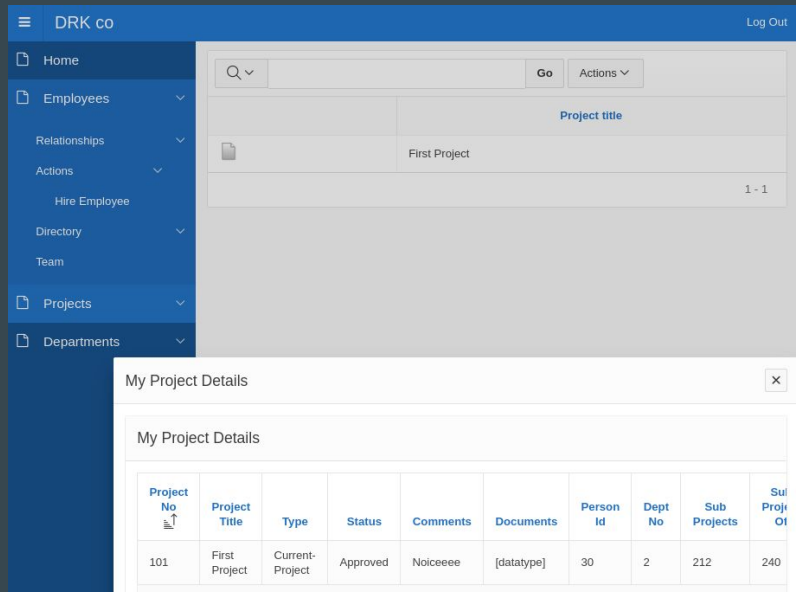
Manager Login

Permissions

- Create/Modify/View Parent-Child relationships
- Manage employee directory & hire/fire employee
- View employee's managed by user
- Request a project
- View projects assigned to & managed by user
- Approve/Manage all projects
- Assign employee to project
- See all departments

[Apex Link]

kshah



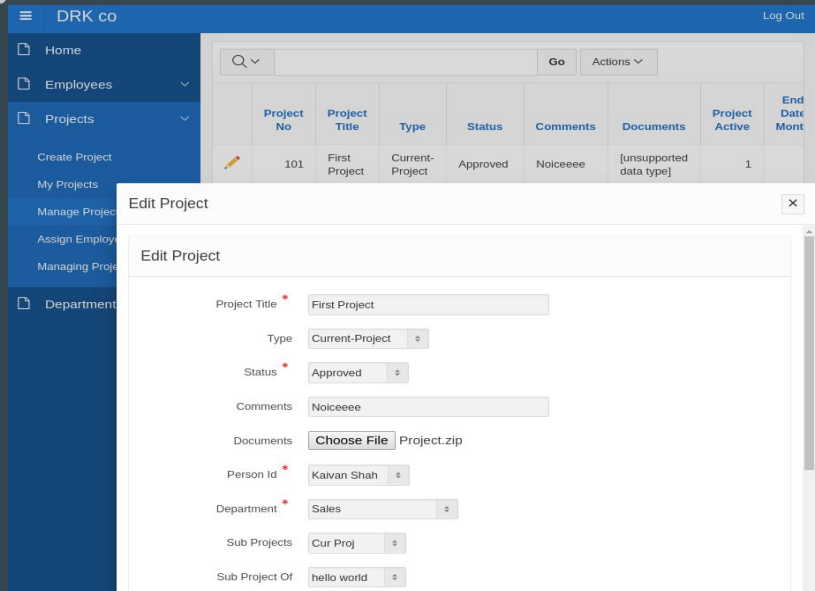
President Login

Permissions

- Create/Modify/View Parent-Child relationships
- Manage employee directory & hire/fire employee
- View employee's managed by user
- Request a project
- View projects assigned to & managed by user
- Approve/Manage all projects
- Assign employee to project
- See/Create all departments

[Apex Link]

jsmith



Part 2

...

Conceptual Model

Differences between relational vs SIM database