Candidate Aptitude Testing

Code Questions

For each of the following code snippets please present

1. A rapport that demonstrates you understand what the code is doing (perhaps add comments)
2. Any patterns that you see being exhibited, include architecture diagrams if you see fit
3. Any issues that you see in the code that could be improved
4. Any bugs - if you can spot any but hard to determine without running

Web Client Code

Not all files provided, but enough to be able to provide a critique and understanding at the abstract level.

Where would I add another action button to interact with the employee list?

How does the client show terminated employees?

how does pagination work etc…

employees-server.zip

employees.zip

Mobile Client Code

employee.js

Server Code

EnsurePeriodFiling.js

SQL Question

For the following SQL, please ascertain the entity structures and provide a verbal description of what it is doing

```
select distinct op.period_id, op.employee_id from
    (select distinct t.period_id, t.employee_id, 'PT_AC_ACC_LEAVE'
as type from period  p join txn t on p.id = t.period_id where state
= 1) op
    left join txn t on op.period_id = t.period_id and op.
employee_id = t.employee_id and op.type = t.type
where t.type is null
```