Client is implementing “Contract **Employee Management System**” client server application with backend Mysql/Oracle database to perform below operations.

1.Assume Employee table exist with following sample data.

Productid,name,mDate,useBeforemonths,eDate,price

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| EmpID | Name | JoiningDate | ContractDuration | ContractEndDate | Commercial |
| 101 | Ram | 20/12/2022 | 3 | null | 60000 |
| 102 | Raj | 20/09/2022 | 6 | null | 50000 |
| 103 | Kiran | 20/11/2022 | 12 | null | 30000 |
| 104 | Smitha | 20/10/2022 | 8 | null | 50000 |
|  |  |  |  |  |  |

2.Perform following operations to accept new product from client using HTML page and persist in database passing values through controller,service and dao.

* addEmployee(Employee e)

3.Perform update operation so that for all employees in table should be updated contractend date with addition of 2 columns ,joiningdate + contract duration months

* updateEmployee(EmployeeList elist) -> contractEndDate should be calculated an dupdated in table

4.Perform delete operation so that all contract end employees should be deleted.

* deleteEmployee(EmployeeList elist) ->all expiry products need to be deleted

5.Perform read operation to generate a report with all existing employees in the order of contract ending date

* List<Product> listAllEmployees()

6.Junit test cases need to be implemented

7.Streams and lambda can be implemented (optional)

Classes need to be implemented:

com.ems.model -> Employee.java

com.ems.exception: EmployeeListEmptyException

com.ems.test: EmployeeServiceImplTest,EmployeeDAOImplTest

com.ems.util: DbConn.java

com.ems.service : EmployeeService, EmployeeServiceImpl

com.ems.dao :EmployeeDao,EmployeeDaoImpl

com.ems.validator : EmployeeValidator

com.ems.controller :EmployeeController/ ( servlet/jsp an one can be implemented)

Use HTML files for UI layer