Antra Advanced Java Training Assignment 2

Dongyue Li

Problem Description:

In previous assignment the Department and Employee is Many to Many relationship. In the real world, most of the time employee should only belong to one department.

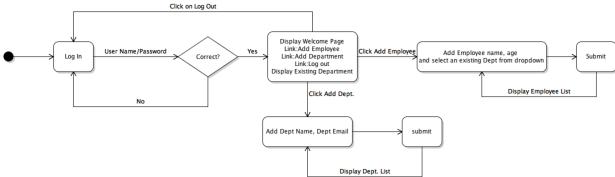
Task1: Change the relation from Many to Many to One to Many.

To do this, the users should be able to create a standalone department without employee and then from add employee page they can choose one department of the employee.

After add a new employee, the result should be displayed in both Existing Dept and Exisitng Employee.

- Task 2: Apply MVC. Make the package organized. Give meaningful name of classes.
- Task 3: Save Employee and Department into mysql database.
- Task 4: Create/modify 'Department' and 'Employee' classes.
- Task 5: Modify Servlets and Services classes. Using JDBC inside Service class to run preparedstatments/statements to save/retrieve data.
- Task 6: Make sure the next time user come back, the data is getting from database instead of memory.

Strategy: LoginServlet LogoutServlet AddDeptServlet AddEmpServlet LoginServlet uses UserService to validate the user. Department **Employee** AddDeptServlet uses DepartmentService to add department AddEmpServlet uses EmployeeService to add employee. We may need List<Employee> and List<Department> saved as session attributes. Integer id: Integer id: String name; String firstName: String email; String lastName; List<Employee> employeeList Department department: EmployeeService DepartmentService UserService addNewDepartment addNewEmployee public boolean validateUser(String userName, String pwd)



Display:

榈 index.jsp m pom.xml

Antra_JavaEE_Assign2_DeptEmp_JDBC ▶ 🛅 Deployment Descriptor: Antra_JavaEE_Assign2_DeptEmp_JDBC ▶ № JAX-WS Web Services ▼ 🌁 Java Resources ▼ 🌁 src ▼ ⊕ net.antra.deptemp.businessLogic ▶ DepartmentService.java ImployeeService.java ▼ ⊕ net.antra.deptemp.entity Department.java AddEmpServlet.java ▶ D LoggedInServlet.java ▶ DoginServlet.java ▶ D LogoutServlet.java met.antra.deptemp.utility ▶ JDBCUtility.java ▶ **■**\ Libraries ▶ ➡ JavaScript Resources ▶ 👣 Deployed Resources build ▼ 🌦 WebContent ▼ 🌦 WEB-INF 🗁 lib ▼ 🎥 views 屆 addDepartment.jsp 剧 addEmployee.jsp 🔊 success.jsp web.xml

Login Page:



Home Page:



C+Logout

Welcome DONGYUE

Add Department

Add Employee

Existing Department List

Department ID	Department Name	Department Email	Employee
14	Hr	HR@gmail.com	Dawei Zhuang 1 Jek Kl 11
19	asd	asd@fd.sd	JavaGuy hellp 1

Add new department page:



Welcome DONGYUE

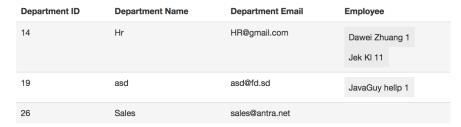
Add New Department Department Name: Enter DeptName

Department Email:



Enter DeptEmail

Existing Department List

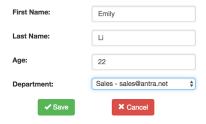


Add new Employee Page:



Welcome DONGYUE

Add New Employee



Existing Employee List

Employee ID	First Name	Last Name	Age	Department
1	Dawei	Zhuang	1	Hr
2	Jek	KI	11	Hr
3	JavaGuy	hellp	1	asd

Home Page:



C+Logout

Welcome DONGYUE

Add Department

Add Employee

Existing Department List

Department ID	Department Name	Department Email	Employee
14	Hr	HR@gmail.com	Dawei Zhuang 1 Jek Kl 11
19	asd	asd@fd.sd	JavaGuy hellp 1
26	Sales	sales@antra.net	Emily Li 22