CS 550 JDBC Project

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Configuration: Eclipse EE IDE for windows 10, tomcat 9.0 server, java JDK 11.0.2, required ojdbc8 and project jar files, GMU VPN.

Part 1:

Code included in the project, check "EmployeeDetails.java" file. Video of execution included too.

Part 2:

Video of execution included.

Execution starts with deploying the project via tomcat server. It first asks for the manager's ssn.

if incorrect ssn is inputted. It displays error.

After inputing correct manager's ssn, it display's a add employee form page, where there are several fields to enter employee info.

There's a checkbox, when selected, requests to add the dependent information.

after clicking on the add button, a list of employees is seen.

Here projects, dependent and report of all the employees are visible.

Now, going on our entry, we can add dependent and projects and generate reports

Extra credit:

Video of execution included with part 2

when adding the project to the employee's report it asks for the no. of hours which is limited to 40 in the drop down menu. (Assume 37 is selected)

When adding another project of the same department it only displays upto 3 hours(40-37)

If both of the above projects are of same department, it does not allow to add another project of the same department.
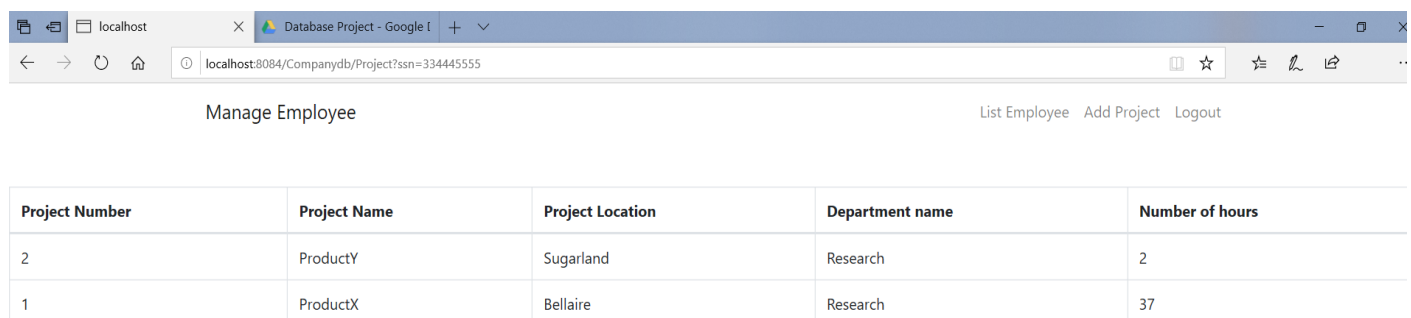
When inserting a new employee, it asks for the department to which they will be assigned

Google drive link for videos:

https://drive.google.com/drive/folders/12C2xLTopVnGjDE_xewS_qaDnRJU9ydFl?usp=sharing

Screenshots:

(Hours<40, project from same department, final report)

Project Number	Project Name	Project Location	Department name	Number of hours
2	ProductY	Sugarland	Research	2
1	ProductX	Bellaire	Research	37

Employee Management

List of Employees   Logout

Add Project

First Name   abhi

Last Name   bodas

Department   Research

Hours worked   39 hours

Project
Newbenefits
Computerization
Reorganization

Hours

Add

Employee Management

List of Employees   Logout

Add Project

First Name   abhi

Last Name   bodas

Department   Research

Hours worked   39 hours

Project   Newbenefits

Hours   1

Add

localhost:8084/Companydb/Report?ssn=334445555

Employee Management

List of Employees   Logout

Employee details

First Name	abhi
Last Name	bodas
SSN	334445555
D.O.B.	2020-01-17 00:00:00.0
Department	Research

Dependent details

Dependent Name	dependent sex	dependent birthday	relationship
M	ab	2020-04-17 00:00:00.0	son
M	shek bodas	2020-02-20 00:00:00.0	brother

D.O.B.	2020-01-17 00:00:00.0
Department	Research

Dependent details

Dependent Name	dependent sex	dependent birthday	relationship
M	ab	2020-04-17 00:00:00.0	son
M	shek bodas	2020-02-20 00:00:00.0	brother

Project details

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