*Term Project*

*Winter 2023*

*Instructor: Faisal Khan*

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1-Use Documentation Comments where needed and use Javadoc to create HTML files for documentation.

2-In your project src folder add this word document with all your group members names and paste the screen shots of your output after each question.

2-Right Click on your Project Folder in Eclipse, Copy Option is available. Create a copy of the Project and upload the zipped folder using Moodle.

Create a web based application using Either JSF or JSPs & Servlets . Your web application should maintain

Bank Account Records. You can use a model class BankAccount

with fields like.

Account ID, Account Type(Checking/Saving), AccouHolderName,

AccountHolderContact, AccountBalance,AccountSetupDate.

You should be able to perform all these CRUD Operations.

**Solution: Model Class**

**Graphical user interface, text, application

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**Graphical user interface, text, application

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

a)Create a Database BankAccounts for your application.

Create a table named Accounts in this database.

Insert 5 to 6 Records in this table. 10

**Solution:**

Graphical user interface, application

Description automatically generated

b) Display all the Bank Accounts in your xhtml page View or a JSP page as a table. 20

**Solution: - Code of jsp page for showing data in table format**

**Graphical user interface, text, application

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**Graphical user interface, text, application

Description automatically generated**

**Output:**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, application, table

Description automatically generated**

c) Add a new Bank Account in to the database using a button on your view page. 20

**Solution: - The button for it is “Insert Account Record”**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

d)Update an existing Bank Account using an Update button on your view page. 20

**Solution: For updating the record the button is “Update”**

Graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

e)Delete a Bank Account using a Delete button on your view page. 20

**Solution: For deleting the account info the available button is “Delete”:**

Graphical user interface, application, table

Description automatically generated

f) Use ManagedBean if using JSF with annotation and create separate DAO class for Crud operations or use a Simple Java Bean as your Model class if using JSPs and Servlets.Try to create separate methods for all crud operations. 10

**Solution: Dao Class for all crud operations:**

**Method to set up connection with database:**

A computer screen capture

Description automatically generated with medium confidence

**Method to display the record of all accounts on jsp page:**

**A screenshot of a computer

Description automatically generated with medium confidence**

**Method to insert record into database:**

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Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

Method to delete record based on id:

Graphical user interface, text, application

Description automatically generated

Method to update record based on id:

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Method for getting the info particular account:

A screenshot of a computer

Description automatically generated with medium confidence

Code of Controller:

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Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

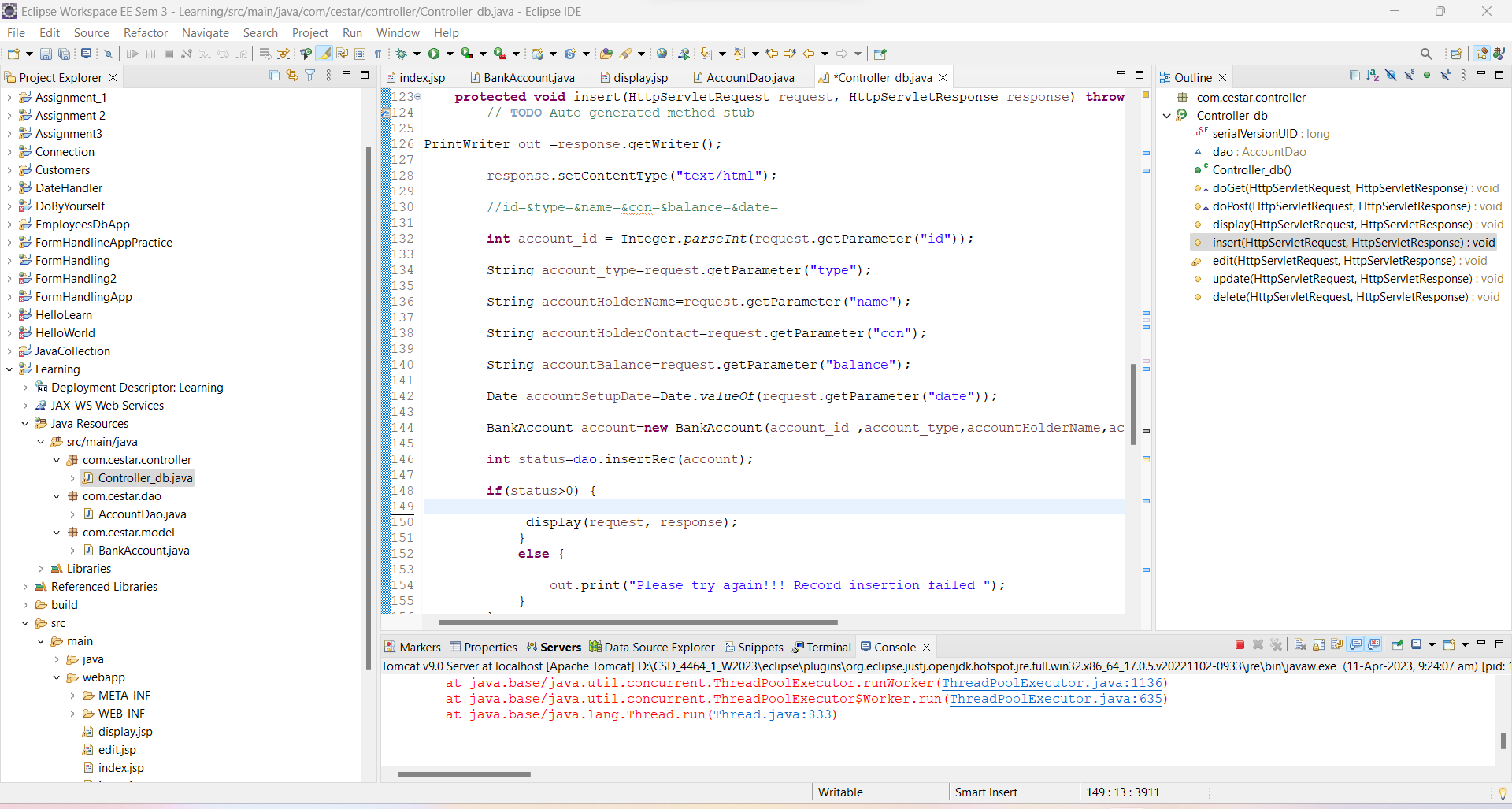
Description automatically generated

Display record method:

Graphical user interface, application

Description automatically generated

Insert Method:



Edit method for getting the record and storing that in edit form:

Graphical user interface, application

Description automatically generated

Update method to update account info:

Graphical user interface, text, application

Description automatically generated

Delete method to delete the record of account:

Graphical user interface, text, application

Description automatically generated

**Index.jsp page** :

Text, application

Description automatically generated