*Assignment 2*

*Winter 2023*

*Instructor: Faisal Khan*

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\*Solution to assignment uses code provided in Moodle Examples as base in order to follow folder structure and make use of necessary libraries for the project to run. Code is modified to comply with assignment requirements and new database connection\*

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 JSPs & Servlets

With Controller Servlet and BootStrap library, based on MVC design pattern. Your web application should maintain

A Shipping Company Client Records. You can use a model class **Client** with fields like.

**ClientID,Name,Contact,ItemShipped,Date\_Recived,Date\_Shipped**.You should be able to perform all these CRUD Operations.

a)Create a Database ShippingRecords for your application.

Create a table named clients in this database.

Insert 5 to 6 Records in this table. 10

Graphical user interface, text, application, email

Description automatically generated

b) Display all the Clients Record in your JSP page View as a table.

Graphical user interface

Description automatically generated 20

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

Graphical user interface, application

Description automatically generated

Graphical user interface, application, table

Description automatically generated

Table

Description automatically generated

d)Delete a Client Record using a Delete button on your view page.

Table

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Table

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Table

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20

e) Use BootStrap Library and a separate button to edit Record for Update operation.You have to create separate methods for all crud operations. 30

Graphical user interface

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Graphical user interface, table

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Table

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