**Section A: Create an Application with Your Name (200 Marks)**

* + 1. Develop a Java application   using your name.
    2. Set up the project structure and ensure it is well organized.

I have created a file for that in the File.

**Section B: Scene Creation for Pizza Ordering Page (100 Marks)**

* + 1. Develop a JavaFX scene for the pizza ordering page with the following components:
       - * Title of Software
         * Input fields for Customer Name and Mobile Number
         * Checkboxes for XL, L, M, S sizes
         * Input field for adding the number of toppings
         * Five buttons for CRUD operations
         * Table View to display pizza orders

A screenshot of a computer

AI-generated content may be incorrect.

**Section C: Database Design (200 Marks)**

* + 1. Design a database schema to store the following information:
       - * Customer Name
         * Mobile Number
         * Pizza Size
         * Number of Toppings
         * Total Bill

A screenshot of a computer

AI-generated content may be incorrect.

**Section D: Total Bill Calculation Functionality (200 Marks)**

* + 1. Total Bill Calculation Logic
    2. Implement the Total Bill calculation logic as follows:
       - * XL Pizza: $15.00
         * L Pizza: $12.00
         * M Pizza: $10.00
         * S Pizza: $8.00
    3. Each Topping: $1.50
    4. Add 15% HST on top of everything.
    5. Provide examples of total bill calculations for different pizza sizes and topping quantities.

A screen shot of a computer program

AI-generated content may be incorrect.

**Section E: Implement JUnit Testing for Total Bill (320 Marks)**

* + 1. Implement JUnit tests for the total bill calculation.
    2. Ensure that the calculation adheres to the specified logic and handles different scenarios.

A screenshot of a computer

AI-generated content may be incorrect.

**Section F: DAO Class and ORM Implementation (200 Marks)**

* + 1. Develop a Data Access Object (DAO) class for interacting with the database.
    2. Implement Object-Relational Mapping (ORM) techniques for seamless communication between the application and the database.

A screen shot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer code

AI-generated content may be incorrect.

For more clearance, there is code in visual studio code.

**Section G: CRUD Operations Implementation (200 Marks)**

* + 1. Implement CRUD operations for the pizza ordering page.
    2. Create: Add a new pizza order to the database.
    3. Read: Display pizza orders in the Table View.
    4. Update: Modify existing pizza orders.
    5. Delete: Remove pizza orders from the database.

For READ:

A screenshot of a computer

AI-generated content may be incorrect.

For Create:

A screenshot of a computer screen

AI-generated content may be incorrect.

When I created data it creates in sql too. It worked properly.

For Update:

A screenshot of a menu

AI-generated content may be incorrect.

I have updated phone number of Niraj.

For Delete

A screenshot of a computer

AI-generated content may be incorrect.

Delete has also successfully worked.

**Section H: GitHub and Documentation (320 Marks)**

* + - 1. Upload your JavaFX project to a GitHub repository.
      2. Create a well-documented DOCX or PDF file.
      3. Screenshots of your GUI layout with your name, student ID, and date.
      4. Screenshots of your database table structure and sample data.
      5. Screenshots of relevant portions of your code.
      6. A link to your GitHub repository.

I have it it my git link :

https://github.com/01Niraj01/Test-3