Interview Phase: 01

Start Date: 11/01/22

Duration: 14 days

End Date: 25/11/22; 11:59 pm

Please read the below scenario carefully and answer the questions.

Scenario:

A cake owner sells five different flavors of cake in his website. The name of each cake is: black forest, Vanilla cake, Red Velvet, Lemon Sponge Cake, and Chocolate Cake. To make these cakes, the owner has to pay different types of inventory cost such as raw material cost (180, 150, 220, 165, 170 for each cake pound, respectively) transportation cost (150 for each cake), utility cost (3% on material and transportation cost in total for each cake), space cost (50 for each cake) and staff cost (60 for each pound).

On the other hand, the selling price of the each cake is 780, 600, 800, 650, and 660, respectively, per pound. Due to New Year 2022, the owner gives 5% discount on first 3 cakes and 7% discount on rest of the cake. With the discount offer, Owner sells 5, 7, 10, 5, 9 pounds in total till today for each cake. Now, owner wants to calculate the below business questions using PHP and MySQL. To do it, owner hires a PHP programmer who can make software to estimate the below queries:

1. Owner wants to visualize the each cake flavor types
2. Owner wants to visualize the total inventory cost for each cake per pound
3. Owner wants to visualize the selling price before discount for each cake per pound
4. Owner wants to visualize the selling price after discount for each cake per pound
5. Owner wants to visualize the total selling price after discount for each cake till today
6. Owner wants to visualize the amount profit/loss after selling each cake till today in taka.

7. Owner wants to visualize the amount profit/loss after selling each cake till today in percentage

Task 1: Design an ERD to deploy the above requirements using PHP and MySQL

Task 2: After design the ERD, please make a dynamic web panel using PHP and MySQL, where any customer can generate above queries successfully

Please upload your task in your github repository and share the link with me at sultanmohammadsalman@gmail.com

If you have any query, please contact me at 01705644008