creative capsule

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Creative Capsule Infotech
Practical Test: Enterprise Support
Duration: - 4hours

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The main objective of these exercises is to understand your thinking process and how you would go about working on the tasks below. Due to time constraints, we understand that your answers might not be complete or reflect a final output you would have been able to produce given appropriate time or if you were working on a task in a real-life situation.

You can complete the exercises in any order, and we suggest you review all questions before starting the test.

Problem Statement

Task 1

Create a Web Based Application (preferably MVC) to allow the following operations for tracking of discount on products.

Database Tables
Products

ID
Category   -- Int value between 1 – 5
ProductName
Rate
IsActive

DiscountOffers

ID
OfferName
Category -- Int value between 1 – 5
ApplicableFrom
ApplicableTo
IsActive

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Requirements:

1) Create database
2) Create a Discount form to add / edit discount offers and associate to a category.
3) Create a page to list all the offers. Use stored procedure to fetch the data.
4) Create a Product form to add / edit Products and associate to a category.
5) Create a page to list all the products. Use stored procedure to fetch the data.
6) Create a page to associate offer to the product based on the category.

Validation:

All are mandatory fields in Product and DiscountOffers. Implement appropriate Client side and Server side validations on the input forms.

Reports:
a) Display products with discount details on each product.

Error Handling:
All errors should be handled. i.e. User should be shown a user friendly message when a error occurs and application should not crash.

Task 2

Consider a scenario where you are working as a support engineer for a company like Uber during US hours. One day, client contacts you, saying that the Google Maps feature in the app has stopped working, and it is significantly affecting their business, resulting in substantial losses. Additionally, you are the only support engineer available, with no senior colleagues around.
How would you handle this situation? Please list down the steps you would follow and the reply you would send to the client in a text file and commit the file.

--All The Best--