Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

CSE3200 (Software Development – V)

Spring – 2021

<u>Assignment - 02</u>

Marks: 20

01. Create a Product Purchase Management System with the following functionalities:
    - Create a **Log-in** form named as (**log_in**) with your name as the **username** and your id (ex: 180204001) as **passwords**
    - If the user enters all the information correctly then open a new form named **Purchase**
    - In the Purchase form, all the attributes will be the same as fig. 1. Here, the **Customer's Name** and **ID** should be fetched from the previous page
    - **Unit Price** can be at most 100 Taka and the **Amounts** per product can be from 1 to 10
    - **Currency Type** is a Dropdown box and there will be 4 currency types - Rupee, US Dollar, Canadian Dollar, Japanese Yen. User will choose the currency type. If no type is chosen, the default currency type will be Taka
    - Show the Total Price of all 5 products after converting them to desired Currency Type using the rates in the price conversion Table 1
    - **Carefully handle all possible exceptions and cases**

Equipment Purchase Form	
Customer Name:	**Product 1:** Unit Price: [ ] Amount: [ ]
	Product 2: Unit Price: [ ] Amount: [ ]
Customer ID:	**Product 3:** Unit Price: [ ] Amount: [ ]
Currency Type: [▾]	**Product 4:** Unit Price: [ ] Amount: [ ]
	Product 5: Unit Price: [ ] Amount: [ ]
Total Price	Total Price: [ ]

Fig. 1: Product Purchase Management System

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Table 1: Price Conversion Table From Taka to Desired Currency Type

Currency Type	Conversion Rate
Rupee	0.86
US Dollar	0.012
Canadian Dollar	0.015
Japanese Yen	1.22

Input Textbox:

Button: Total Price

Non-input Textbox:

Combo Box: