Module 3: Payment and Payment History Form Development

1. Database and Project Creation

    Import the pre-made SQL script given to you to your local Microsoft SQL Server database server. The database should be named **"DB_PC_XX_Module3"**, where **XX** is your PC number. Afterwards, import all the data given in the excel file.

    Create a new Visual Studio Project on your local machine named **"Project_PC_XX_Module3"**, where **XX** is your PC number.

2. Payment Form

- ✓ Display live date and time in the left corner of the form.
- ✓ Display all table that currently occupied by customer. Selecting one of the table will show the customer's order. Calculate subtotal, discount (if any), tax, and service charge.
- ✓ Sort feature can be used to sort the displayed data. Available options are: Customer (ascending), Customer (descending), Table (ascending), and Table (descending).
- ✓ Promotion code can be inputted by typing in the code. Only valid promotion code will appear in the field. Validate the minimum spent requirement and active period of the promotion. If the code is valid, then the discount will be applied to the calculation. This field can be edited or cleared.
- ✓ When the Payment button is clicked, show payment confirmation pop-up form.
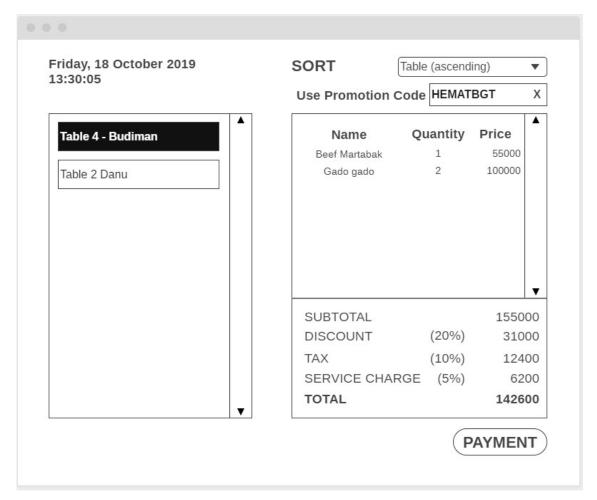
Figure 6. Payment Form

3. Payment Confirmation Form

✓ Display all required data as shown.

✓ Payment type can be chosen between (cash, debit, and credit card)

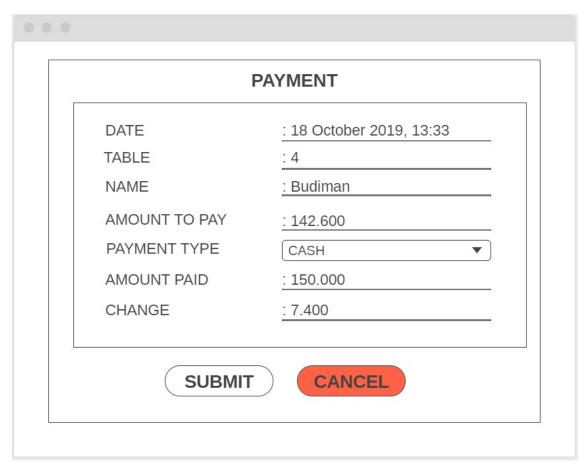✓ Clicking submit will record and finalized payment process.

PAYMENT

DATE	: 18 October 2019, 13:33
TABLE	: 4
NAME	: Budiman
AMOUNT TO PAY	: 142.600
PAYMENT TYPE	CASH ▼
AMOUNT PAID	: 150.000
CHANGE	: 7.400

SUBMIT   CANCEL

Figure 7. Payment Confirmation Form

4. **Payment History Form**
   - ✓ Initially, this form will show all transaction made that day, either paid or unpaid. Give clear sign whether a transaction is paid or not.
   - ✓ Displayed data can be filtered based on date range and payment status (Paid or unpaid).
   - ✓ When a transaction item is selected, displayed all menu ordered under the transaction. If the transaction status is paid, then show the detail payment too.

FILTER

| DATE | 18 October 2019 – 18 October 2019 | STATUS | - ▼ |

Date	Customer	Table	Status
18 October 2019	Budiman	4	Paid
18 October 2019	Budiman	2	Unpaid

Menu	Quantity	Price
Beef Martabak	1	55000
Gado gado	2	100000

SUBTOTAL		155000
DISCOUNT (**HEMATBGT**) (20%)		31000
TAX (10%)		12400
SERVICE CHARGE (5%)		6200
TOTAL		**142600**