

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 that has not made payment. Selecting one of the table will show the customer's order. Calculate price of items, subtotal, discount (if any), tax, and service charge. Tax and service charge is in fixed percentage.
- ✓ 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.

Friday, 18 October 2019
13:30:05

SORT

Table (ascending) ▼

Use Promotion Code

HEMATBGT X

Table 4 - Budiman

Table 2 Danu

Name	Quantity	Price
Beef Martabak	1	55000
Gado gado	2	100000

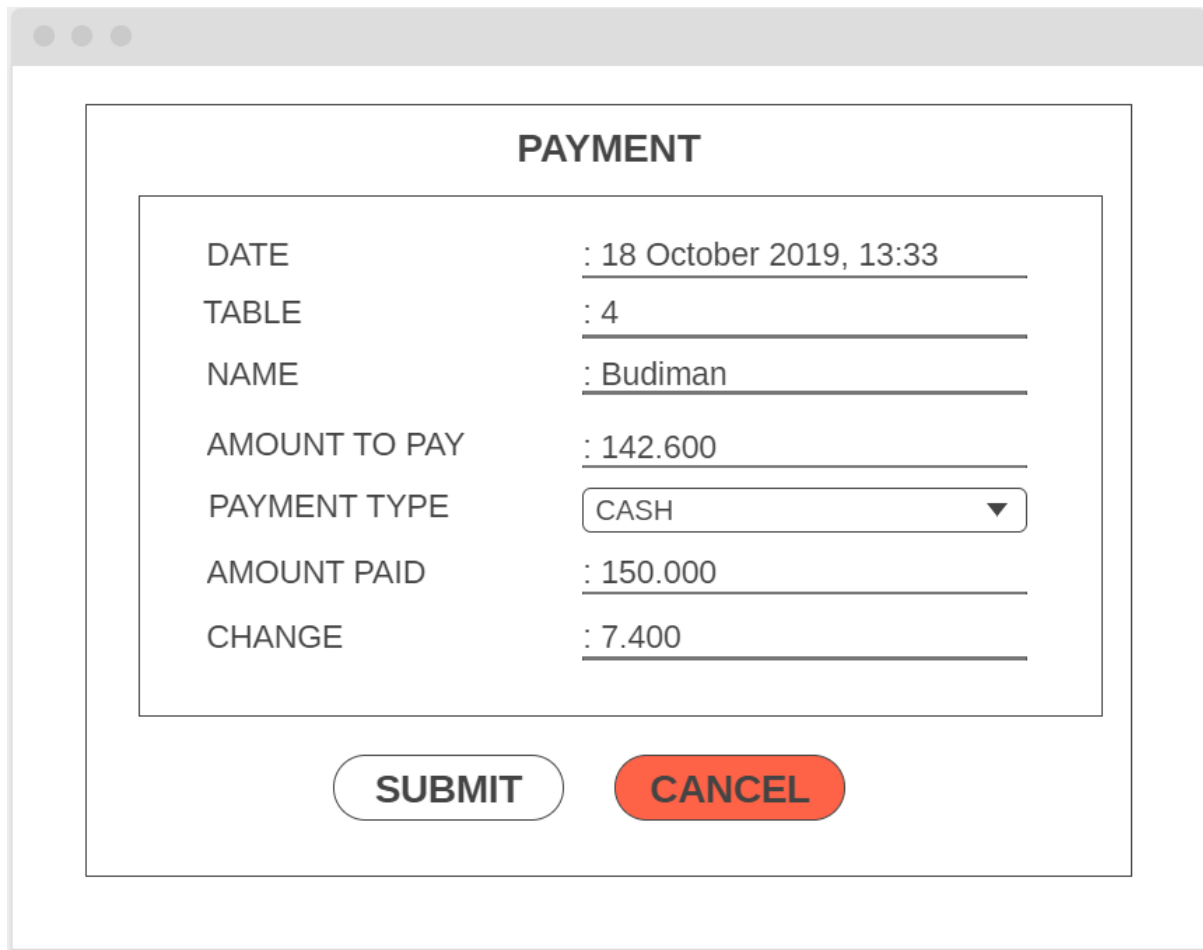
SUBTOTAL		155000
DISCOUNT	(20%)	31000
TAX	(10%)	12400
SERVICE CHARGE	(5%)	6200
TOTAL		142600

PAYMENT

Figure 6. Payment Form

3. Payment Confirmation Form

- ✓ The date and time are the current time when the form is opened
- ✓ Display all required data retrieved from the payment form. These values can be edited except amount paid (depends on payment type) and payment type.
- ✓ Payment type can be chosen between (cash, debit, and credit card). When cash payment is selected, user can insert amount paid field. The system then will calculate the change. For other payment, the amount paid field value should be the same with the amount to pay value.
- ✓ Clicking submit will record and finalized payment process, thus the table can be used for the next new customer.



A screenshot of a web browser window displaying a 'PAYMENT' confirmation form. The form is titled 'PAYMENT' in bold, uppercase letters. It contains several input fields with labels and values, and two buttons at the bottom: 'SUBMIT' and 'CANCEL'.

Label	Value
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

Buttons: SUBMIT, CANCEL

Figure 7. Payment Confirmation Form

4. Payment History Form

- ✓ Initially, this form will show all transaction made that day only, 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. Otherwise, show price estimation (subtotal only).

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