

QUEUE MANAGEMENT SYSTEM

Design and implemented by:

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INTRODUCTION

In present world suffering with very bad virus. Which is COVID-19. Because of that everyone try stay safe . WHO said stay with one meter distance with other. Also places like supermarkets where many people staying has a very big probability to spread this rapidly.

Some of the places like banks maintain a book to monitor people coming in and out to their place. If one person will get defected so that information could be very useful to track and inform the other persons to control the spread.

But most of the people nowadays are really busy with their work so a more fast and reliable method is needed to update this procedure.

OUR SOLUTION

- ▶ Our solution is to digitalize the way that we are doing now. In our method all the peoples who are coming and going will be stored in a separate database.
- ▶ No writing of books is required. We get the information from the customer , store that information in our database and provide a digital token for the customer so that he or she does not have to wait in long ques and can save their time as well.
- ▶ If an infected person is reported, the other people who came to that place can also be informed easily.
- ▶ All the personal information you are providing cannot be seen by the other persons who are coming after you, So your information is 100% safe with us.

USER INTERFACE



Data input form

Form1

PHYSIO360

Company Name

QR Code

Customer ID :

Name :

NIC No :

Mobile No :

<< >> Add New Delete

Save Close

customer No	Customer ID	NIC No	Customer name	Mobile No
*				

Generate Print

Digital token Display

Database Table

Button functions and coding

- ▶ overview

Form1.vb [Design] Form1.vb X

VB WindowsApp1 (Form1 Events)

Barcode reading library

Bill print library

Import access database

Exit button code

New data adding button code

Move to previous data button code

Move to next data button code

Data delete button code

```
1 Imports QRCode
2 Imports ZXing
3
4 Public Class Form1
5     Dim generate As New MessagingToolkit.Barcode.BarcodeEncoder
6     Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
7         'TODO: This line of code loads data into the 'Supermarket_Data_2DataSet.Table1' table. You can move, or remove it, as needed.
8         Me.Table1TableAdapter1.Fill(Me.Supermarket_Data_2DataSet.Table1)
9         'TODO: This line of code loads data into the 'Supermarket_DataDataSet.Table1' table. You can move, or remove it, as needed.
10        Me.Table1TableAdapter.Fill(Me.Supermarket_DataDataSet.Table1)
11    End Sub
12
13    References
14    Private Sub Button6_Click(sender As Object, e As EventArgs) Handles Button6.Click
15        Me.Close()
16    End Sub
17
18    References
19    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
20        Table1BindingSource1.AddNew()
21    End Sub
22
23    References
24    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
25        Table1BindingSource1.MovePrevious()
26    End Sub
27
28    References
29    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
30        Table1BindingSource1.MoveNext()
31    End Sub
32
33    References
34    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
35        Table1BindingSource1.RemoveCurrent()
36    End Sub
37
38    References
```

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```
Form1.vb [Design]  Form1.vb  X
VB WindowsApp1  (Form1 Events)  Load

33
34 References
35 Private Sub Button5_Click(sender As Object, e As EventArgs) Handles Button5.Click
36     On Error GoTo SaveErr
37     Table1BindingSource1.EndEdit()
38     Table1TableAdapter1.Update(Supermarket_Data_2DataSet.Table1)
39 SaveErr:
40     Exit Sub
41 End Sub

42 References
43 Private Sub btnGenerate_Click(sender As Object, e As EventArgs) Handles btnGenerate.Click
44     Dim writer As New BarcodeWriter
45     writer.Format = BarcodeFormat.CODE_128
46     pic.Image = writer.Write(txtinput.Text)
47 End Sub

48 References
49 Private Sub Button8_Click(sender As Object, e As EventArgs) Handles Button8.Click
50     SaveFileDialog1.ShowDialog()
51 End Sub

52 References
53 Private Sub SaveFileDialog1_FileOk(sender As Object, e As System.ComponentModel.CancelEventArgs) Handles SaveFileDialog1.FileOk
54     Try
55         Dim img As New Bitmap(pic.Image)
56         img.Save(SaveFileDialog1.FileName, Imaging.ImageFormat.Png)
57     Catch ex As Exception
58         MsgBox(ex.Message)
59     End Try
60 End Sub
61 End Class
62
```

Data saving button code

Digital Token button code

Digital token printing button code