



RAPPORT MINI PROJET

MINI PROJETATELIER DÉVELOPPEMENT
BASE DE DONNÉES

GESTION DE BOITE DE PRODUCTION

PROMOTION :

2 EME ANNÉE LICENCE APPLIQUÉE EN INFORMATIQUE

ENSEIGNANT :

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Objectifs

Pour appliquer les connaissances acquises pendant le cours « environnement développement base de données » et pour aborder les concepts des cours objets, nous sommes amenés à réaliser un projet informatique basé sur la technologie **Visual Basic (VB)**.

Description générale du projet

Pour répondre à cet objectif, l'entreprise « oneclickproduction », une boîte de production, désire mettre en place un outil de gestion pour gérer les services, et pour gérer ses employés. Les services gérés par l'entreprise sont des services dans le domaine d'audiovisuel, comme les photos, le vidéo...

Cet outil doit intégrer les fonctionnalités suivantes :

- Module d'identification : identification de compte, des gestionnaires
- Module de gestion de service : ajout/suppression de service
- Module de gestion de compte : ajout/modifier/suppression de compte
- Module de gestion de client : ajout/modifier/suppression de client
- Module statistique financière : dette/les avances

Spécifications fonctionnelles

Il est nécessaire pour agir sur l'application, de se connecter à l'application avec un identifiant et un mot de passe d'utilisateur. Afin de faciliter son utilisation et dans le but d'éviter toute mauvaise manipulation par l'application, voici la solution retenue :

Profil employé

L'employé pourra visualiser le service enregistré dans la base de données de la boîte de production. L'employé pourra passer une demande d'avance et il peut connaître le nombre de service qu'il va travailler

Profil Administrateur

- Le gestionnaire pourra gérer les produits :
- Ajout / Modification / Suppression de compte
- Ajout / Modification / Suppression de service
- Recherche service /compte/client par leur identifiant
- Imprimer un contrat d'un service donné

Spécifications techniques

Framework

On souhaite réellement s'initier au développement à l'aide de Framework. C'est pour cela que l'application sera développée à l'aide de différents Framework tels que :

- **Guna.UI :**

Sont des outils pilotés par DLL pour vous aider à créer des interfaces d'application de bureau impressionnantes. Il garantit une expérience utilisateur exceptionnelle dans vos applications et réduit le temps de développement. Les DLL sont installées dans votre environnement .NET et sont construites sur WinForms. Il permet aux développeurs de glisser-déposer

Outils utilisés

Voici les principaux outils qui seront utilisés:



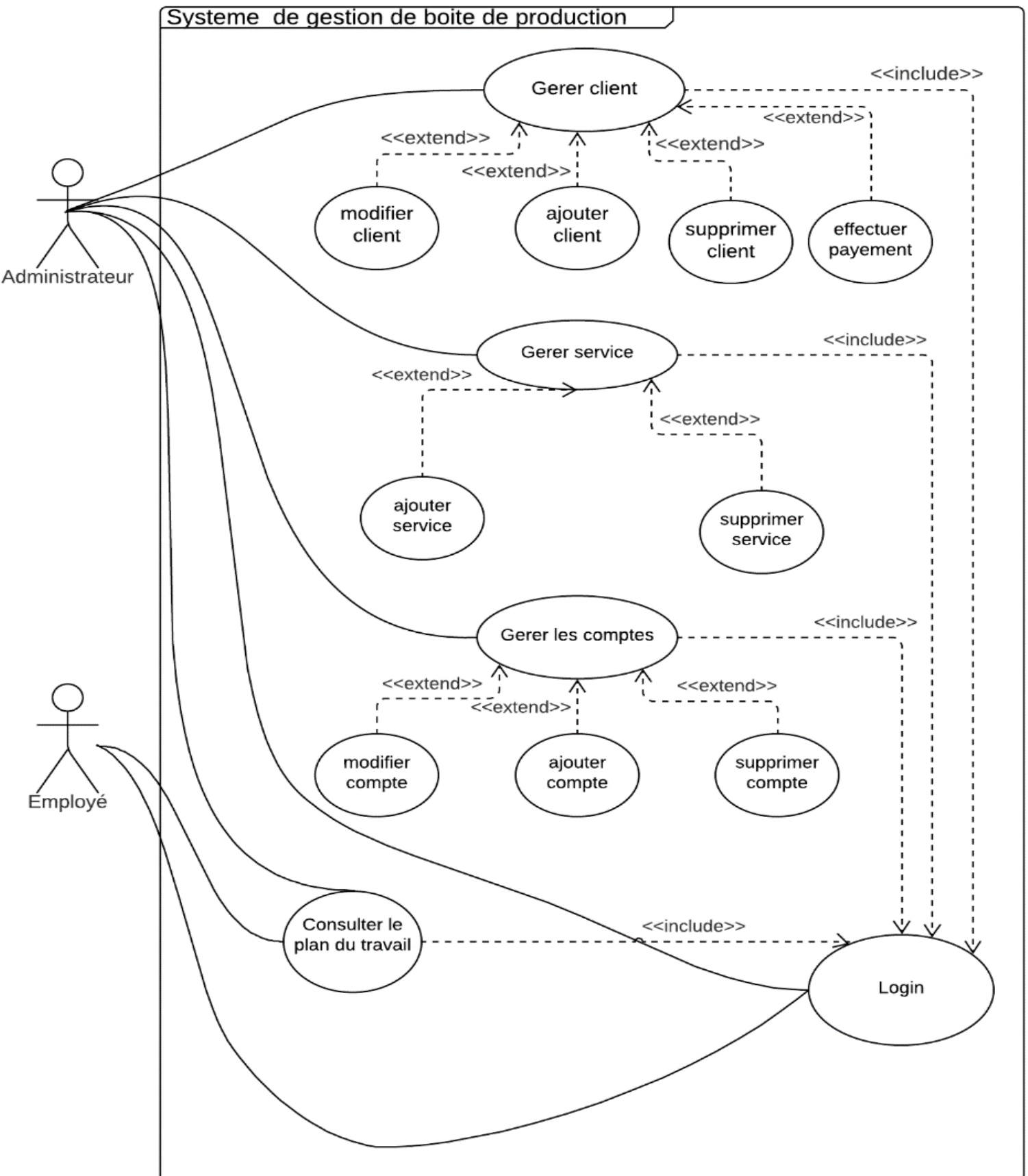
Base De Donnée Environnement De Développement

Les données de l'application

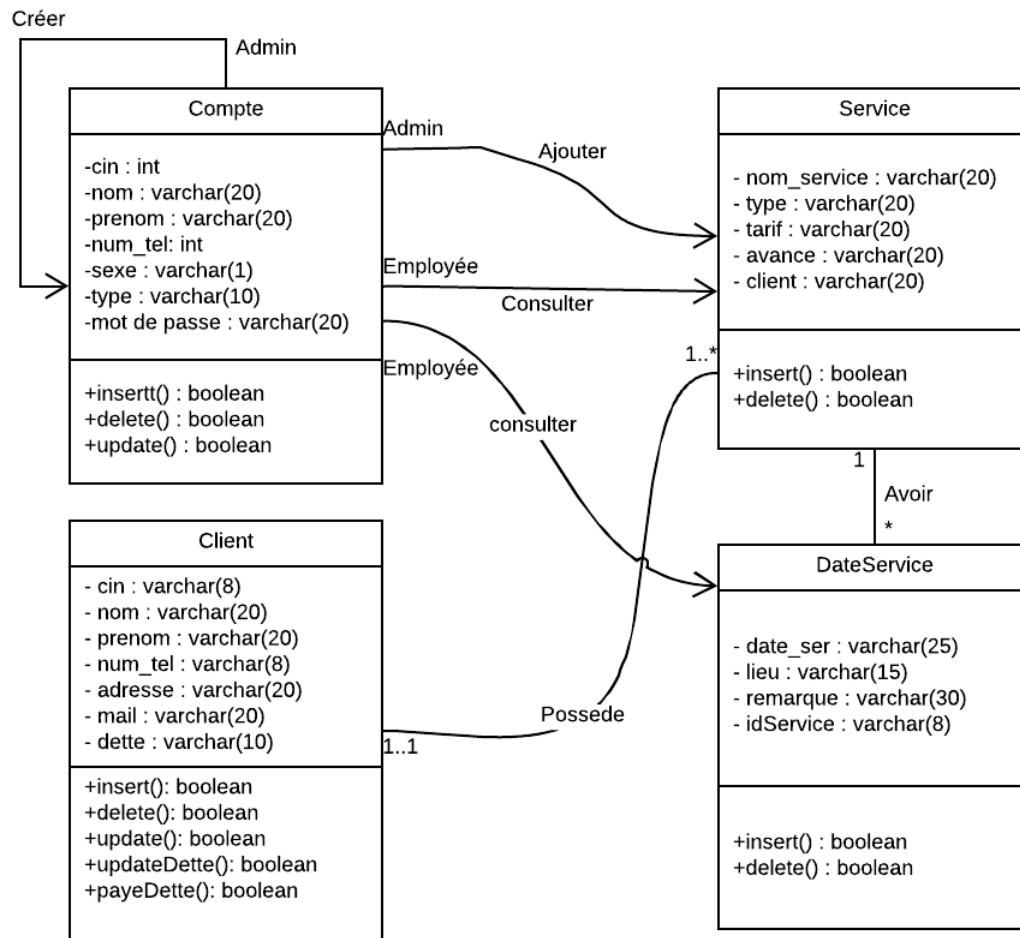
Les données de l'application seront récupérées à partir d'une base de donnée

Diagramme

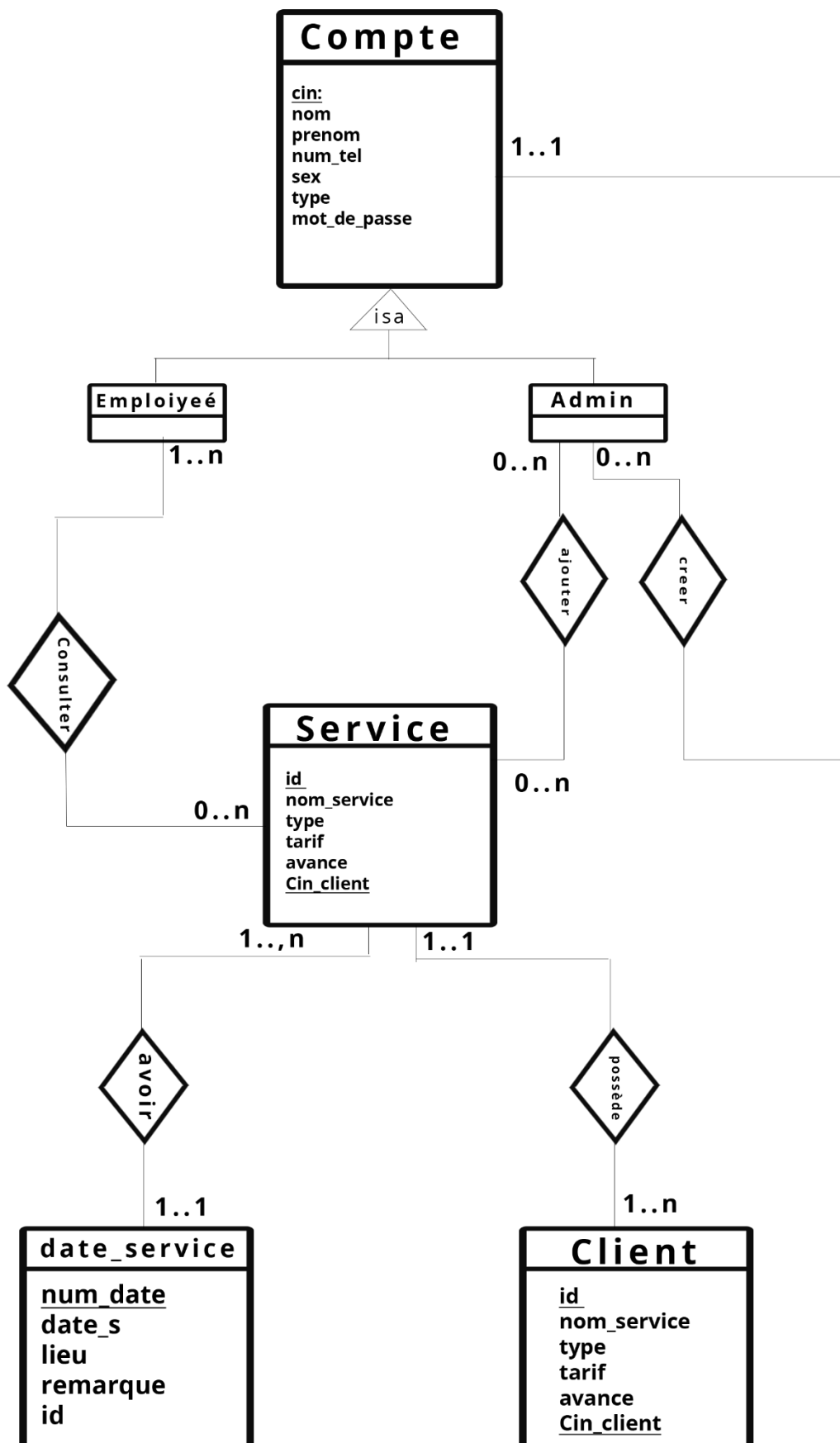
Cas d'utilisation



Classe



Entité/association



Capture d'écran

Profile Administrateur



CIN

.....

LOGIN CANCEL

[ABOUT](#) | [CONTACT](#)

AJOUTER COMPTE

Nom :

Prenom :

N°CIN :

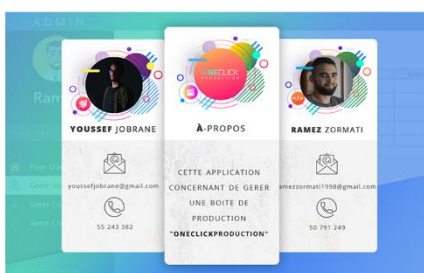
N°Téléphone :

Sexe : ☒ Homme ☐ Femme

Mot de passe :

Type :

AJOUTER



MODIFIER CLIENT

Nom :

Prenom :

Telephone :

E-mail :

Adresse :

MODIFIER

ADMIN

utilisateur Table utilisateur

Nom et Prenom	N°CIN	N°téléphone	Sexe	Type	Mot de passe
ramez ZORMATI	12344321	56345635	F	Admin	azerazer
youssef azerazer	65465465	65465465	H	Employer	azerzraera

Recherche ..

Page D'accueil

Gerer Services

Gerer Comptes

Gerer Clients

Modifier Supprimer

Ajouter

ADMIN

Les Services non Terminé

ID	Nom de service	Type	téléphone	Tarif
27	azera	thour		151515
28	zareezarzaer	thour		1212312
30	eare	thour		2122
31	zeraz	thour		4554
32	ojhpk	thour		2341
33	serv	thour		1000
34	service	thour		41551
36	servicecode	shooting		1000

Les Dates du service non terminé sélectionner

ID	Date	Date	Type	Lieu	Remarque
19	26/07/2020	12:00:00		sousse	
20	26/06/2020	12:00:00		sousse	

Modifier Annuler

Imprimer Ajouter

AJOUTER SERVICE

Nom Service :

☒ Mariage ☐ Thour ☐ Evénement ☐ Shooting

Autre Type :

Date	Lieu	Remarque
<input type="text"/>	<input type="text"/>	<input type="text"/>

Client :

N°Cin Nom

Prenom N°Telephone

Adresse expl@exmpl.com

Tarif (DTC) :

Totale Avance

AJOUTER

Capture d'écran

Code classe

Classe service

```
1 Imports System.Data.OleDb
  5 references | 0 changes | 0 authors, 0 changes
2 Public Class Service
3     Private nom_service As String
4     Private type As String
5     Private tarif As String
6     Private avance As String
7     Private client As String
8
9     2 references | 0 changes | 0 authors, 0 changes
10    Public Sub New(nom As String, type As String, tarif As String, avance As String, client As String)
11        Me.nom_service = nom
12        Me.type = type
13        Me.tarif = tarif
14        Me.avance = avance
15        Me.client = client
16    End Sub
17
18    0 references | 0 changes | 0 authors, 0 changes
19    Public Property getSetNom_serv() As String
20        Get
21            Return nom_service
22        End Get
23        Set(ByVal n As String)
24            Me.nom_service = n
25        End Set
26    End Property
27
28    0 references | 0 changes | 0 authors, 0 changes
29    Public Property getSetType() As String
30        Get
31            Return type
32        End Get
33        Set(ByVal t As String)
34            Me.type = t
35        End Set
36    End Property
37
38    0 references | 0 changes | 0 authors, 0 changes
39    Public Property getSetTarif() As String
40        Get
41            Return tarif
42        End Get
43        Set(ByVal t As String)
44            Me.tarif = t
45        End Set
46    End Property
47
48    0 references | 0 changes | 0 authors, 0 changes
49    Public Property getSetAvance() As String
50        Get
51            Return avance
52        End Get
53        Set(ByVal a As String)
54            Me.avance = a
55        End Set
56    End Property
57
58    0 references | 0 changes | 0 authors, 0 changes
59    Public Property getSetClient() As String
60        Get
61            Return client
62        End Get
63        Set(ByVal c As String)
64            Me.client = c
65        End Set
66    End Property
67 End Class
```



```

1 reference | 0 changes | 0 authors, 0 changes
59 Public Function insert(tab As Guna.UI.WinForms.GunaDataGridView, cl As Client) As Boolean
60     Dim cn As OleDbConnection = DbConnection.connect
61     cn.Open()
62
63     'AJOUTER CLIENT SI IL N EXISTE PAS SINON MISE A JOUR DETTE
64     Try
65         Dim cmdArticles1 As New OleDbCommand
66         cmdArticles1.CommandText = "Select * FROM `client` WHERE cin = " + Me.client
67         cmdArticles1.Connection = cn
68
69         Dim drArticles As OleDbDataReader = cmdArticles1.ExecuteReader
70         Dim nbClient As Boolean = False
71         While drArticles.Read
72             nbClient = True
73         End While
74         If (nbClient = False) Then
75             cl.insert()
76         Else
77             cl.updateDette(Integer.Parse(Me.tarif) - Integer.Parse(Me.avance))
78         End If
79     Catch ex As Exception
80         MessageBox.Show(" erreur AJOUTER CLIENT ")
81     End Try
82     'INSERTION SERVICE
83     Try
84
85         Dim cmdArticles2 As New OleDbCommand
86         cmdArticles2.CommandText = "INSERT INTO `service`(`nom_service`, `type`, `tarif`, `avance`, `
87         cmdArticles2.Connection = cn
88         cmdArticles2.ExecuteNonQuery()
89
90
91
92     Catch ex As Exception
93         MessageBox.Show("erreur INSERTION SERVICE : " + ex.ToString)
94         Return False
95     End Try
96     ' GET MAX ID6SERVICE DU BASE DE DONNÉE pour le ajouter dans les date comme clé étrangère
97     Dim max As Integer
98     Try
99
100         Dim cmdArticles3 As New OleDbCommand
101         cmdArticles3.CommandText = "SELECT MAX(`id`) FROM service "
102         cmdArticles3.Connection = cn
103
104         Dim drArticles As OleDbDataReader = cmdArticles3.ExecuteReader
105         drArticles.Read()
106         max = drArticles.GetValue(0)
107         cn.Close()
108     Catch ex As Exception
109         MessageBox.Show(" GET MAX ERROR : " + ex.ToString)
110         Return False
111     End Try
112     'INSERRER TOUT LES DATE DU SERVICE
113     Dim i As Integer = 0
114     Dim date_s, lieu, remarque As String
115     While (i < tab.Rows.Count)
116         date_s = tab.Rows(i).Cells(0).Value
117         lieu = tab.Rows(i).Cells(1).Value
118         remarque = tab.Rows(i).Cells(2).Value
119         Dim dat As DateService = New DateService(date_s, lieu, remarque, max)
120         If Not (dat.insert()) Then
121             Return False
122         End If
123         i = i + 1
124     End While
125
126     Return True
127 End Function

```

```

128      0 references | 0 changes | 0 authors, 0 changes
129      Public Function delete(data As String) As Boolean
130          Dim cn As OleDbConnection = DbConnection.connect
131          cn.Open()
132
133          Try
134              Dim cmdArticles As New OleDbCommand
135              cmdArticles.CommandText = "DELETE FROM `service` WHERE id = " + data
136              cmdArticles.Connection = cn
137              cmdArticles.ExecuteNonQuery()
138              cn.Close()
139              Return True
140          Catch ex As Exception
141              MessageBox.Show("          " + ex.ToString)
142              Return False
143          End Try
144
145      End Function
146  End Class
147

```

Classe DateService

```

1      Imports System.Data.OleDb
2      3 references | 0 changes | 0 authors, 0 changes
3      Public Class DateService
4          Private date_ser As String
5          Private lieu As String
6          Private remarque As String
7          Private idService As String
8
9      1 reference | 0 changes | 0 authors, 0 changes
10     Public Sub New(date_ser As String, lieu As String, remarque As String, id_service As String)
11         Me.date_ser = date_ser
12         Me.lieu = lieu
13         Me.remarque = remarque
14         Me.idService = id_service
15     End Sub
16
17     0 references | 0 changes | 0 authors, 0 changes
18     Public Property getSetDate_ser() As Integer
19         Get
20             Return date_ser
21         End Get
22         Set(ByVal date_ser As Integer)
23             Me.date_ser = date_ser
24         End Set
25     End Property
26
27     0 references | 0 changes | 0 authors, 0 changes
28     Public Property getSetLieu() As String
29         Get
30             Return Me.lieu
31         End Get
32         Set(ByVal l As String)
33             Me.lieu = l
34         End Set
35     End Property
36
37     0 references | 0 changes | 0 authors, 0 changes
38     Public Property getSetRemarque() As String
39         Get
40             Return remarque
41         End Get
42         Set(ByVal re As String)
43             Me.remarque = re
44         End Set
45     End Property
46
47     0 references | 0 changes | 0 authors, 0 changes
48     Public Property getSetId_service() As String
49         Get
50             Return idService
51         End Get
52         Set(ByVal i As String)
53             Me.idService = i
54         End Set
55     End Property
56

```

1 reference | 0 changes | 0 authors, 0 changes

```
51 Public Function insert() As Boolean
52     Dim cn As OleDbConnection = DbConnection.connect
53     cn.Open()
54
55     Try
56         Dim cmdArticles As New OleDbCommand
57         cmdArticles.CommandText = "INSERT INTO `date_service`(`date_s`, `lieu`, `remarque`, `id_service`)
58             VALUES ('" + date_ser + "','" + lieu + "','" + remarque + "','" + idService + "')"
59         cmdArticles.Connection = cn
60         cmdArticles.ExecuteNonQuery()
61         cn.Close()
62         Return True
63     Catch ex As Exception
64         MessageBox.Show(" DATE  ERROR : " + ex.ToString)
65         Return False
66     End Try
67 End Function
68
```

0 references | 0 changes | 0 authors, 0 changes

```
69 Public Function delete(data As String) As Boolean
70     Dim cn As OleDbConnection = DbConnection.connect
71     cn.Open()
72
73     Try
74         Dim cmdArticles As New OleDbCommand
75         cmdArticles.CommandText = "DELETE FROM `date_service` WHERE id_service = " + data
76         cmdArticles.Connection = cn
77         cmdArticles.ExecuteNonQuery()
78         cn.Close()
79         Return True
80     Catch ex As Exception
81         Return False
82     End Try
83
84 End Function
85 End Class
86
```

Classe Client

```
1 Imports System.Data.OleDb
  14 references | 0 changes | 0 authors, 0 changes
2 Public Class Client
3
4
5     Private cin As String
6     Private nom As String
7     Private prenom As String
8     Private num_tel As String
9     Private adresse As String
10    Private mail As String
11    Private dette As String
12
13    4 references | 0 changes | 0 authors, 0 changes
14    Public Sub New(cin As String, nom As String, prenom As String, num_tel As String, adresse
15        Me.cin = cin
16        Me.nom = nom
17        Me.prenom = prenom
18        Me.num_tel = num_tel
19        Me.adresse = adresse
20        Me.mail = mail
21        Me.dette = dette
22    End Sub
23
24    1 reference | 0 changes | 0 authors, 0 changes
25    Public Property getSetCin() As Integer
26    Get
27        Return cin
28    End Get
29    Set(ByVal cin As Integer)
30        Me.cin = cin
31    End Set
32    End Property
33
34    2 references | 0 changes | 0 authors, 0 changes
35    Public Property getSetNom() As String
36    Get
37        Return Me.nom
38    End Get
39    Set(ByVal nom As String)
40        Me.nom = nom
41    End Set
42    End Property
43
44    1 reference | 0 changes | 0 authors, 0 changes
45    Public Property getSetPrenom() As String
46    Get
47        Return prenom
48    End Get
49    Set(ByVal prenom As String)
50        Me.prenom = prenom
51    End Set
52    End Property
53
54    1 reference | 0 changes | 0 authors, 0 changes
55    Public Property getSetTel() As String
56    Get
57        Return num_tel
58    End Get
59    Set(ByVal num_tel As String)
60        Me.num_tel = num_tel
61    End Set
62    End Property
```

```

58      1 reference | 0 changes | 0 authors, 0 changes
59      Public Property getSetAdresse() As String
60          Get
61              Return adresse
62          End Get
63          Set(ByVal ad As String)
64              Me.adresse = ad
65          End Set
66      End Property

67      1 reference | 0 changes | 0 authors, 0 changes
68      Public Property getSetMail() As String
69          Get
70              Return mail
71          End Get
72          Set(ByVal mail As String)
73              Me.mail = mail
74          End Set
75      End Property

76      2 references | 0 changes | 0 authors, 0 changes
77      Public Property getSetDette() As String
78          Get
79              Return dette
80          End Get
81          Set(ByVal d As String)
82              Me.dette = d
83          End Set
84      End Property

85
86
87      1 reference | 0 changes | 0 authors, 0 changes
88      Public Function insert() As Boolean
89          Dim cn As OleDbConnection = DbConnection.connect
90          cn.Open()
91
92          Try
93              Dim cmdArticles As New OleDbCommand
94              cmdArticles.CommandText = "INSERT INTO `client`(`cin`, `nom`, `prenom`, `num_tel`, `")
95              cmdArticles.Connection = cn
96              cmdArticles.ExecuteNonQuery()
97              'cn.Close()
98              Return True
99          Catch ex As Exception
100              Return False
101          End Try
102      End Function

103      0 references | 0 changes | 0 authors, 0 changes
104      Public Function delete(data As String) As Boolean
105          Dim cn As OleDbConnection = DbConnection.connect
106          cn.Open()
107
108          Try
109              Dim cmdArticles As New OleDbCommand
110              cmdArticles.CommandText = ""
111              cmdArticles.Connection = cn
112              cmdArticles.ExecuteNonQuery()
113              cn.Close()
114              Return True
115          Catch ex As Exception
116              Return False
117          End Try
118      End Function

```

```

120 1 reference | 0 changes | 0 authors, 0 changes
121 Public Function update() As Boolean
122     Dim cn As OleDbConnection = DbConnection.connect
123     cn.Open()
124
125     Try
126         Dim cmdArticles As New OleDbCommand
127         cmdArticles.CommandText = "UPDATE `client` SET `nom`='" + nom + "',`prenom`='" + prenom
128         cmdArticles.Connection = cn
129         cmdArticles.ExecuteNonQuery()
130         cn.Close()
131         Return True
132     Catch ex As Exception
133         Return False
134     End Try
135 End Function
136
137 1 reference | 0 changes | 0 authors, 0 changes
138 Public Function updateDette(det As Integer) As Boolean
139     Dim cn As OleDbConnection = DbConnection.connect
140     cn.Open()
141
142     Try
143         Dim cmdArticles As New OleDbCommand
144         cmdArticles.CommandText = "UPDATE `client` SET `dette` = `dette` + " + det.ToString + "
145         cmdArticles.Connection = cn
146         cmdArticles.ExecuteNonQuery()
147         ' cn.Close()
148         Return True
149     Catch ex As Exception
150         'sMessageBox.Show("*****" + ex.ToString)
151         Return False
152     End Try
153 End Function
154
155 1 reference | 0 changes | 0 authors, 0 changes
156 Public Function payeDette(det As Integer) As Boolean
157     Dim cn As OleDbConnection = DbConnection.connect
158     cn.Open()
159
160     Try
161         Dim cmdArticles As New OleDbCommand
162         cmdArticles.CommandText = "UPDATE `client` SET `dette` = `dette` - " + det.ToString + "
163         cmdArticles.Connection = cn
164         cmdArticles.ExecuteNonQuery()
165         ' cn.Close()
166         Return True
167     Catch ex As Exception
168         'sMessageBox.Show("*****" + ex.ToString)
169         Return False
170     End Try
171 End Function
172
173 Class

```

Classe Compte

```
1 Imports System.Data.OleDb
  15 references | 0 changes | 0 authors, 0 changes
2 Public Class Compte
3
4
5     Private cin As String
6     Private nom As String
7     Private prenom As String
8     Private num_tel As String
9     Private sexe As String
10    Private type_compte As String
11    Private password As String
12
13    5 references | 0 changes | 0 authors, 0 changes
14    Public Sub New(cin As String, nom As String, prenom As String, num_tel As String, sexe As String, type
15        Me.cin = cin
16        Me.nom = nom
17        Me.prenom = prenom
18        Me.num_tel = num_tel
19        Me.sexe = sexe
20        Me.type_compte = type
21        Me.password = pass
22    End Sub
23
24    1 reference | 0 changes | 0 authors, 0 changes
25    Public Property getSetCin() As Integer
26    Get
27        Return cin
28    End Get
29    Set(ByVal cin As Integer)
30        Me.cin = cin
31    End Set
32    End Property
33
34    2 references | 0 changes | 0 authors, 0 changes
35    Public Property getSetNom() As String
36    Get
37        Return Me.nom
38    End Get
39    Set(ByVal nom As String)
40        Me.nom = nom
41    End Set
42    End Property
43
44    1 reference | 0 changes | 0 authors, 0 changes
45    Public Property getSetPrenom() As String
46    Get
47        Return prenom
48    End Get
49    Set(ByVal prenom As String)
50        Me.prenom = prenom
51    End Set
52    End Property
53
54    1 reference | 0 changes | 0 authors, 0 changes
55    Public Property getSetTel() As String
56    Get
57        Return num_tel
58    End Get
59    Set(ByVal num_tel As String)
60        Me.num_tel = num_tel
61    End Set
62    End Property
63
64    1 reference | 0 changes | 0 authors, 0 changes
65    Public Property getSetSexe() As String
66    Get
67        Return sexe
68    End Get
69    Set(ByVal sexe As String)
70        Me.sexe = sexe
71    End Set
72    End Property
```

2 references | 0 changes | 0 authors, 0 changes

```
67 Public Property getSetType() As String
68     Get
69         Return type_compte
70     End Get
71     Set(ByVal type As String)
72         Me.type_compte = type
73     End Set
74 End Property
```

1 reference | 0 changes | 0 authors, 0 changes

```
75 Public Property getSetPass() As String
76     Get
77         Return password
78     End Get
79     Set(ByVal pass As String)
80         Me.password = pass
81     End Set
82 End Property
```

1 reference | 0 changes | 0 authors, 0 changes

```
85 Public Function insert() As Boolean
86     Dim cn As OleDbConnection = DbConnection.connect
87     cn.Open()
88
89     Try
90         Dim cmdArticles As New OleDbCommand
91         cmdArticles.CommandText = "INSERT INTO `compte`(`cin`,`nom`,`prenom`,`num_tel`,`sexe`,`typ"
92         cmdArticles.Connection = cn
93         cmdArticles.ExecuteNonQuery()
94         cn.Close()
95         Return True
96     Catch ex As Exception
97         Return False
98     End Try
99 End Function
```

1 reference | 0 changes | 0 authors, 0 changes

```
101 Public Function delete(data As String) As Boolean
102     Dim cn As OleDbConnection = DbConnection.connect
103     cn.Open()
104
105     Try
106         Dim cmdArticles As New OleDbCommand
107         cmdArticles.CommandText = "DELETE FROM `compte` WHERE cin = " + data
108         cmdArticles.Connection = cn
109         cmdArticles.ExecuteNonQuery()
110         cn.Close()
111         Return True
112     Catch ex As Exception
113         Return False
114     End Try
115
116 End Function
```

1 reference | 0 changes | 0 authors, 0 changes

```
118 Public Function update() As Boolean
119     Dim cn As OleDbConnection = DbConnection.connect
120     cn.Open()
121
122     Try
123         Dim cmdArticles As New OleDbCommand
124         cmdArticles.CommandText = "UPDATE `compte` SET `nom`='" + nom + "',`prenom`='" + prenom + "',`"
125         cmdArticles.Connection = cn
126         cmdArticles.ExecuteNonQuery()
127         cn.Close()
128         Return True
129     Catch ex As Exception
130         Return False
131     End Try
132 End Function
```

```
133
134 End Class
```

Activer Windows

2 references | 0 changes | 0 authors, 0 changes

Public Property getSetType() As String

Get

Return type_compte

End Get

Set(ByVal type As String)

Me.type_compte = type

End Set

End Property

1 reference | 0 changes | 0 authors, 0 changes

Public Property getSetPass() As String

Get

Return password

End Get

Set(ByVal pass As String)

Me.password = pass

End Set

End Property

1 reference | 0 changes | 0 authors, 0 changes

Public Function insert() As Boolean

Dim cn As OleDbConnection = DbConnection.connect

cn.Open()

Try

Dim cmdArticles As New OleDbCommand

cmdArticles.CommandText = "INSERT INTO `compte`(`cin`,`nom`,`prenom`,`num_tel`,`sexe`,`typ

cmdArticles.Connection = cn

cmdArticles.ExecuteNonQuery()

cn.Close()

Return True

Catch ex As Exception

Return False

End Try

End Function

1 reference | 0 changes | 0 authors, 0 changes

Public Function delete(data As String) As Boolean

Dim cn As OleDbConnection = DbConnection.connect

cn.Open()

Try

Dim cmdArticles As New OleDbCommand

cmdArticles.CommandText = "DELETE FROM `compte` WHERE cin = " + data

cmdArticles.Connection = cn

cmdArticles.ExecuteNonQuery()

cn.Close()

Return True

Catch ex As Exception

Return False

End Try

End Function

1 reference | 0 changes | 0 authors, 0 changes

Public Function update() As Boolean

Dim cn As OleDbConnection = DbConnection.connect

cn.Open()

Try

Dim cmdArticles As New OleDbCommand

cmdArticles.CommandText = "UPDATE `compte` SET `nom`='" + nom + "',`prenom`='" + prenom + "',`

cmdArticles.Connection = cn

cmdArticles.ExecuteNonQuery()

cn.Close()

Return True

Catch ex As Exception

Return False

End Try

End Function

End Class

Activer Windows

L'équipe



YOUSSEF JOBRANE



RAMEZ ZORMATI