

Database Management System

Group : Blade Warriors

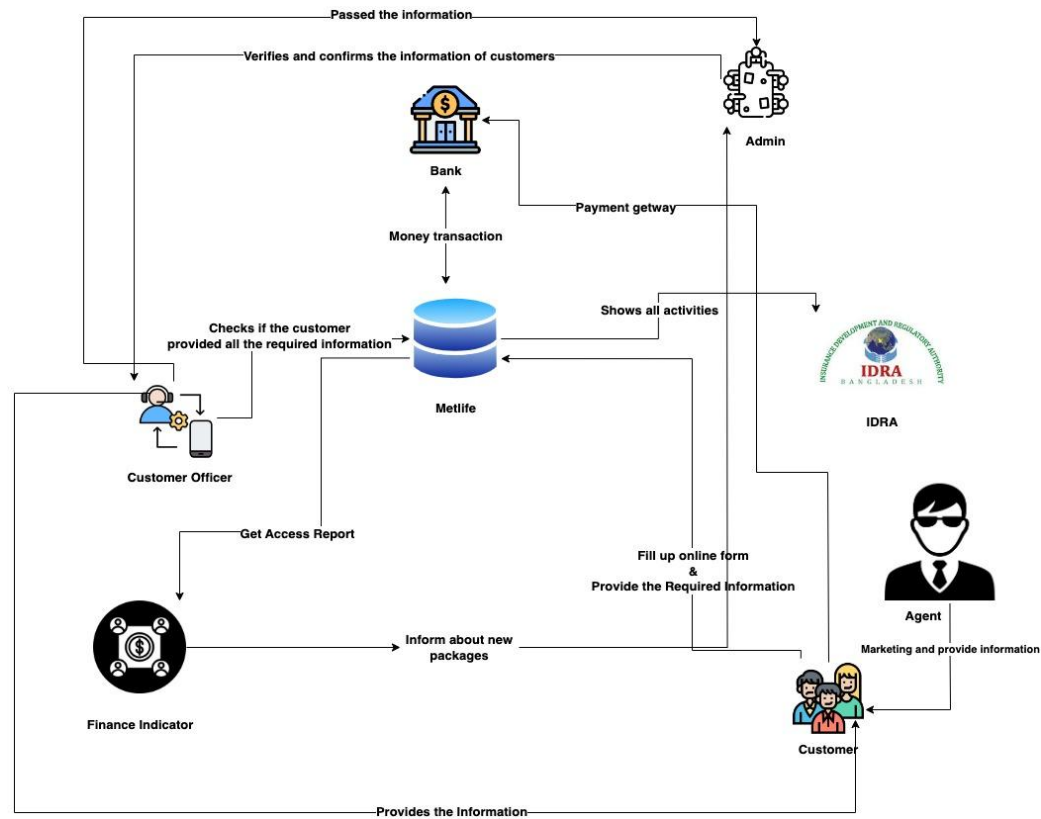
| Student ID | Name |
|----------------------|---------|
| Mohaiminul Islam | 2030815 |
| Zaber Al Mamun | 2022676 |
| Raima Haque Prema | 2031362 |
| Ridwan Mahmud Jihan | 2020536 |
| Mehenaz Faria Rahman | 2022540 |
| Rabeya Noor Tarin | 2030170 |

**Web application to help people
find affordable health insurance.**

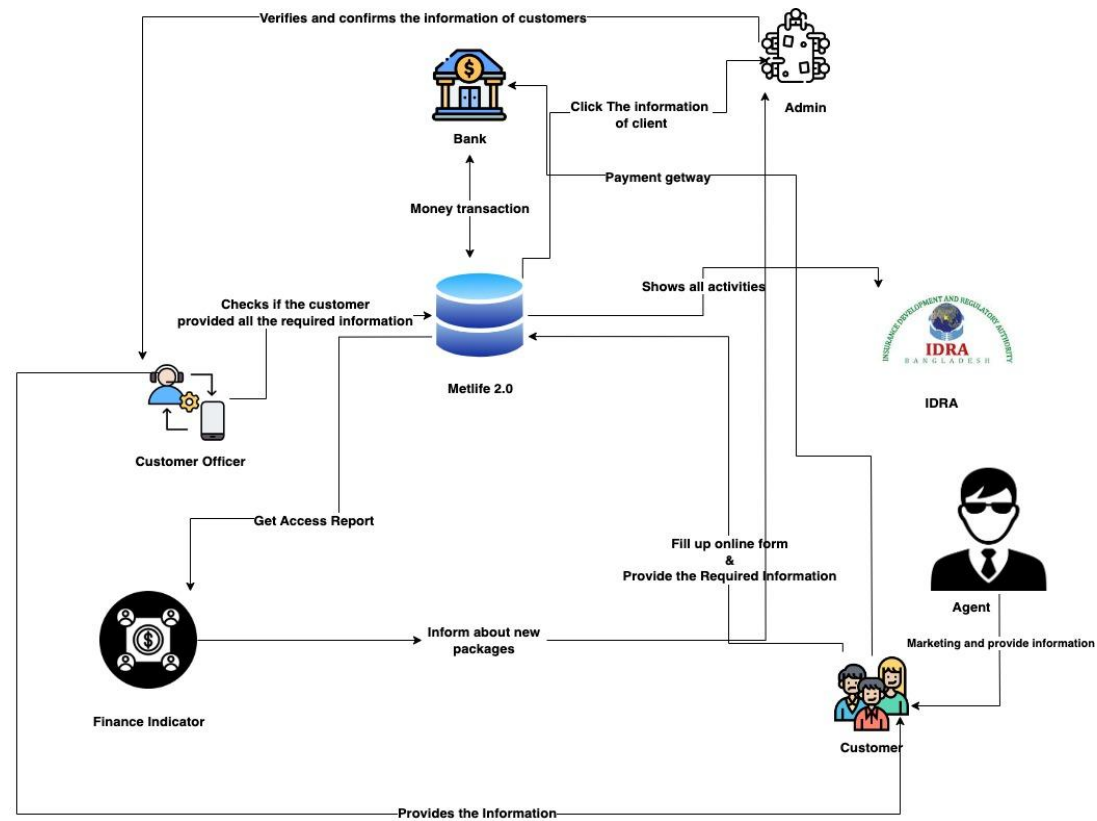
Introduction

- ▶ MetLife is a multinational insurance and financial services corporation providing a diverse range of products and solutions. Specializing in life, dental, and disability insurance, MetLife also offers retirement planning and investment services. The company serves individuals and businesses, operating globally to meet the diverse financial needs of its extensive customer base.

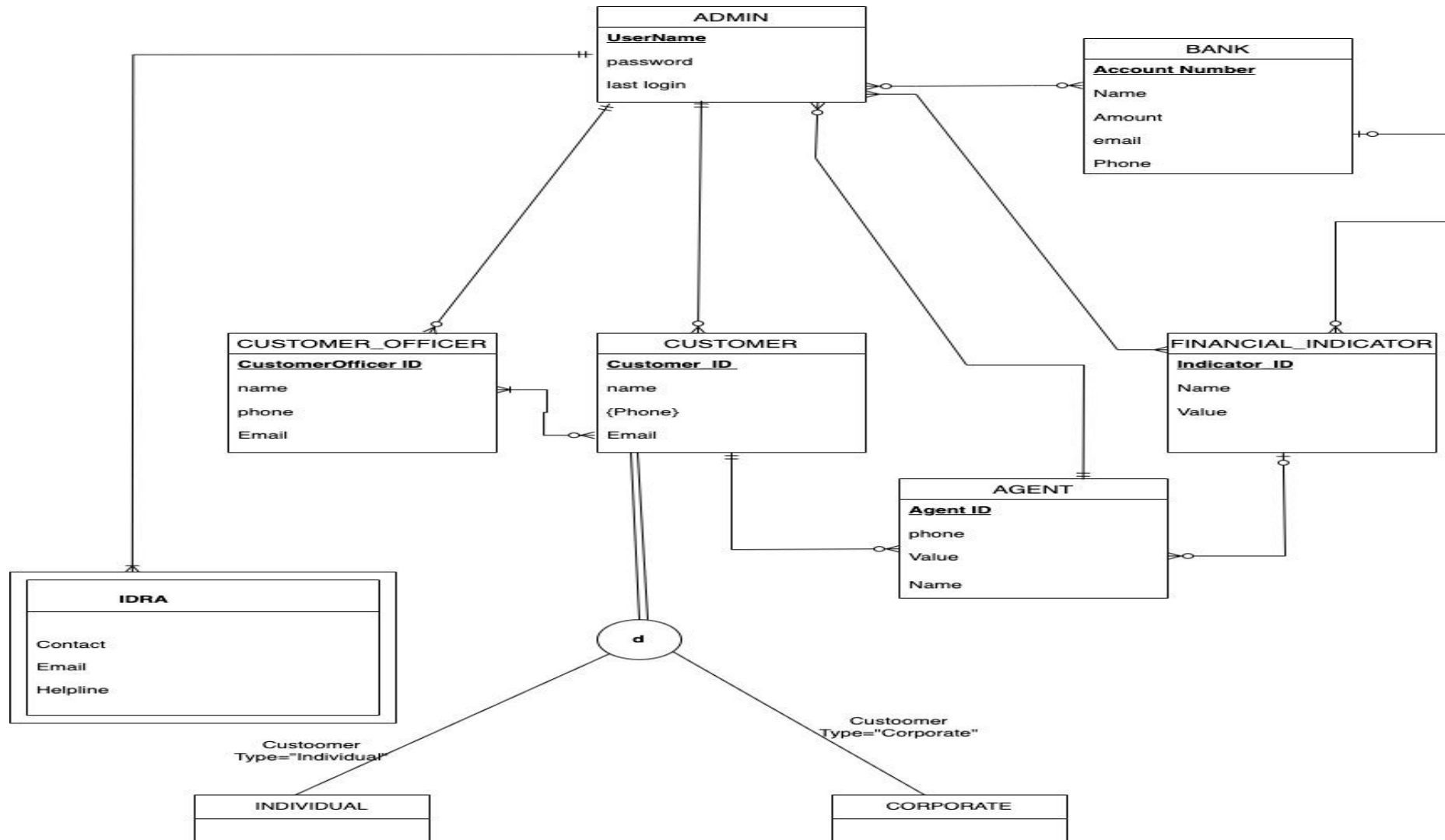
RICH PICTURE (AS-IF)



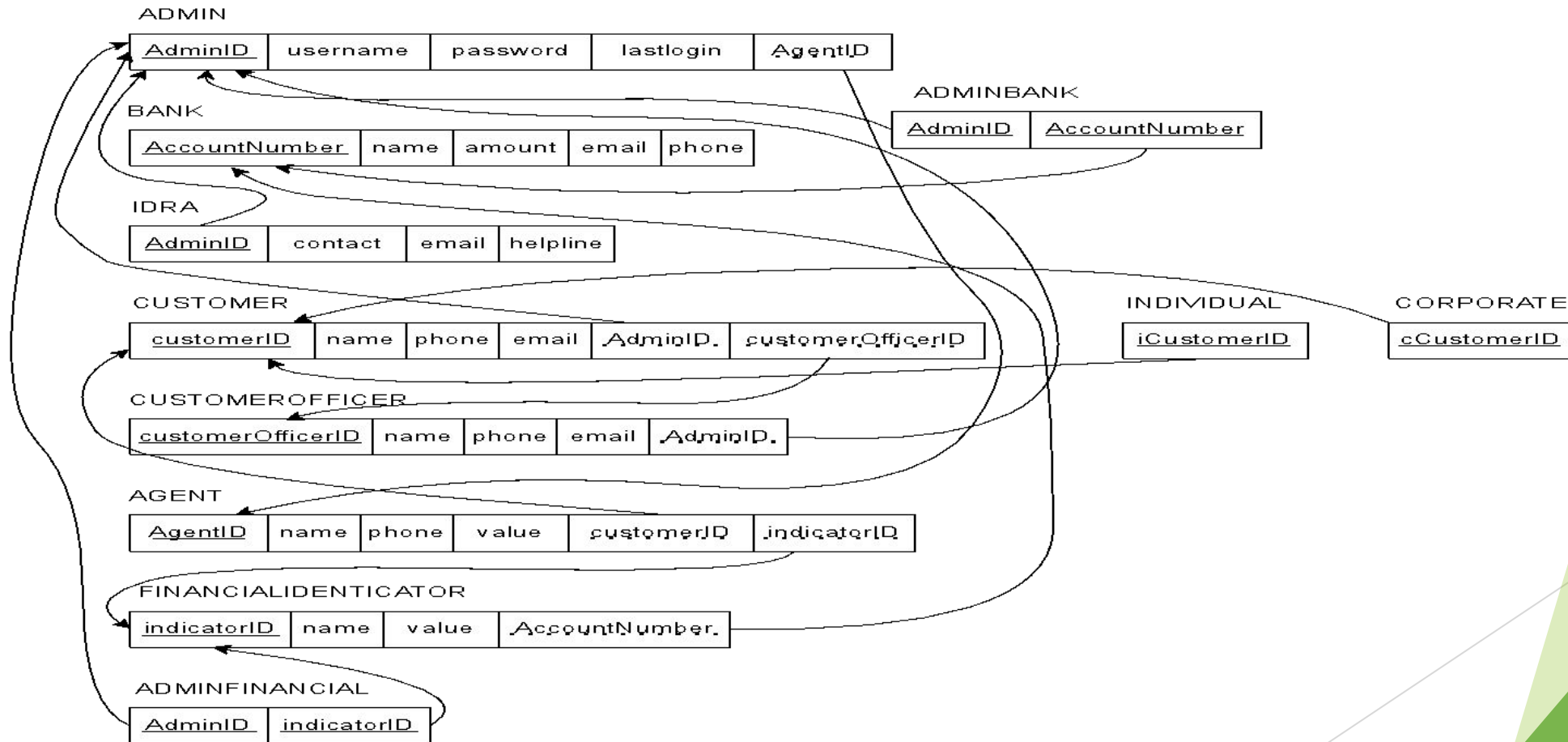
RICH PICTURE (TO-BE)



Entity Relationship Diagram



Entity Relationship Diagram To Relational Schema



Normalization

| | | | | | |
|----------|---------------------|----|---------------------|--------------------|----|
| ADMIN | adminid | a1 | Customer officer | Customer officerid | o1 |
| | username | a2 | | name | o2 |
| | password | a3 | | phone | o3 |
| | lastlogin | a4 | | email | o4 |
| | agentid | g1 | | adminid | a1 |
| BANK | account number | b1 | AGENT | agentid | g1 |
| | name | b2 | | name | g2 |
| | amount | b3 | | phone | g3 |
| | email | b4 | | value | g4 |
| | phone | b5 | | customerid | c1 |
| | customerid | c1 | | Indicator id | f1 |
| IDRA | adminID | a1 | Financial indicator | agentid | g1 |
| | contact | i1 | | Indicator id | f1 |
| | email | i2 | | name | f2 |
| | helpline | i3 | | value | f3 |
| CUSTOMER | customerid | c1 | | Account number | f4 |
| | name | c2 | ADMIN FINANCIAL | adminid | a1 |
| | phone | c3 | | indicatorid | f1 |
| | email | c4 | INDIVIDUAL | icustomerid | x1 |
| | Admin id | a1 | | customerid | c1 |
| | Customer officer id | o1 | CORPORATE | ccustomerid | y1 |
| | Account number | b1 | | customerid | c1 |

| | |
|----|-------------------|
| a1 | a2, a3,a4,g1 |
| b1 | b2, b3,b4.b5,c1 |
| a1 | i1,i2,i3 |
| c1 | c2,c3,c4,a1,o1,b1 |
| o1 | o2,o3,o4,a1 |
| g1 | g2, g3,g4,c1,f1 |
| f1 | f2,f3,f4,g1 |
| a1 | f1 |
| x1 | c1 |
| y1 | c1 |

Normalization(Continued)

1NF:

1NF:

R:

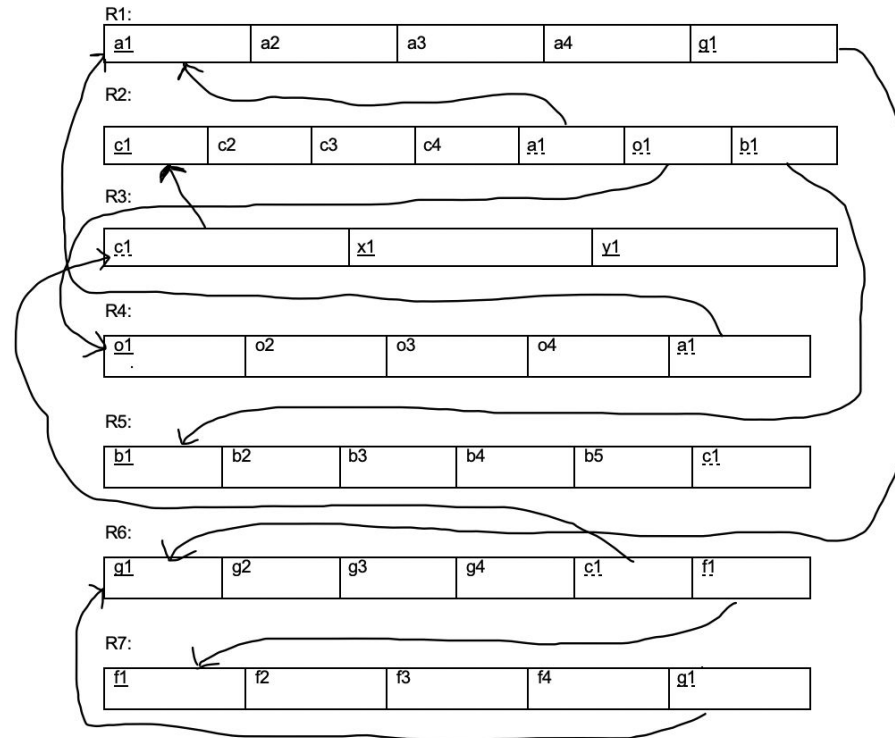
| | | | | | | | | | | | | | | | | | | | |
|-----------|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <u>a1</u> | <u>c1</u> | a2 | a3 | a4 | b1 | b2 | b3 | b4 | b5 | i1 | i2 | i3 | c2 | c3 | c4 | o1 | o2 | o3 | o4 |
|-----------|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| g1 | g2 | g3 | g4 | f1 | f2 | f3 | f4 | X1 | Y1 |
|----|----|----|----|----|----|----|----|----|----|

Normalization(Continued)

2NF:

2NF:



Normalization(Continued)

3NF:

Has no transitive dependencies.

Data Dictionary

CUSTOMER T

| Name | Data Type | Size | Remarks |
|--------------|-----------|------|--|
| CustomerID | INTEGER | 11 | This is the primary key for the Customer Table. E.g. : 0123456 |
| CustomerName | VARCHAR | 50 | This is the name of the Customer. E.g : Zaber |
| CPhone | INTEGER | 11 | This is the mobile number of the customer.E.g.:12345678910 |
| Cmail | VARCHAR | 25 | This is the email address of the Customer. E.G-Zaber00007@gmail.com |

BANK T

| Name | Data Type | Size | Remarks |
|---------------|-----------|------|--|
| AccountNumber | INTEGER | 11 | This is the primary key for the Bank Table. E.g. : 0123456 |
| BName | VARCHAR | 50 | This is the name of the Customer officer. E.g : brac, zaber bank |
| amount | INTEGER | 11 | This is the amount.E.g.:12345678910 |
| BPhone | INTEGER | 11 | This is the mobile number of the BANK.E.g.:12345678910 |

IDRA T

| Name | Data Type | Size | Remarks |
|---------------|-----------|------|--|
| ContactNumber | INTEGER | 11 | This is the Contact Number of the IDRA.E.g.:12345678910 |
| Cmail | VARCHAR | 50 | This is the email address of the IDRA. E.G-Zaber00007@gmail.com |
| HelpLINE | INTEGER | 50 | This is the Contact Number of the IDRA. E.g : Mamun |

ADMIN PANEL T

| Name | Data Type | Size | Remarks |
|---------------|-----------|------|--|
| AdminID | INTEGER | 11 | This is the primary key for the admin Table. E.g. : 0123456 |
| UserNameFirst | VARCHAR | 50 | This is the name of the admin. E.g : Zaber |
| UserNameLast | VARCHAR | 50 | This is the name of the admin. E.g : Mamun |
| Password | VARCHAR | 30 | This is the mainly use of security. E.g: Z@ber00007 |
| LastLogin | VARCHAR | 40 | Basically, username and password are used here. |

CUSTOMER OFFICER T

| Name | Data Type | Size | Remarks |
|---------------------|-----------|------|--|
| CustomerOfficerID | INTEGER | 11 | This is the primary key for the Customer officer Table. E.g. : 0123456 |
| CustomerOfficerName | VARCHAR | 50 | This is the name of the Customer officer. E.g : Zaber |
| COPhone | INTEGER | 11 | This is the mobile number of the nominee.E.g.:12345678910 |
| COmail | VARCHAR | 25 | This is the email address of the Customer Officer.E.G-Zaber00007@gmail.com |

Data Dictionary (Continued)

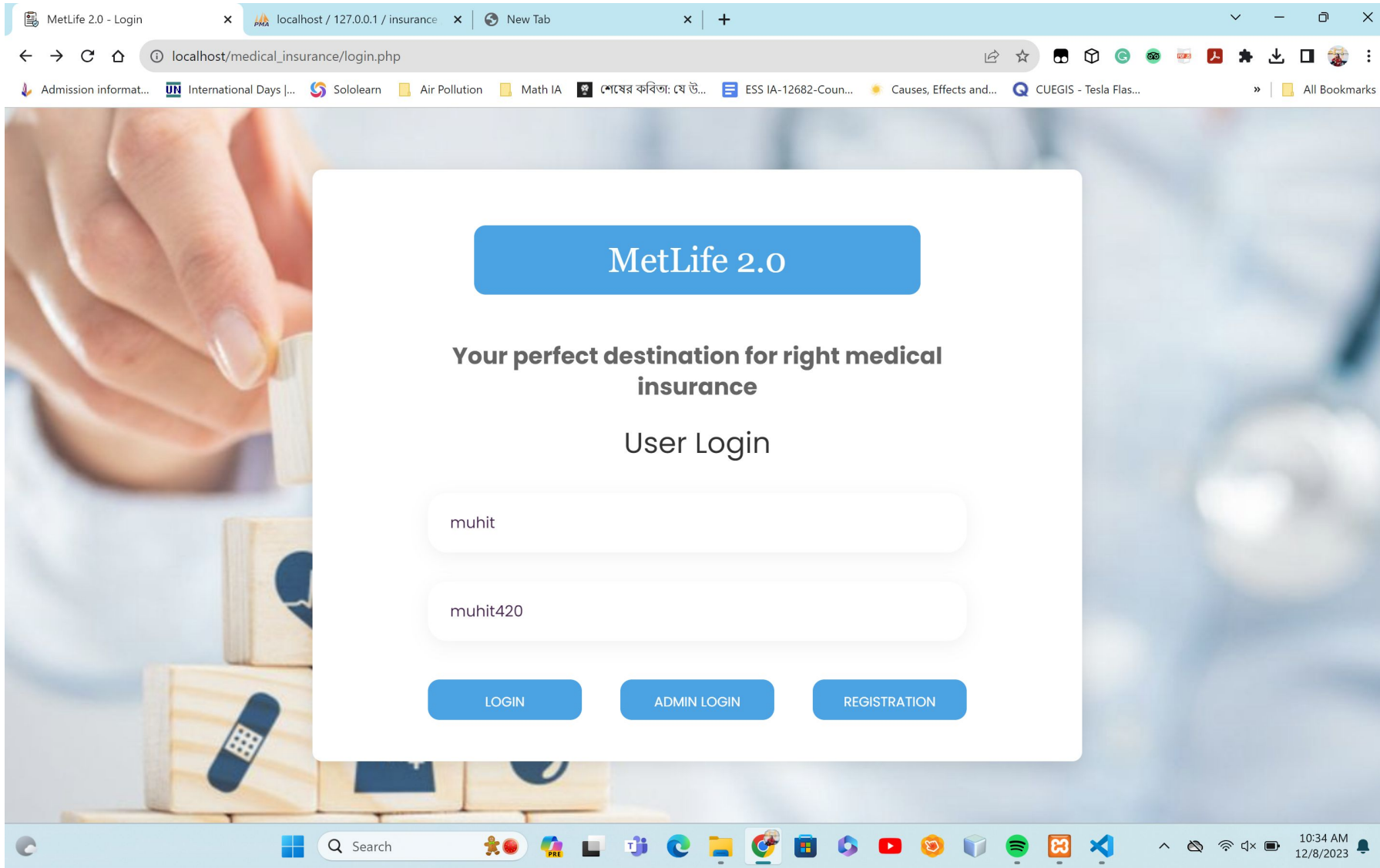
FINANCIAL IDICATOR T

| Name | Data Type | Size | Remarks |
|--------------------|-----------|------|--|
| <u>IndicatorID</u> | INTEGER | 20 | This is the primary key for the FINANCIAL IDICATOR Table. E.g. : 0123456 |
| <u>Fname</u> | VARCHAR | 50 | This is the name of the FINANCIAL IDICATOR Table. E.g : Zaber |
| <u>FValue</u> | INTEGER | 50 | This is the value amount of FINANCIAL IDICATOR Table. E.g : Mamun |

AGENT T

| Name | Data Type | Size | Remarks |
|----------------|-----------|------|---|
| <u>AgentID</u> | INTEGER | 11 | This is the primary key for the agent Table. E.g. : 0123456 |
| AName | VARCHAR | 50 | This is the name of the agent Table. E.g : Zaber |
| <u>APhone</u> | INTEGER | 11 | This is the mobile number of the agent Table.E.g.:12345678910 |
| Value | INTEGER | 25 | This is the value amount of agent Table. E.g : Mamun |

MetLife 2.0



The screenshot shows a web browser window with the address bar displaying 'localhost/medical_insurance/login.php'. The page features a white login form centered on a background image of a hand placing a wooden block with a bandage on it. The form includes a blue header with 'MetLife 2.0', a subtitle 'Your perfect destination for right medical insurance', and the title 'User Login'. There are two input fields: the first contains 'muhit' and the second contains 'muhit420'. Below the fields are three blue buttons: 'LOGIN', 'ADMIN LOGIN', and 'REGISTRATION'. The browser's taskbar at the bottom shows the time as 10:34 AM on 12/8/2023.

MetLife 2.0

Your perfect destination for right medical insurance

User Login

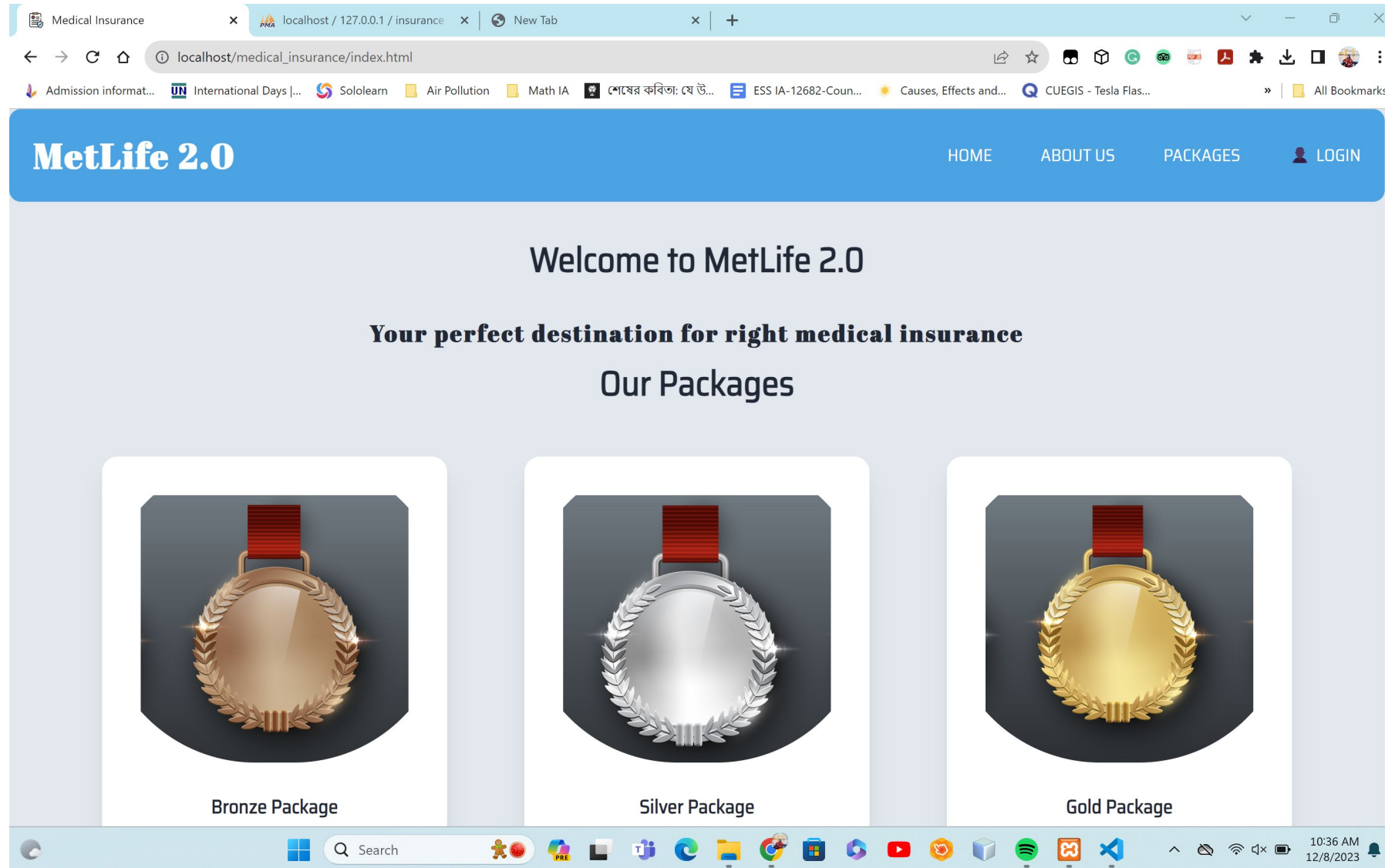
muhit

muhit420

LOGIN ADMIN LOGIN REGISTRATION

10:34 AM 12/8/2023

MetLife 2.0

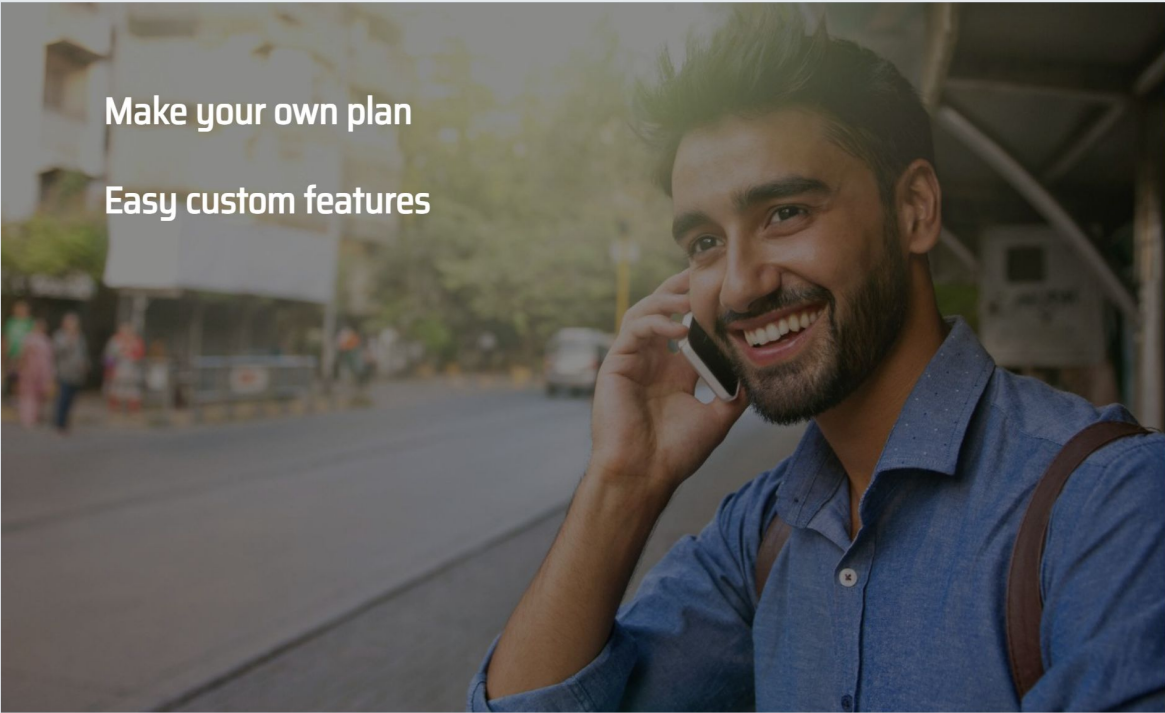


MetLife 2.0

Medical Insurance x localhost / 127.0.0.1 / insurance x New Tab

localhost/medical_insurance/index.html

Admission informat... International Days [...] Sololearn Air Pollution Math IA শেষের কবিতা: যে উ... ESS IA-12682-Coun... Causes, Effects and... CUEGIS - Tesla Flas... All Bookmarks



Make your own plan

Easy custom features

Name:

Email:

Phone:

SUBMIT



Thank you