FPT ACADEMY INTERNATIONAL
FPT – APTECH COMPUTER EDUCATION

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ONLINE BANKING

Installaion and User Guide

March, 2019

Contents

I. INTRODUCTION

- This document is created to guide users install and use the Internet banking system effectively. It is advisable that users should read this document before starting to use this system in reality.
- To run Online banking system, users need to follow the steps in our Installaion Guide.

II. SOFTWARE AND HARDWARE REQUIREMENTS

1. Hardware Requirements

Component	Requirement
Server	Processor type: Intel Core i5 or higher Processor speed: Recommended: 2.0 GHz or faster
Operating system	Microsoft Windows 10
Memory (RAM)	RAM: Minimum: 1 GB Recommended: 2.048 GB or more Maximum: Operating system maximum
Hard Drive	Free space: Minimum: 50 MB Recommended: 50 GB or more Maximum: Operating system maximum

2. Software Requirements

| Component	Requirement
.NET Framework	Version 4.6.1
Visual Studio	Visual Studio 2017 (with ASP.NET MVC templates)
Database	SQL Server 2017

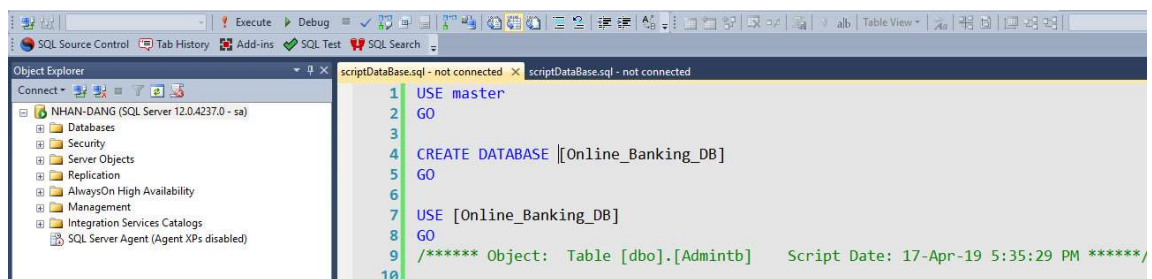## II. SETUP ONLINE BANKING SYSTEM

1. **Download file**

- Download the file rar ePRJ3_T1.1712.E0_Group5_OnlineBanking via this link:

- Extract the file rar: ePRJ3_T1.1712.E0_Group5_OnlineBanking

2. **Configurations**

- Step 1: Open SQL Server and Connect

- Step 2: File → Open → File (Crl+O)

- Step 3: Select scriptDataBase.sql in Design_T1.1712.E0_Group5_OnlineBanking\ Database →
  Click Open
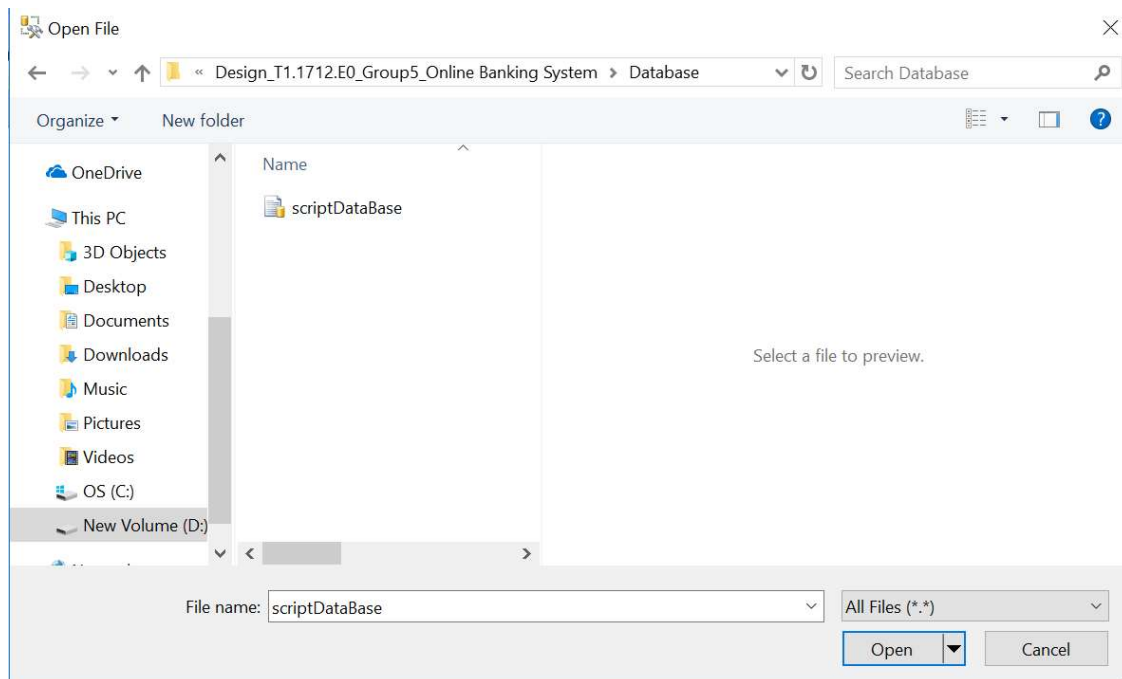
- Step 4: Execute scriptDataBase.sql to Create Online_Banking_DB Database
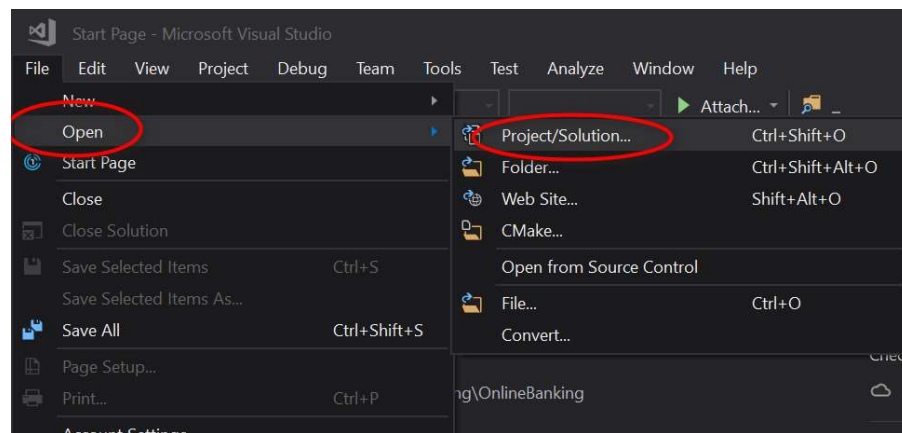 (Click Execute Button on toolbar or Press F5 on Keyboard)

- Step 5: Right click the Databases folder and refesh, database Online_Banking_DB will be shown
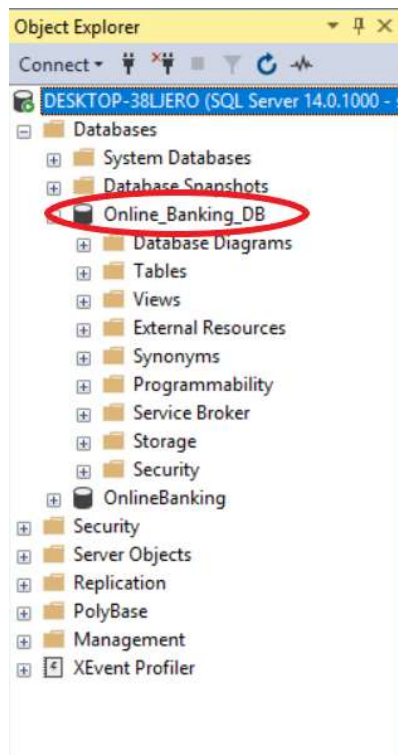
3. **Run Project Online Banking System**

   3.1 **Open Project**

- Open Visual Studio and then click File → Open → Project/Solution

- Locate Project solution file in Design_T1.1712.E0_Group5_OnlineBanking \SourceCode\OnlineBanking
- Double-click on OnlineBanking.sln in Visual Studio

3.1. Connect Database

- In Visual Studio, open Web.config and Edit connectionString

```
<connectionStrings><add   name  =  "OnlineBankingDbContext"  connectionString  =
"datasource=.;initial   catalog   =   Online_Banking_DB;user   id=sa;password=123;
MultipleActiveResultSets=True;App=EntityFramework"
providerName="System.Data.EntityClient" /></connectionStrings>
```

- Modify "connectionString"
  - datasource= [Server name]\[SQL instance name] (Example: LAPTOP-8LB1SVID\SQLEXPRESS)
  - uid: Username to log on SQL Server
  - password: Password to log on SQL Server
- In Visual Studio, Click on menu Build and select Build Solution and wait for Successful message:
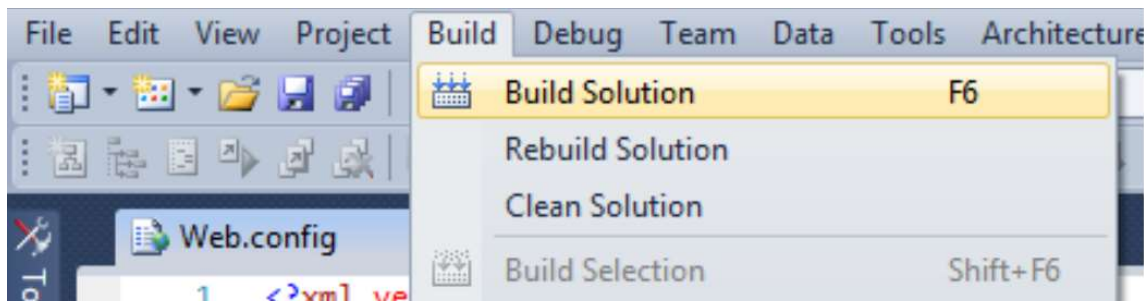
4. Publish website from Visual Studio

- In Visual Studio, click IIS Express (Google Chrome) on menu
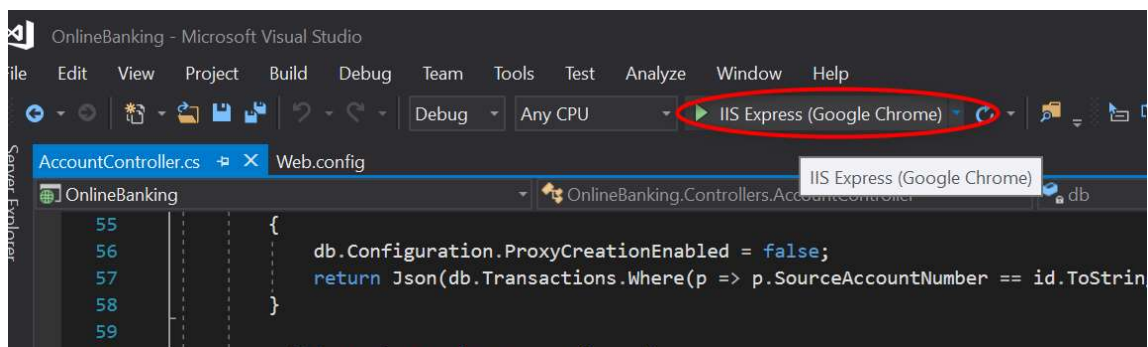
III. USER GUIDE

- After run the project, input

Login Admin: admin (password: admin)

Login Users: nhandang714@gmail.com or nhandang797@gmail.com (password: 12345 / transaction password: 12345)

I. CUSTOMER

1.1   Home
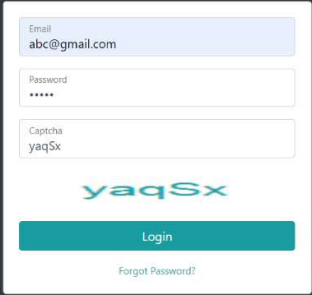
At homepage, users can:
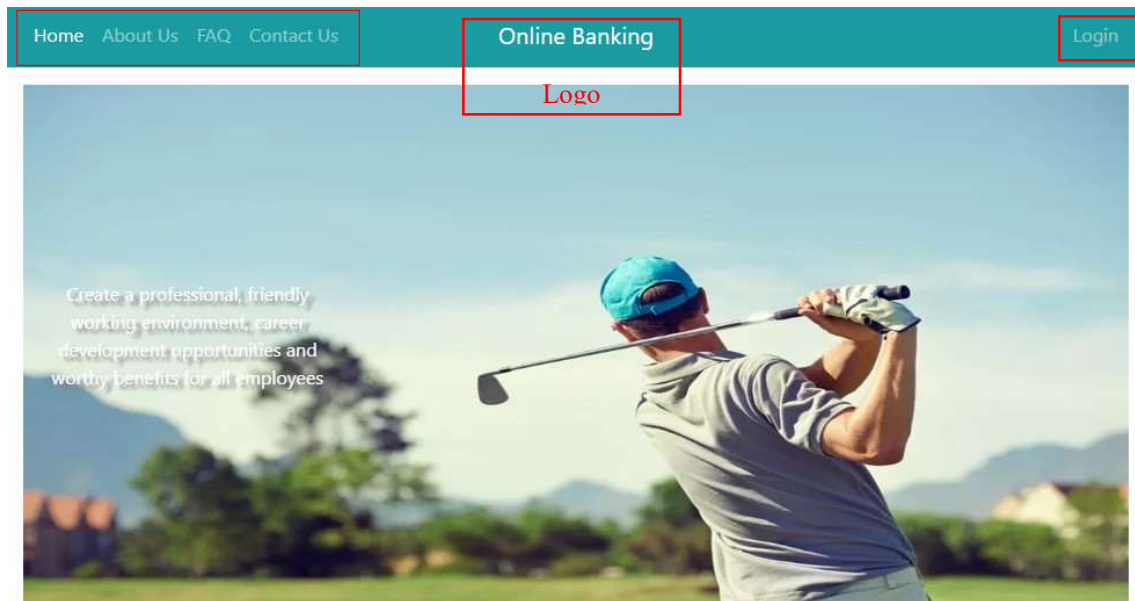
- Click home link or logo for going to home page

- Click about us link for going to about page

- Click faq link for going to faq page

- Click contact us link for going to contact page

- Click login link for going to login page (only user)

1. Login
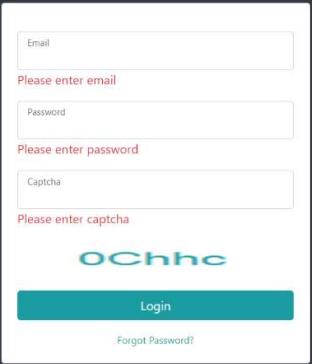
- Step 1: Enter your email, password and enter captcha

- Step 2: If you enter the correct data, the website will take you to the home page. If not, there will be 4 errors:
  - o You leave the input boxes blank and will report an error:

o You entered an incorrect email or password, or an unregistered email will report an error:
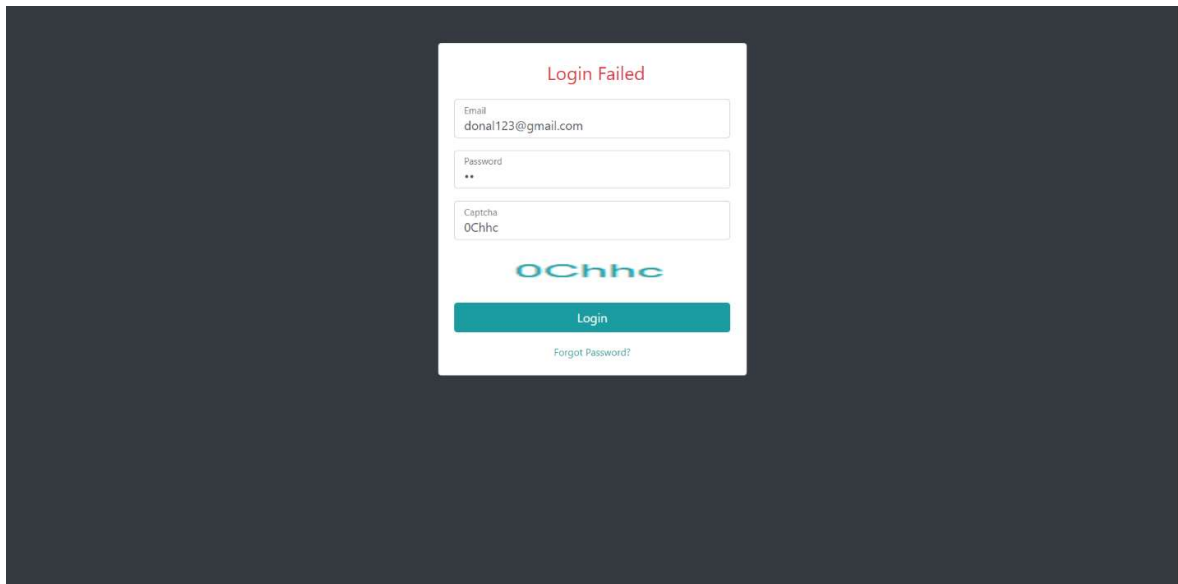
o You enter the correct email and password but wrong captcha will report the error:
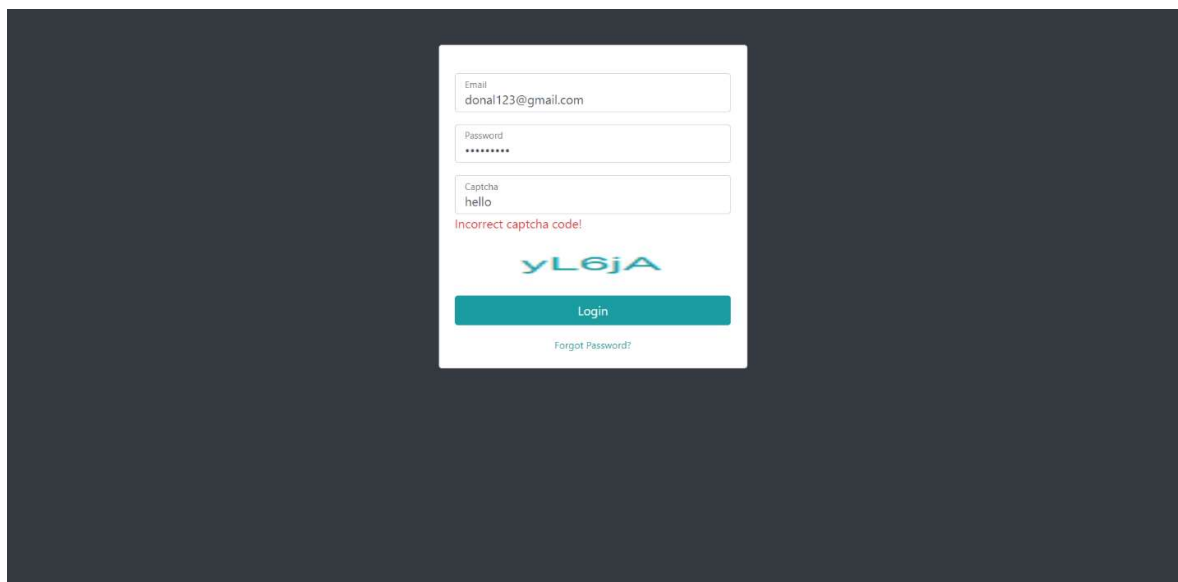
o   You enter a locked account that will report an error:
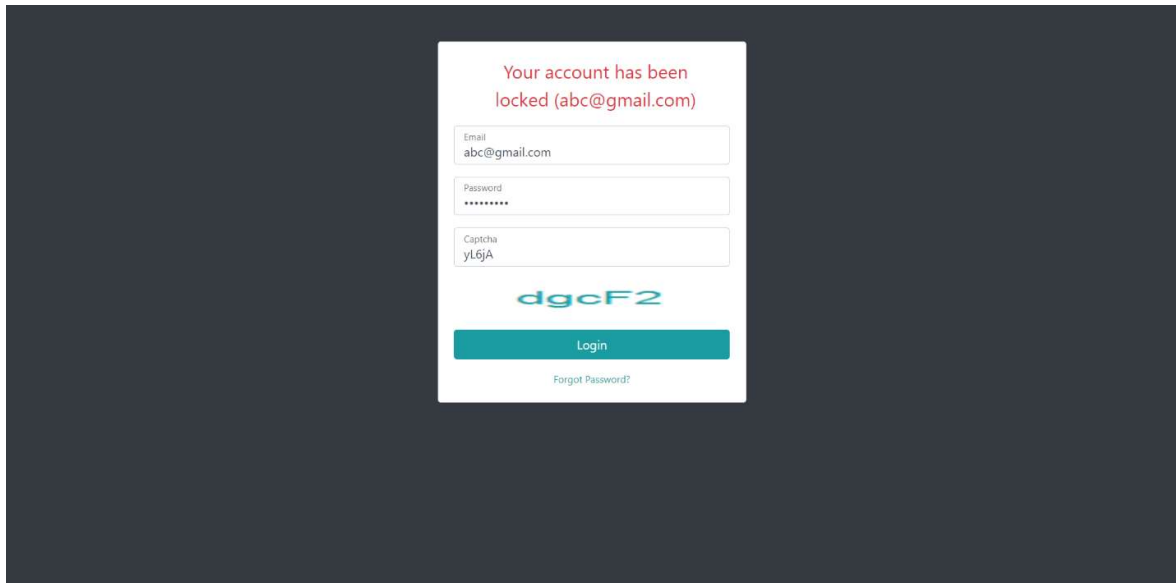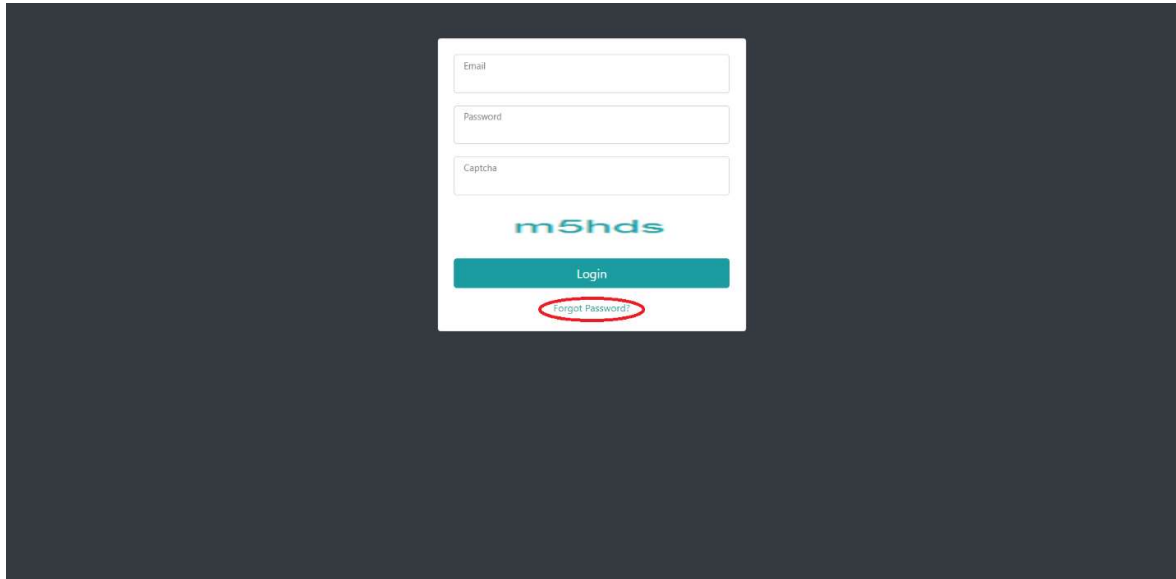
o   You login incorrectly 3 times, the system will be locked your account:
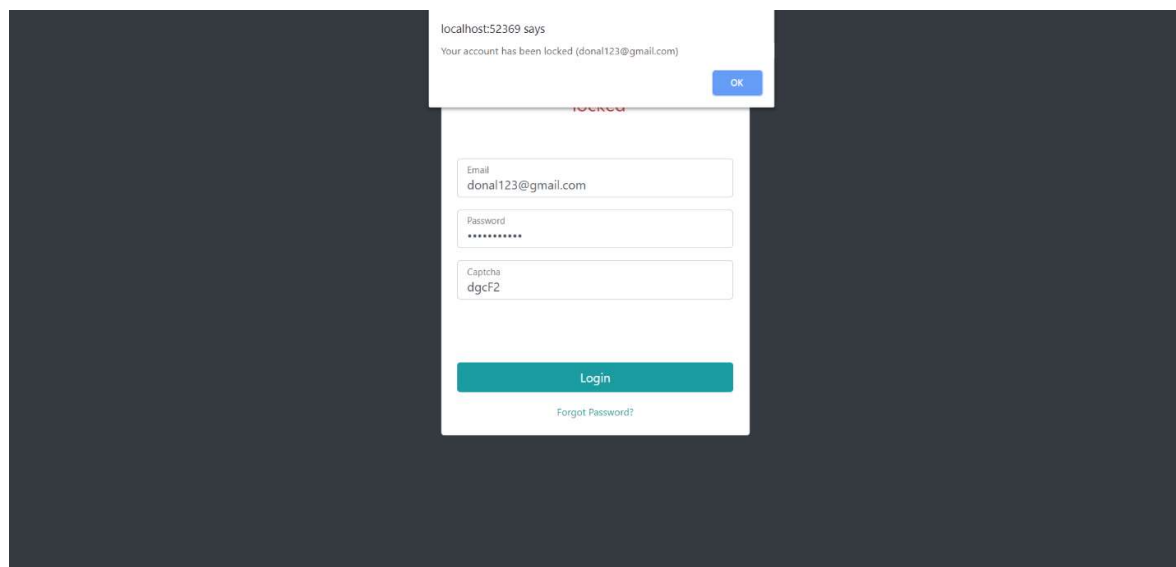
2. Forgot
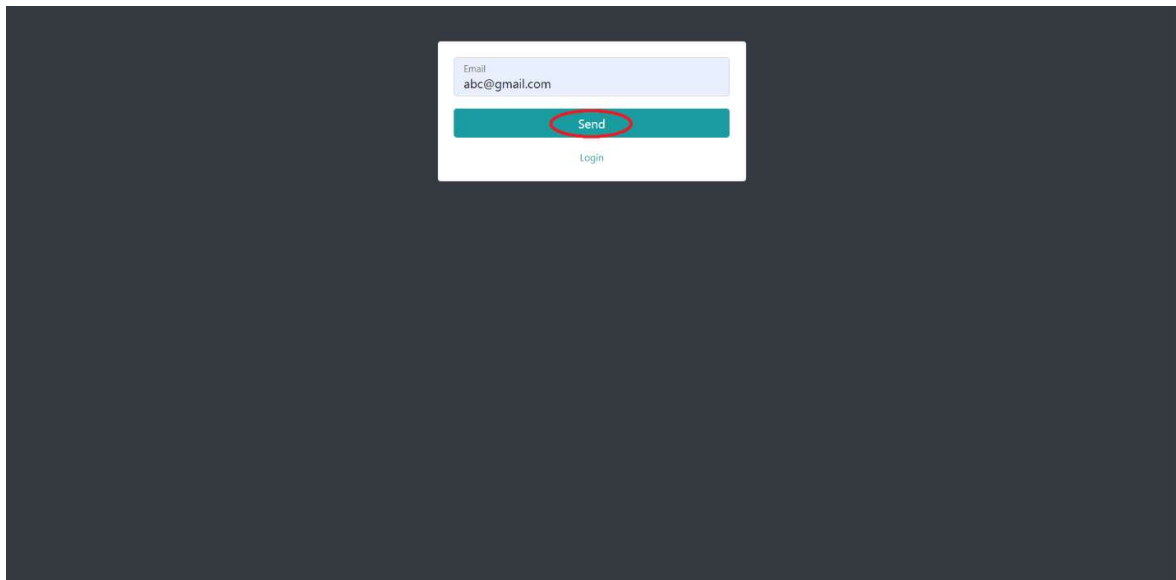
In case you forgot your password, follow these steps:

- Step 1: Clicking on that link will take you to the forgot password page

- Step 2: Enter an email that has forgotten the password and press the send button to send the new password to your email

- Step 3: View the message sent by the system to your email
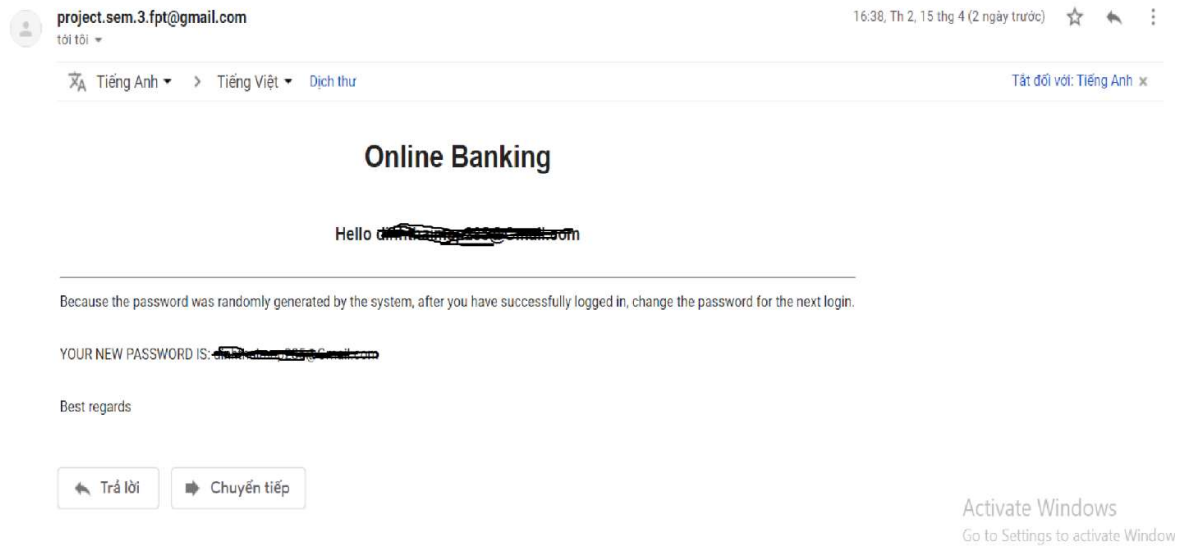
3. View and Edit profile

This is the website that displays your information:
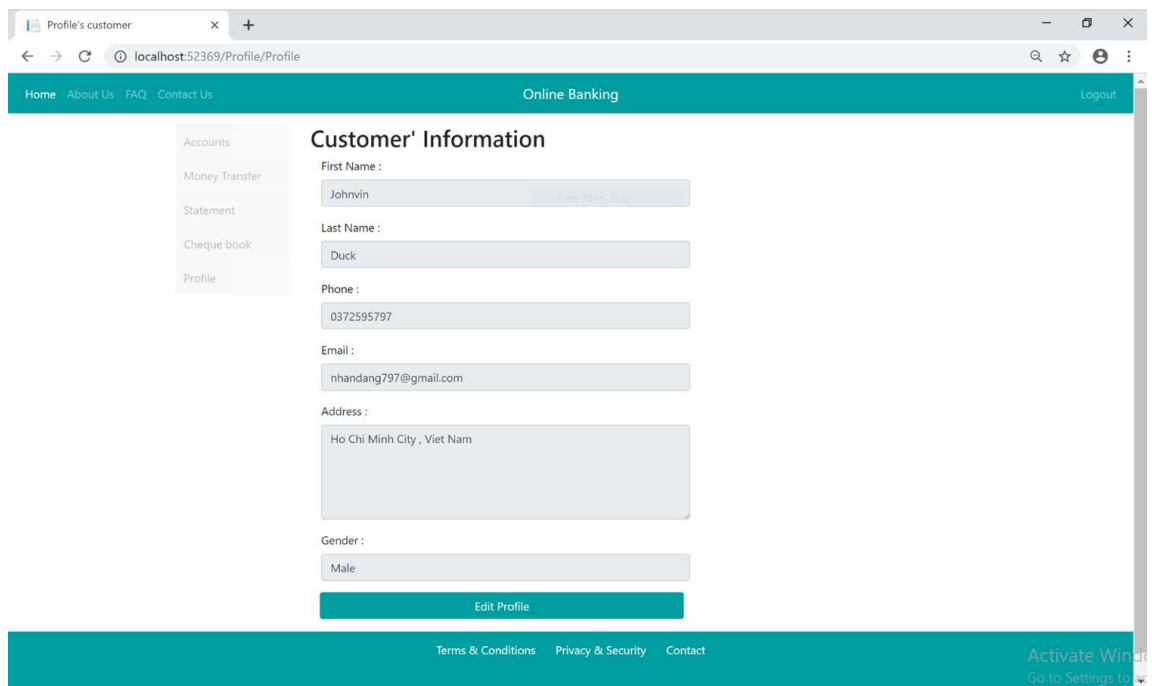
- **Step 1:** Clicking on that link will take you to the edit page

- **Step 2:** Input the information into fields and Update button will be shown

Accounts

Money Transfer

Statement

Cheque book

Profile

Customer' Information

Address

Password

****

Confirm Password

****

Transaction Password

****

Confirm transaction
Password

****

| Back to profile | Update profile |

4. List account banking page

Displays all account bank of user

Accounts

Money Transfer

Statement

Cheque book

Profile

Account / Detail

List Account Banking

Account number	Account Balance	Create Date
OB-1236598745	22.00	15-Apr-19 12:00:00 AM
OB-1489337983	20.00	16-Apr-19 9:59:07 AM
OB-1563379901	0.00	16-Apr-19 4:21:32 PM
OB-1593582154	10.00	16-Apr-19 11:47:24 AM
OB-1807755204	15.00	16-Apr-19 10:08:00 AM
OB-2568487812	269.00	12-Mar-19 12:00:00 AM

5. Cheque book page

Customer name: John Duck

Account Number   OB-1236598745 ▼

Date of Issue   4/17/2019

Cheque Leaves Number   5 ▼

Submit

Request Cheque Book List

Account Number	Number Cheque Request	Date of Issue	Date of Expriry	Status
OB-1236598745	5	17-Apr-19 12:55:26 PM	17-Apr-19 1:20:18 PM	InActive

- To create new cheque book, please select Account Number and Cheque Leaves Number.
- After clicking Submit button, new Cheque Book will be created and shown in the Request Cheque Book List below.

To stop Cheque Book payment, please click InActive button in Status column

6. Fund transfer

After login, people can click to Money Transfer to move to Money Transfer page

In Originator account dropdown menu, user can chose from what account of his/her that he/she wants to be transferred.

In Beneficial account text box, user can type the account they want to transfer to. If the account does not exist, or it's the same account as the Originator account, a proper message should appear.

In Amount text box, user enter the amount of money they want to transfer. This number cannot small than 0 or greater than the Balance of the account minus a small sum to active the account (10 USD). It only accept number type.

In Description text box, user enter his/her description of the transfer.

After that, user click Continue button to go to next page to confirm the transaction again.

User click continue to go to next page to enter the transaction password

If user enter the correct transaction password, the money transfer is completed.

View Monthly/Annual Statement & Print

After login validly, user can view their monthly or annual statement

After click to Statement, user go to the page to Request their statement.

On Account number dropdown menu, user can chose what account he/she want to have a statement.

On Statement type dropdown menu, user can chose what type of statement he/she want (Monthly or Annual).

On Year Dropdown menu, user can chose the year they want to statement.

If user chose Monthly Statement, he/she should chose the month of the statement.

After that, user click Request to view the statement.

User can click the Print statement button to print the statement.

II. ADMIN

1. Login – Admin

You must enter link : http://localhost:52369/Admin/Login/Login

- Input the admin username and password and click login button to login

- Username : admin

 - Password : admin

- After login successful, you will go to admin's control page

1.1   Admin's control page

At this page, users can:

a. Menu
-   Click Customers to show detail's customer page

Create

- Click Create button to create customer
    - o Input the information of customer into each field and click Create button to create new customer
    - o Click button to create random password so that admin can not see this one.
    - o After filling the form, click Create button and user's password will be automatically sent to his/her email.

    ***Note : You must enter your email to recive password .**

b. Search

- Input name and click search button to find a details of customer or click drop down to find a details of customer by status

c. Details

- Display details of all the customer
- Users can click any row of Customer Account table to show specific customer's details (Customer details page)

If user account is locked, his/her status in Customer Information will show Deactived. If not, it will show Actived.

After click button Active . You must check your email to recive new password .

- o To re-active/lock user account, admin can click button **🔃 Actived**
- o List account bank table displays all account bank of customer
- o Click Create New Account to create new account bank
- o Click Transfers button to show Transfers model

- ▪ Select account number in Account dropdown box and input amount into Money field and click Save Changes button to add to customer's balance

- Click FAQs to show FAQ's control page

	List FAQs		
			Create New
No.	Questions		
1	› How can I register to use ?a		Update Delete

- o Click Create button to create a new FAQs
- o Click Update button to Edit this FAQs
- o Click Delete button to delete this FAQs