

SmartBillingSystem Documentation

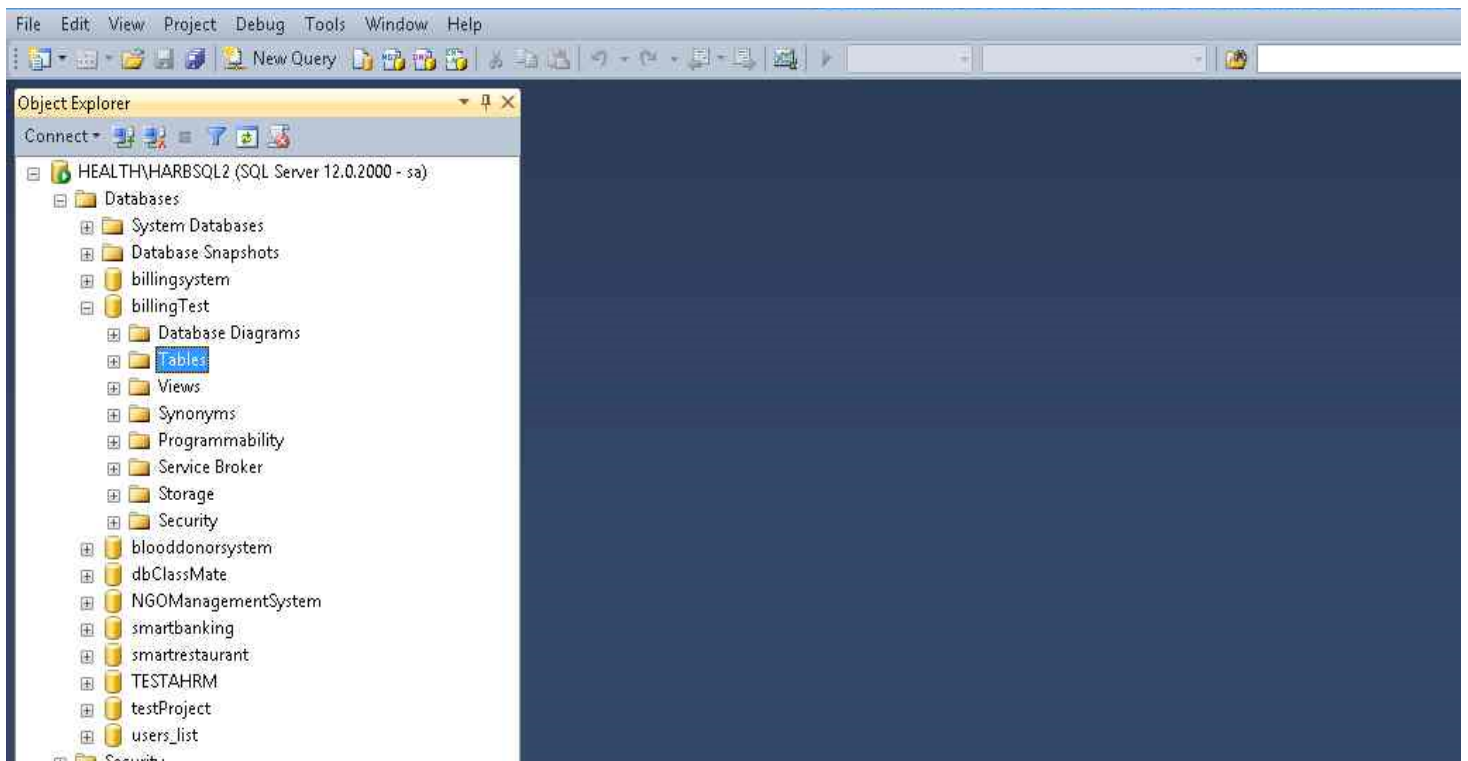
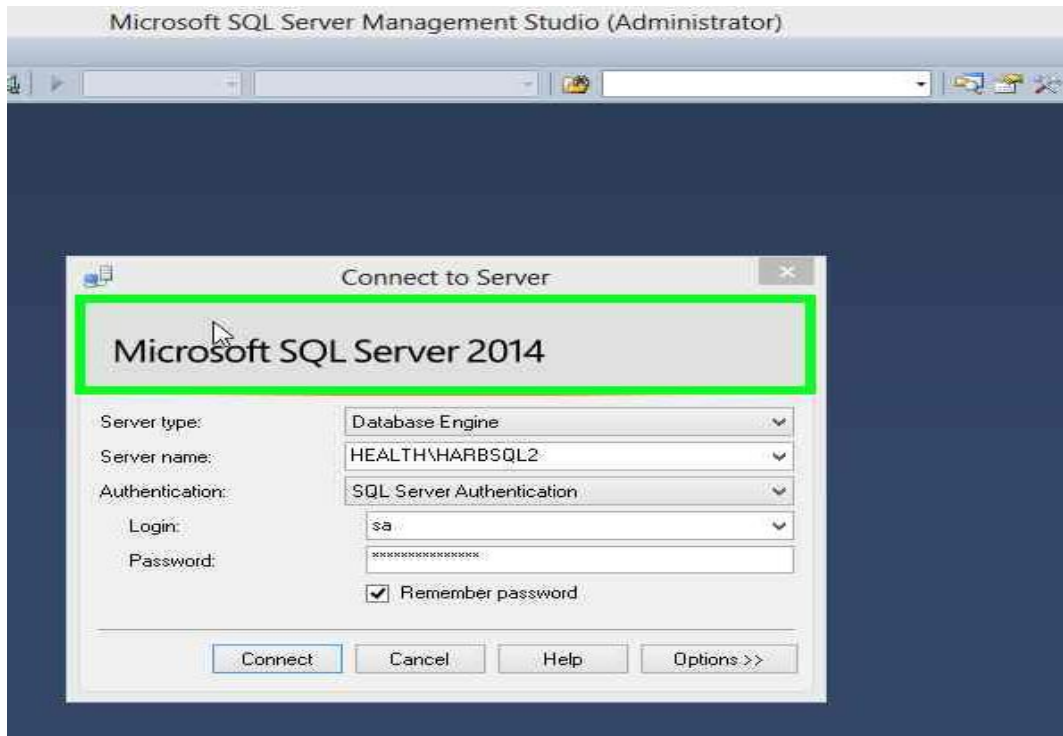
REQUIREMENTS

- ✓ Make sure you have MSSQL Server 2014 or above and SQL Server Management Studio Installed
- ✓ You need to have Visual Studio 2015 or above Installed

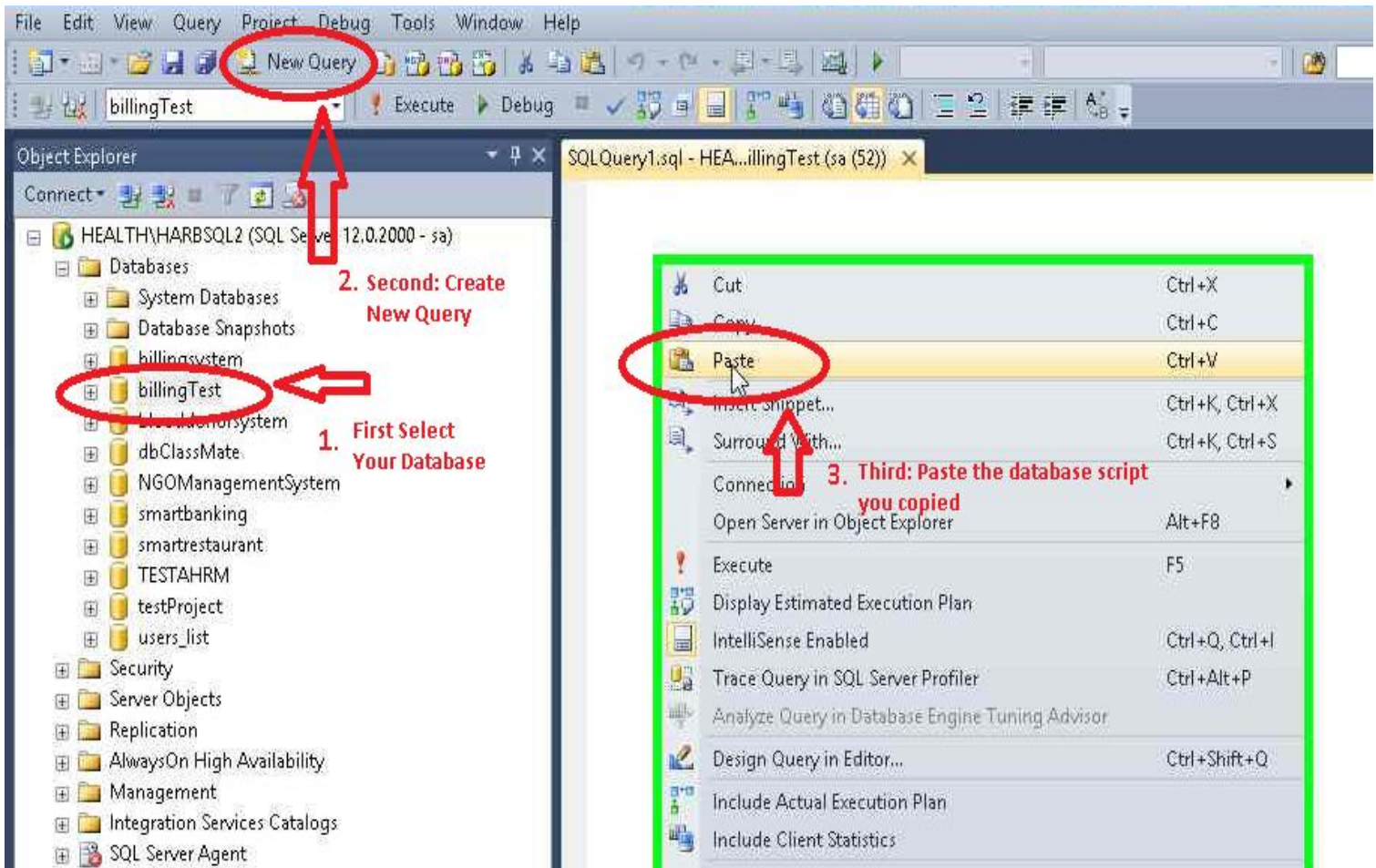
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STEP 1. CREATE THE DATABASE

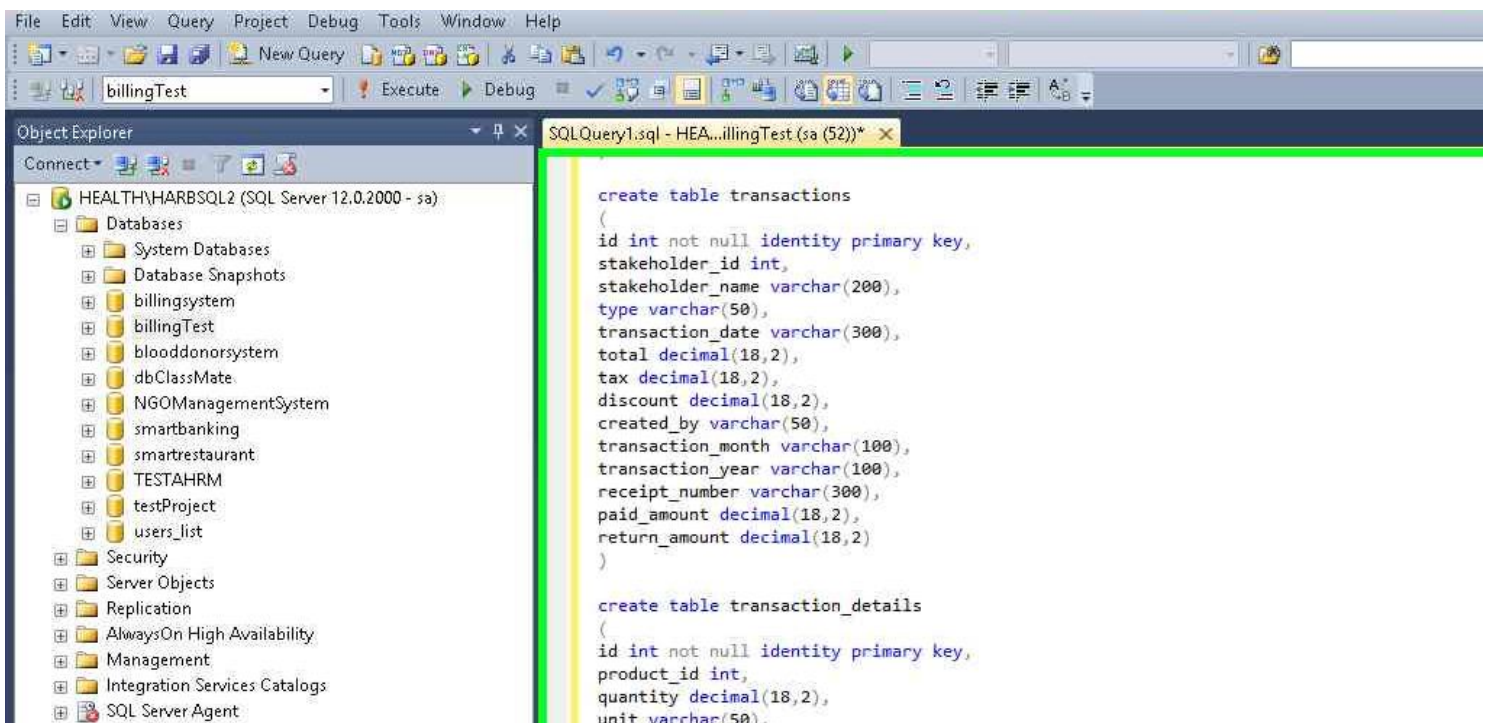
1. Open Your SQL Server Management Studio and Create a New Database



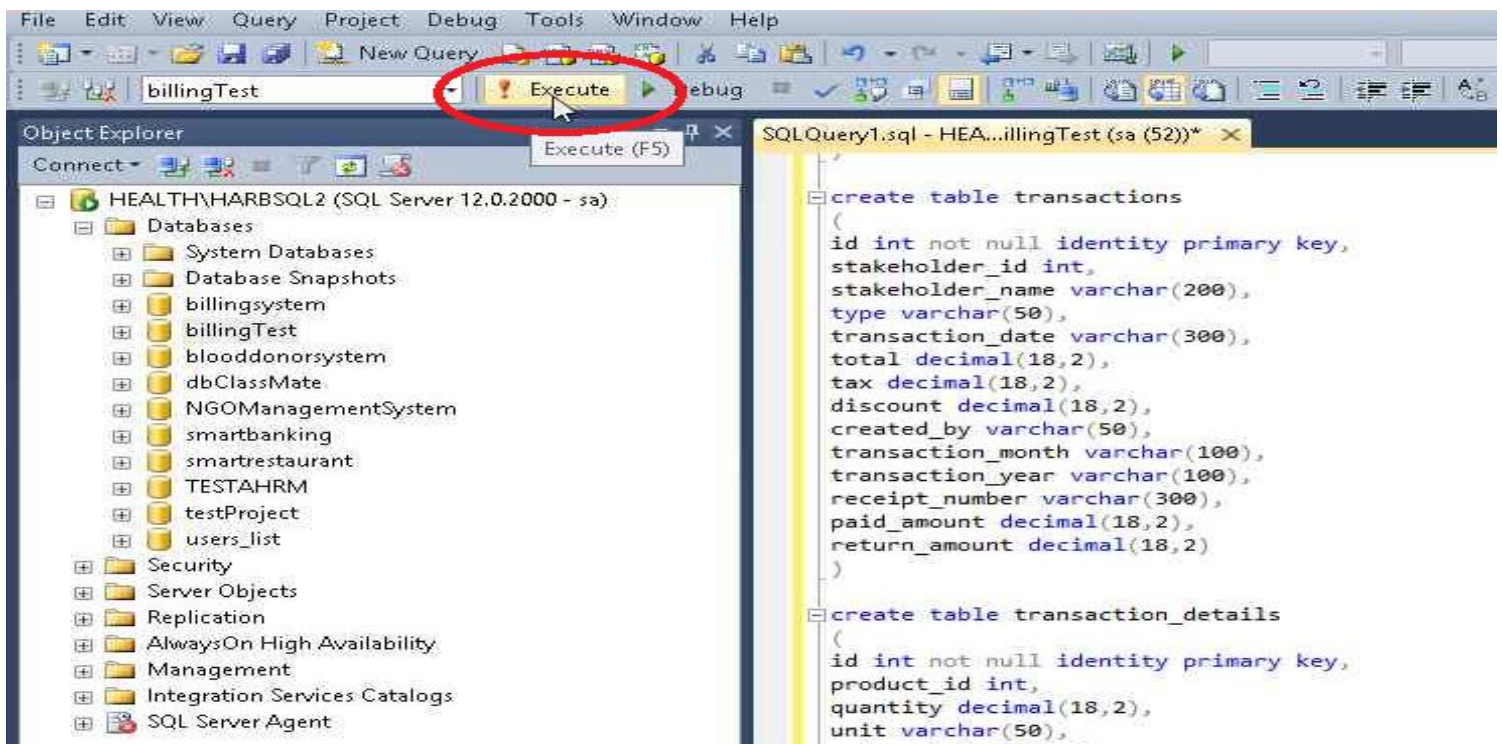
2. Go to the **BillingSystem** Project and open the folder named **"DB"**
3. Open the **"database.txt"** file located inside the **"DB"** folder, select and copy all of its contents
4. Select your newly created database, and click **"New Query"**



5. Then paste the contents you have copied from the **"database.txt"** file, into the query window



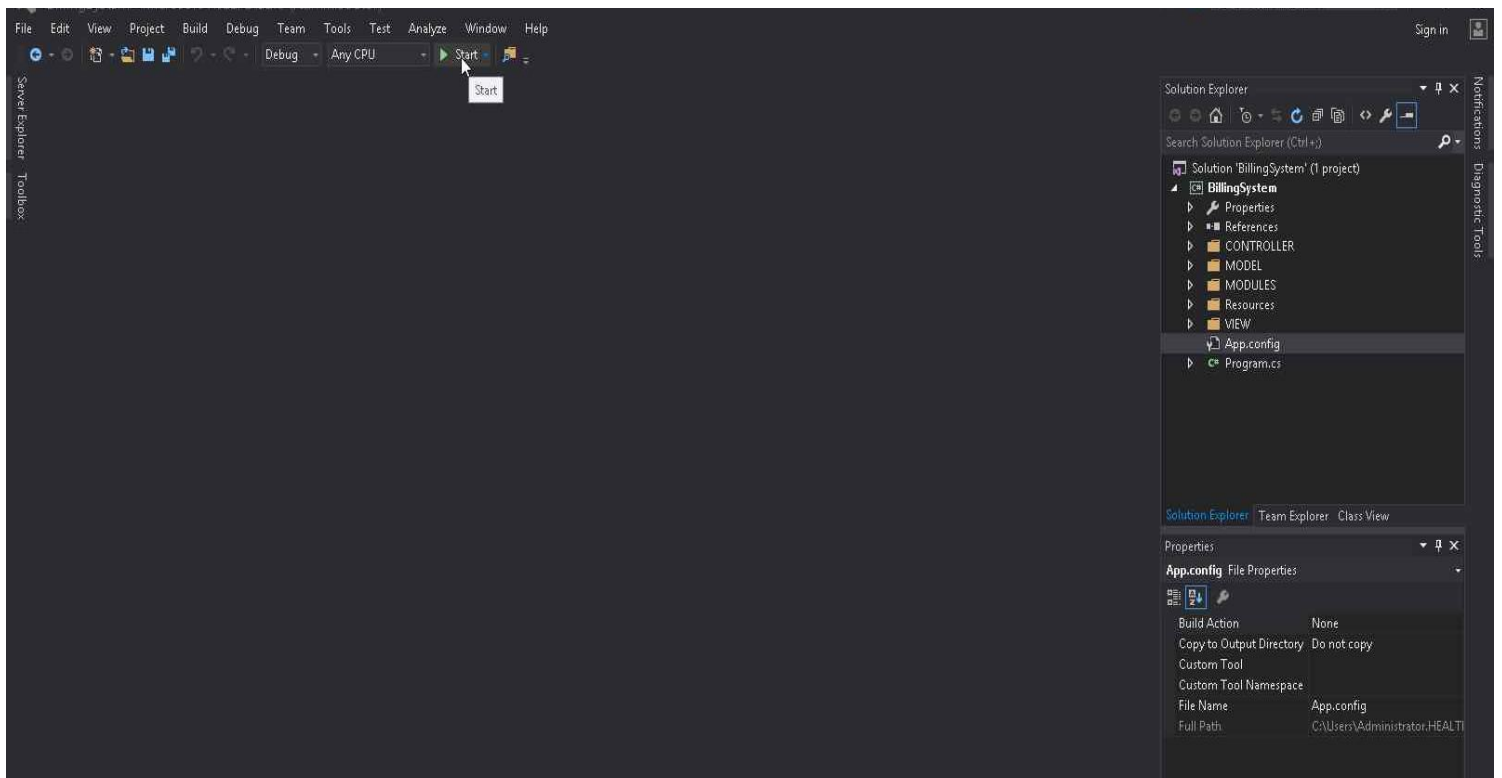
6. Click "**Execute**" to create the database tables



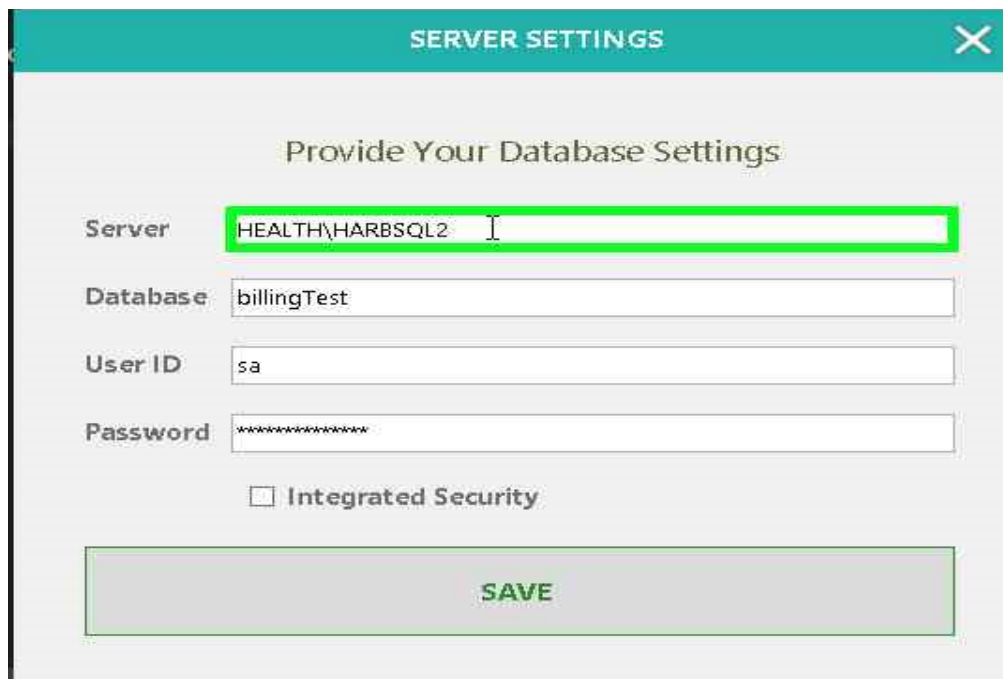
STEP 2. SERVER CONFIGURATION

7. Go to the "**BillingSystem**" Project and open Solution file with visual studio

8. Click "**Start**" to run the project



9. A window will pop up asking you to provide your database details



SERVER SETTINGS

Provide Your Database Settings

Server: HEALTH\HARBSQL2

Database: billingTest

User ID: sa

Password: *****

☐ Integrated Security

SAVE

10. provide your SQL Server database and login credentials:

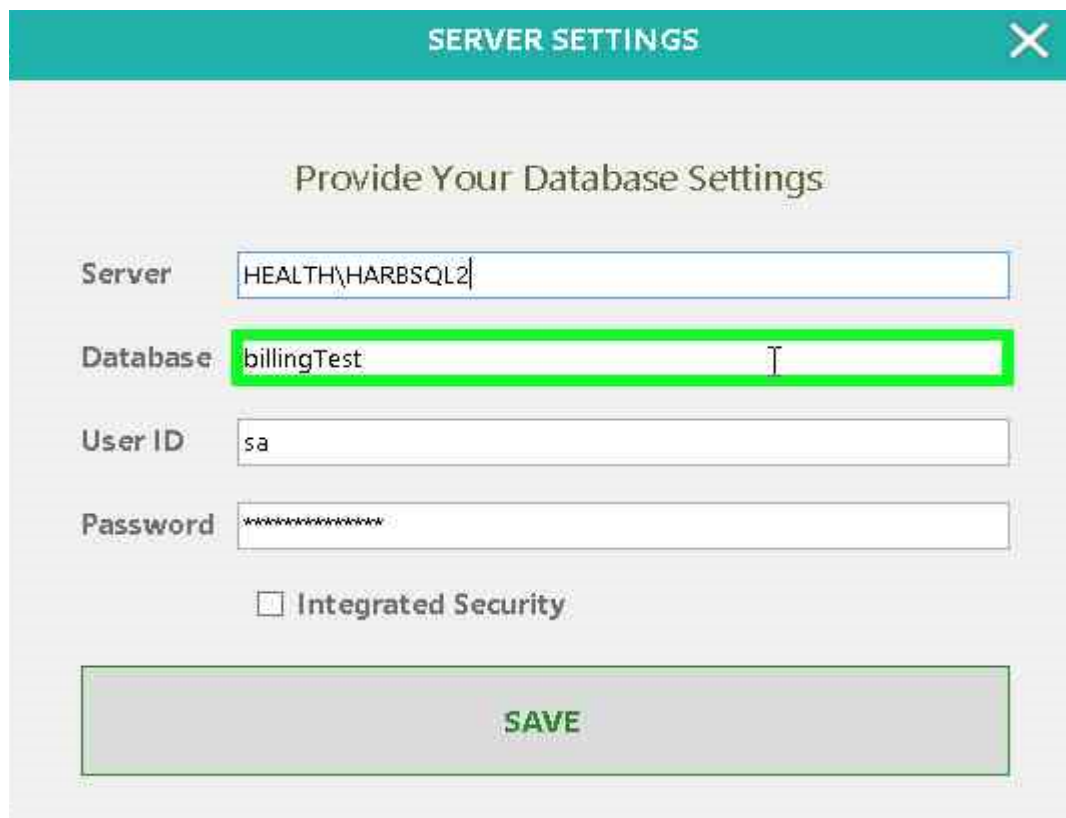
SQL SERVER AUTHENTICATION: If you are using *"SQL Server Authentication"*

"Server" Field should correspond to your SQL Server name

"Database" Field should correspond to your database name

"User ID" Field should correspond to your SQL Server login user name (by default "sa")

"Password" Field should correspond to your SQL server login password



SERVER SETTINGS

Provide Your Database Settings

Server: HEALTH\HARBSQL2

Database: billingTest

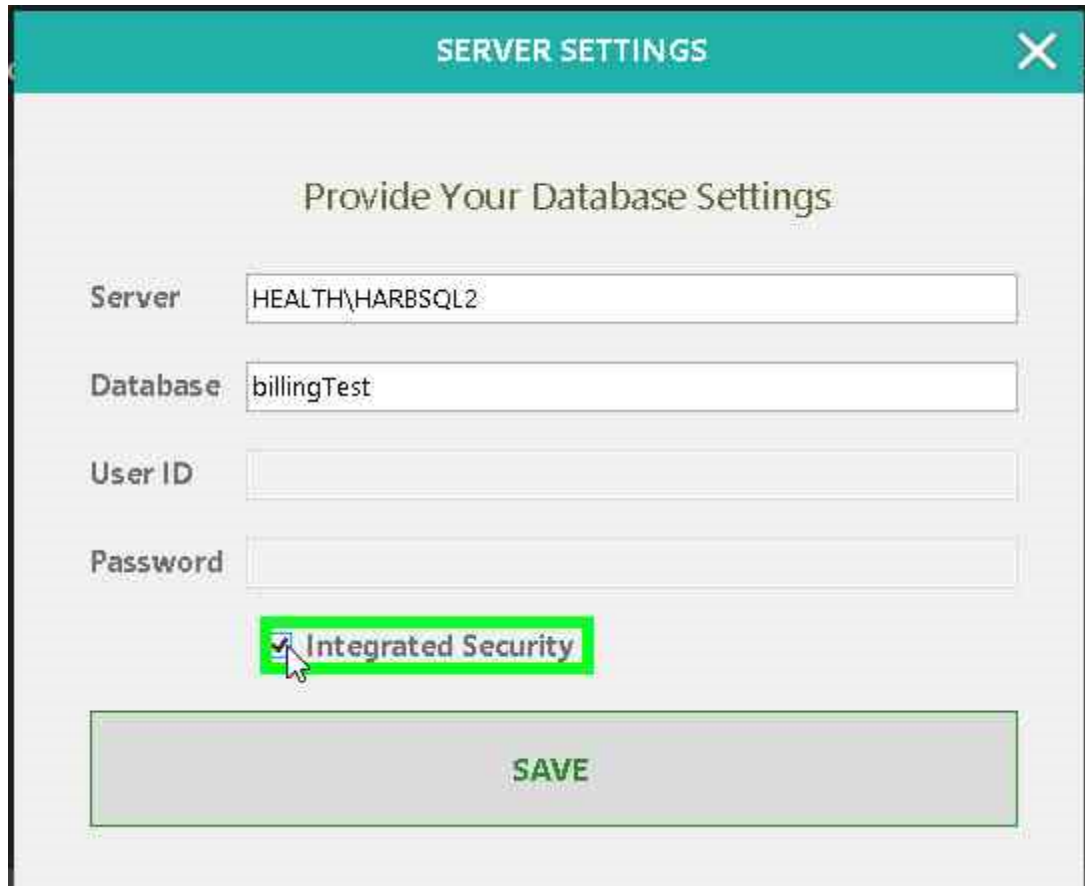
User ID: sa

Password: *****

☐ Integrated Security

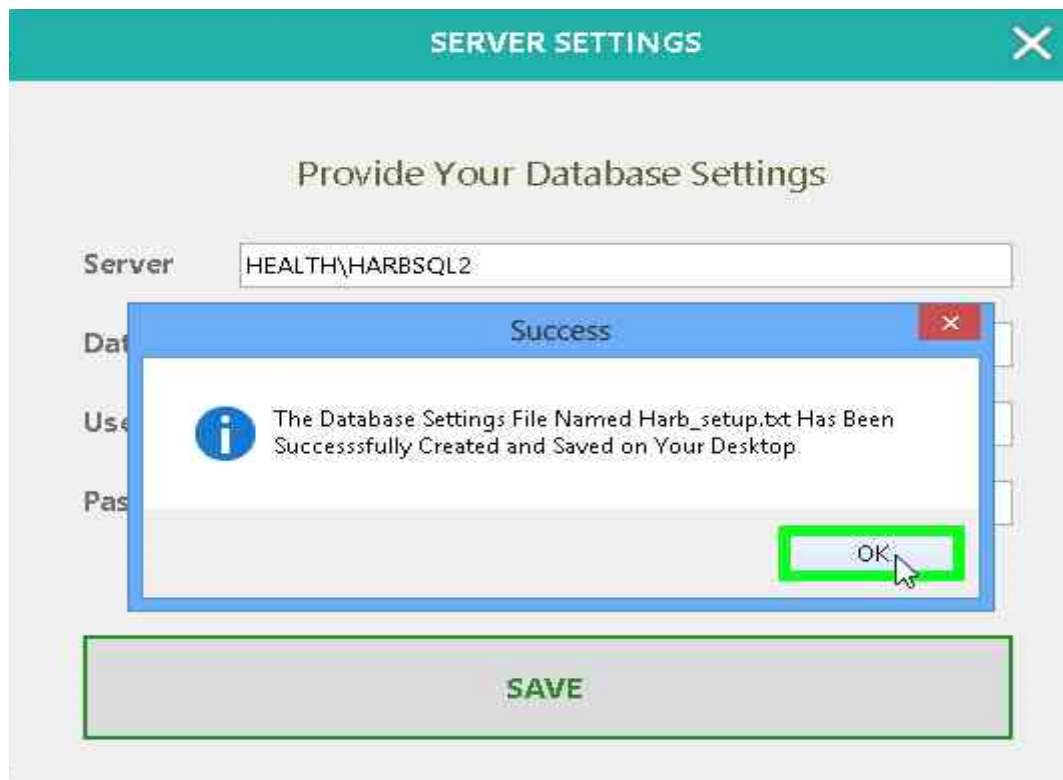
SAVE

WINDOWS AUTHENTICATION: If you are using "*Windows Authentication*", then you need to check the "**Integrated Security**" check box, which will disable the User ID and password.



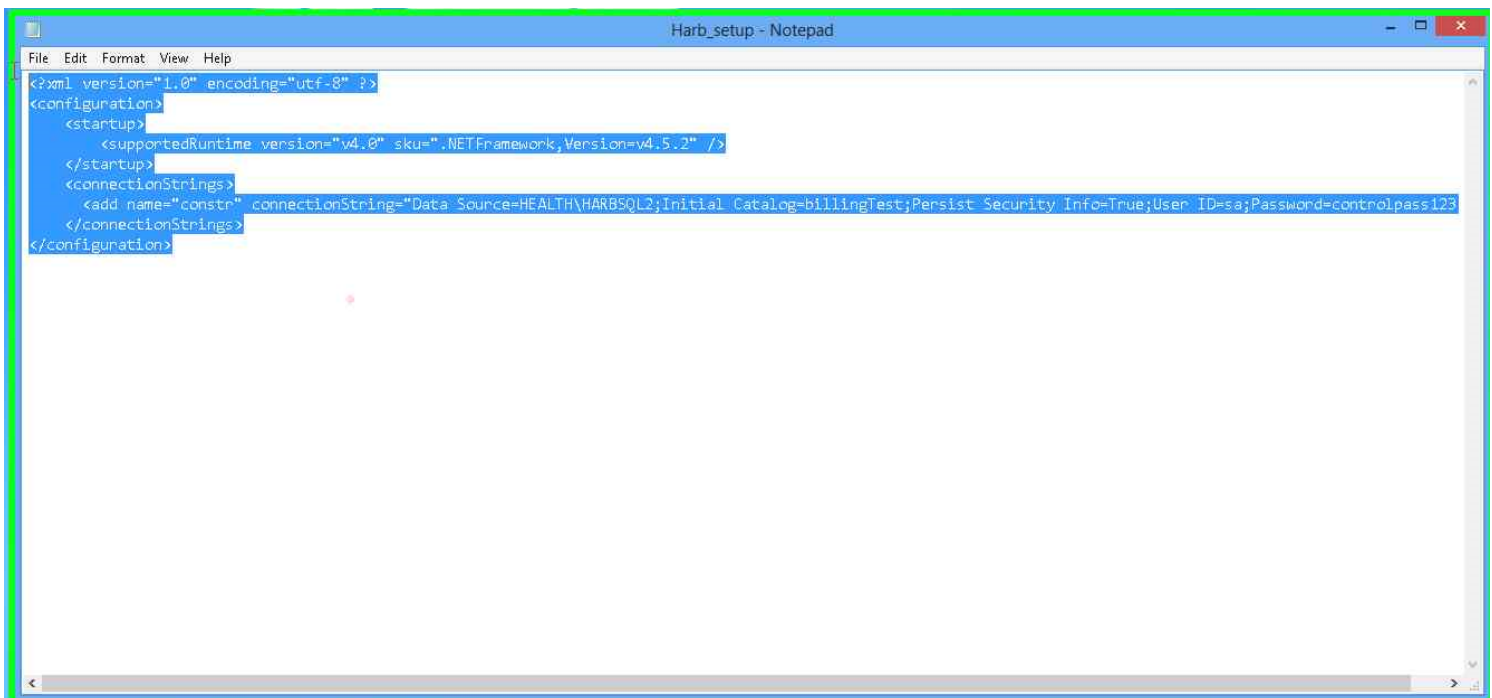
The screenshot shows a window titled "SERVER SETTINGS" with a close button (X) in the top right corner. Below the title bar, the text "Provide Your Database Settings" is centered. There are four input fields: "Server" with the value "HEALTH\HARBSQL2", "Database" with the value "billingTest", "User ID" (empty), and "Password" (empty). Below these fields is a checkbox labeled "Integrated Security" which is checked. A green box highlights the checkbox and its label. At the bottom of the window is a large grey button labeled "SAVE".

11. Once you complete the server settings, click "**Save**" and it will create a file on your **Desktop** called "**Harb_Setup.txt**"



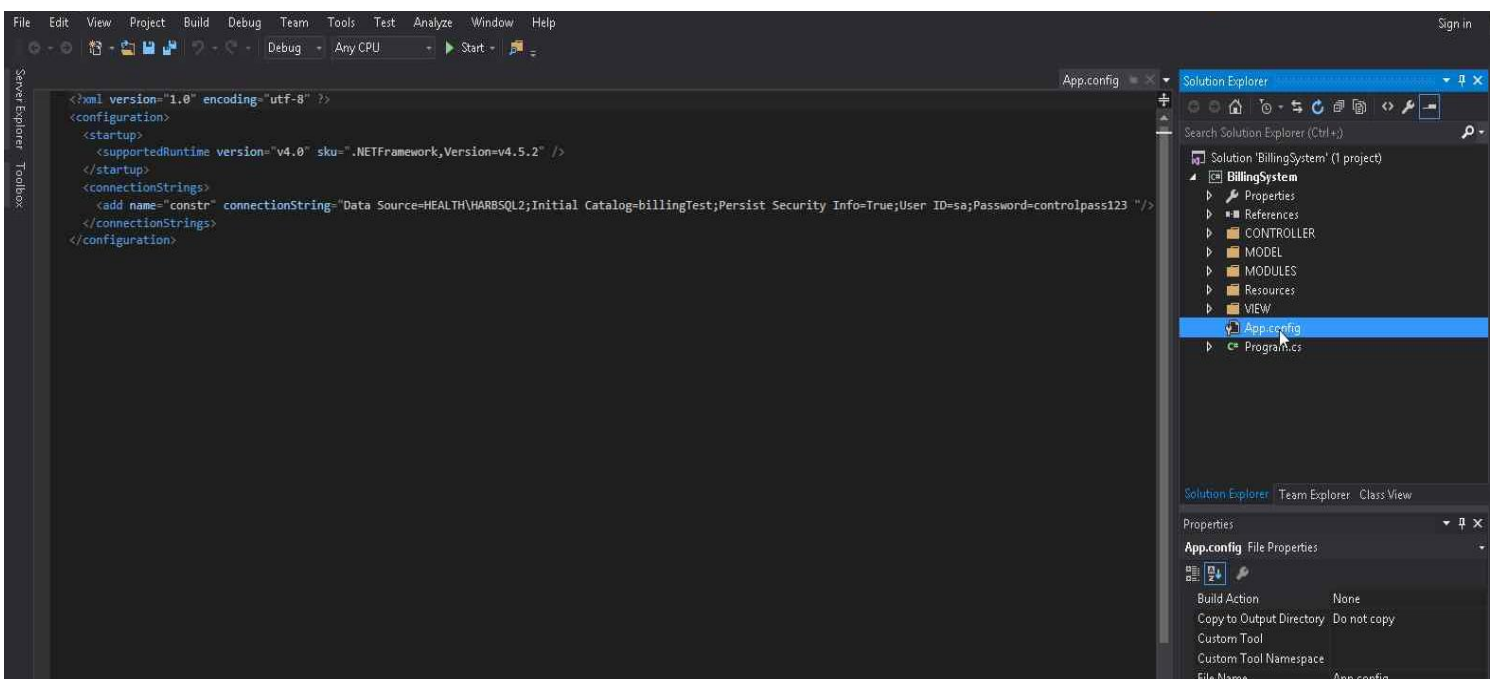
This screenshot shows the same "SERVER SETTINGS" window as the previous one, but with a success message overlay. The message box is titled "Success" and contains an information icon (i) and the text: "The Database Settings File Named Harb_setup.txt Has Been Successsfully Created and Saved on Your Desktop." (Note the typo "Successsfully"). A green box highlights the "OK" button in the bottom right corner of the message box. The "SAVE" button is still visible at the bottom of the main window.

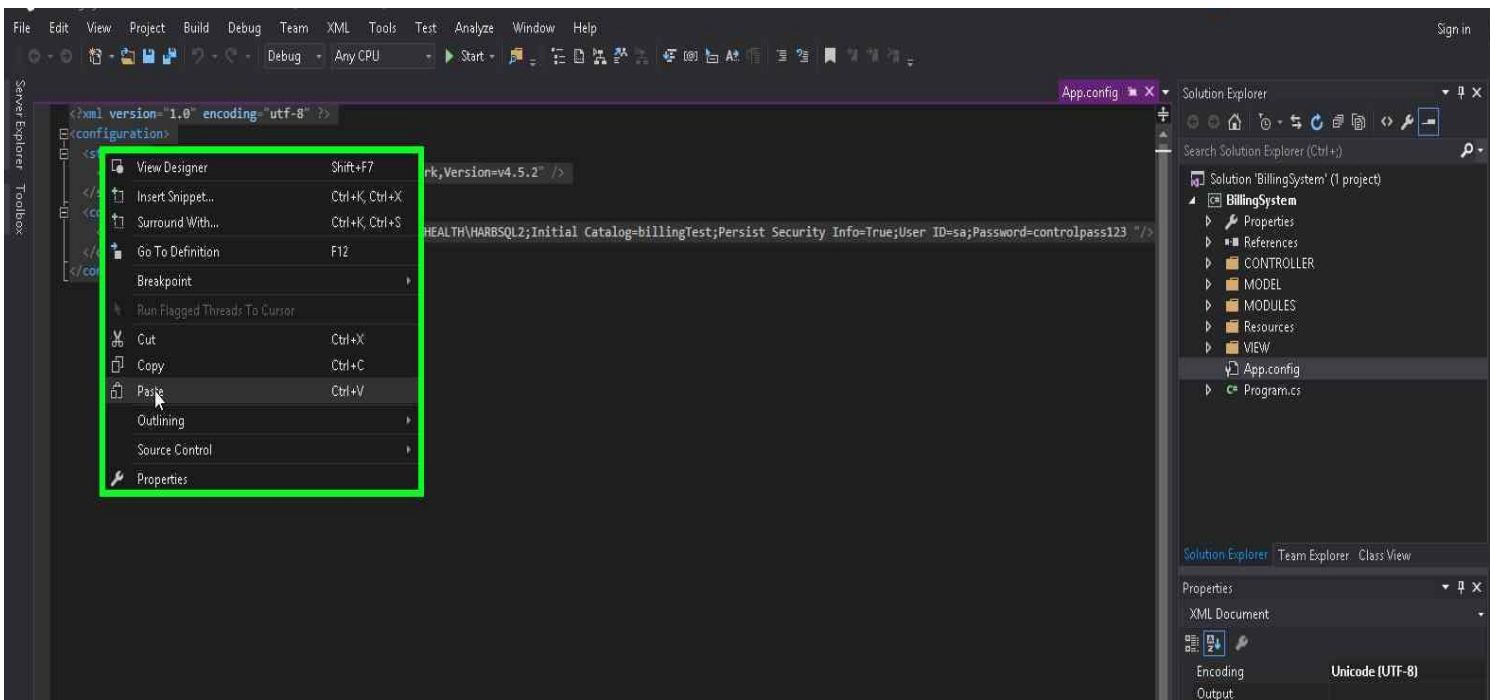
12. Open the file "**Harb_Setup.txt**" and copy all of its contents

A screenshot of a Notepad window titled "Harb_setup - Notepad". The window contains XML code for an application configuration file. The code is as follows:

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <startup>
    <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.5.2" />
  </startup>
  <connectionStrings>
    <add name="constr" connectionString="Data Source=HEALTH\HARBSQL2;Initial Catalog=billingTest;Persist Security Info=True;User ID=sa;Password=controlpass123" />
  </connectionStrings>
</configuration>
```

13. Go back to your project in Visual Studio, Open the file "**App.config**" and delete all of its contents, then Paste the Contents of the "**Harb_Setup.txt**" into the "**App.config**" file and save and **Start** the application





STEP 3. ADMIN ACCOUNT SETUP

14. When you **Start** the application, you will be prompted to setup your Admin Login Details

A screenshot of a dialog box titled 'ADMIN SETTINGS' with a close button (X) in the top right corner. The dialog has a light gray background. At the top, there is a green banner with the text 'Start Creating Your Admin Login Details' in white. Below this, there are three input fields: 'Username', 'Password', and 'Confirm Password'. At the bottom, there is a large green button with the text 'Save' in white.

15. After creating your Admin Login credentials and clicking "Save", you will be redirected to the login screen

ADMIN SETTINGS

Start Creating Your Admin Login Details

Username

admin

Password

Confirm

Save

Success

Admin Created Successfully

OK

Please Login

BILLING
Management System

Username

Password

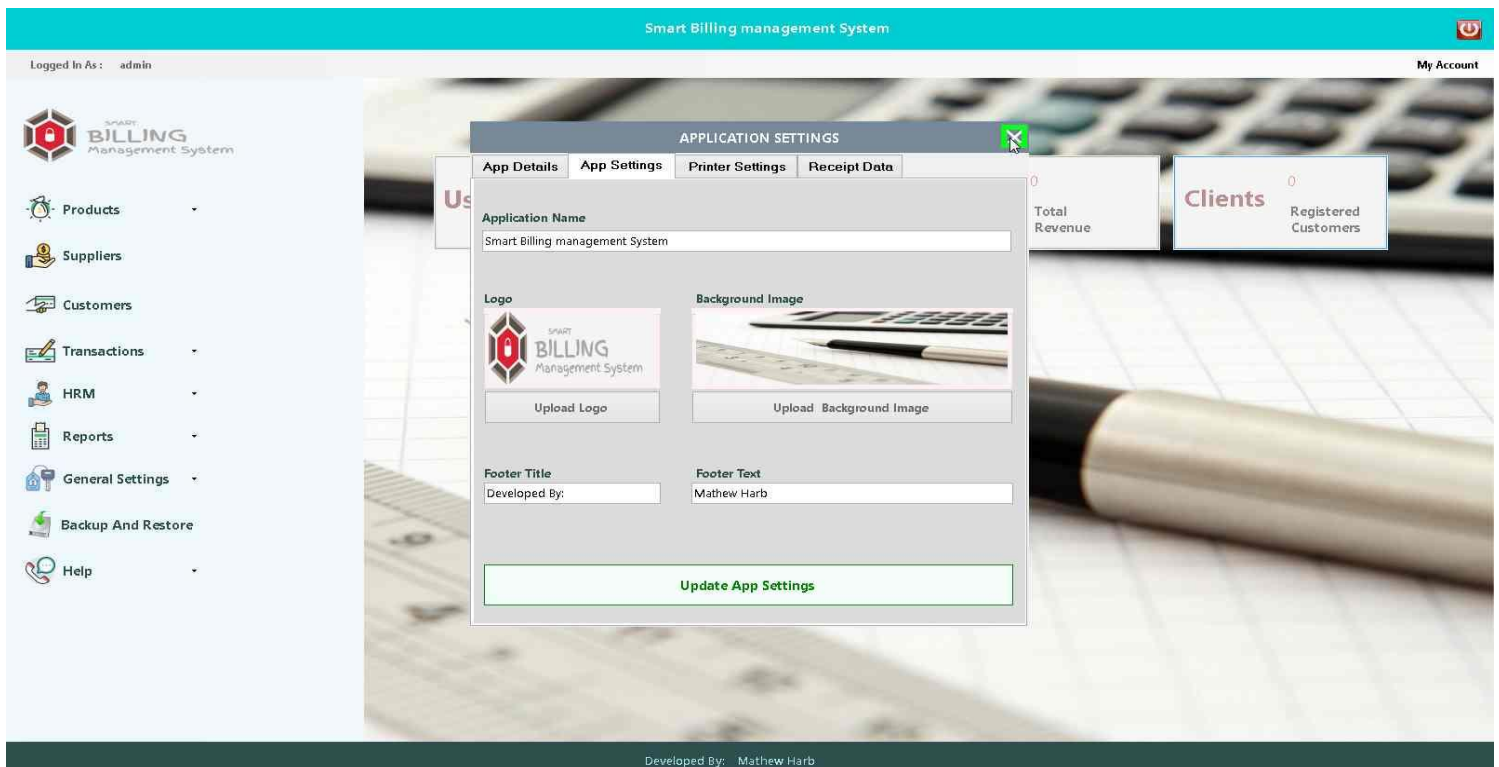
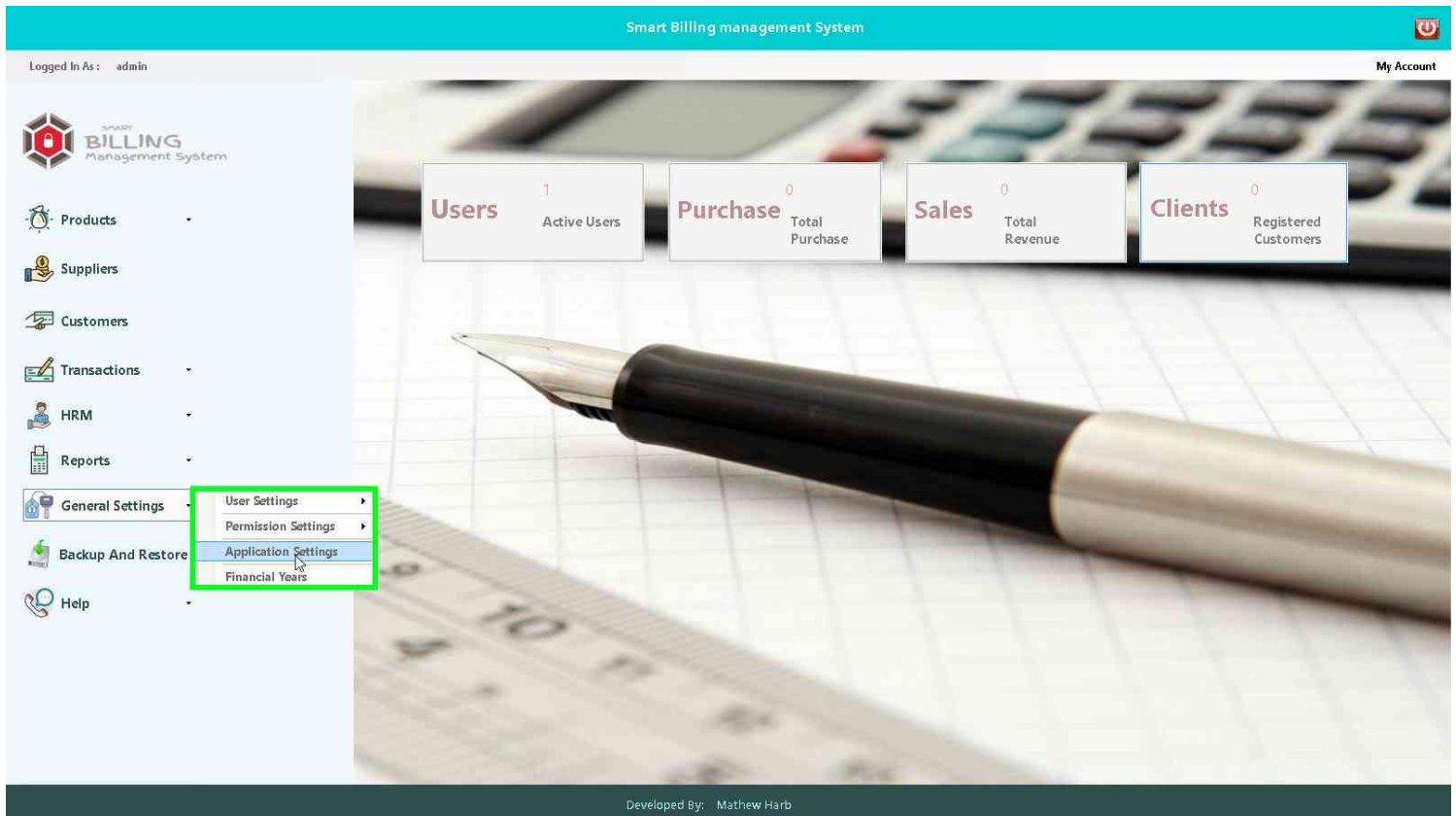
User Type

SIGN IN

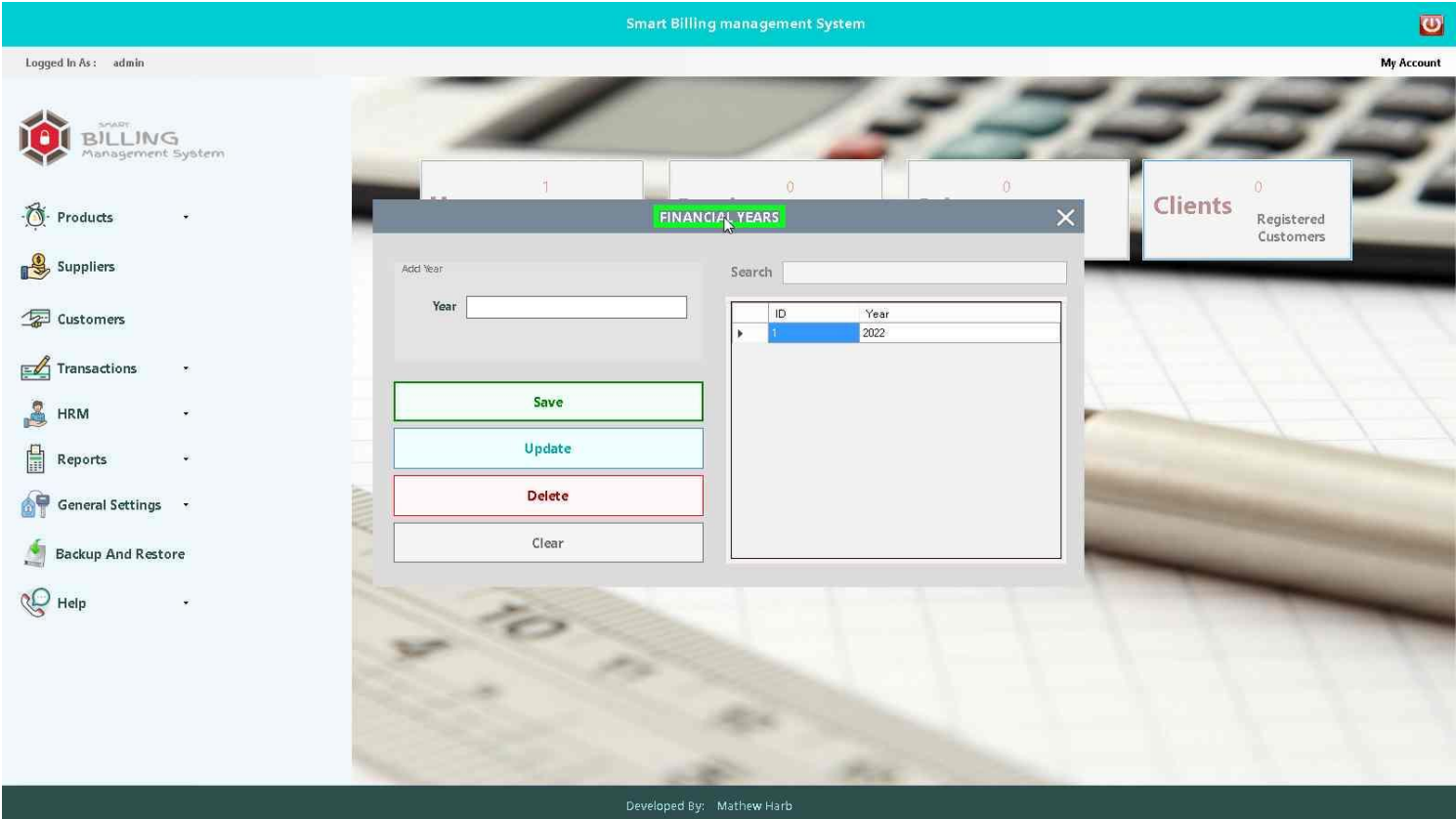
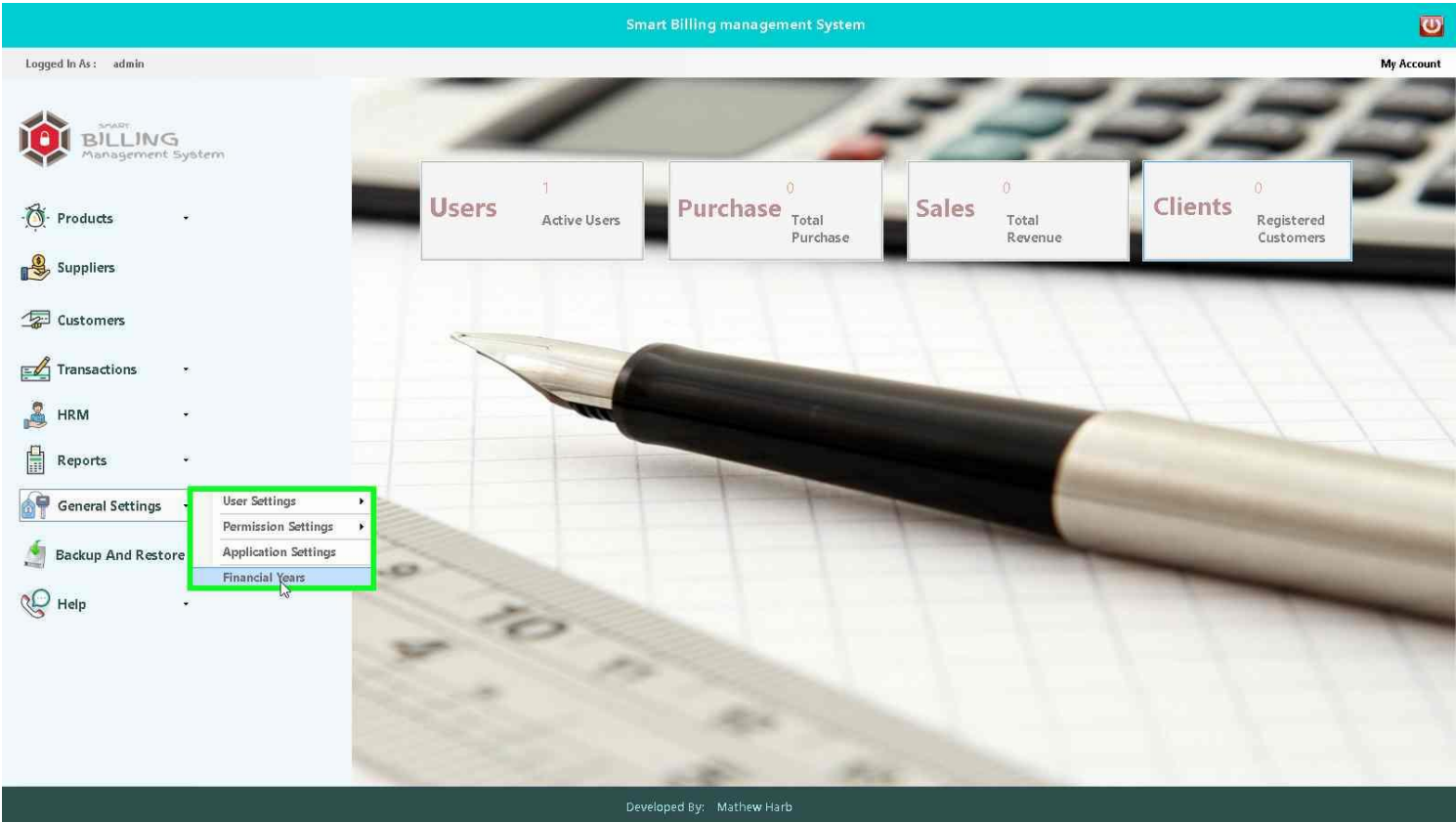
CANCEL

STEP 4. SYSTEM SETTINGS

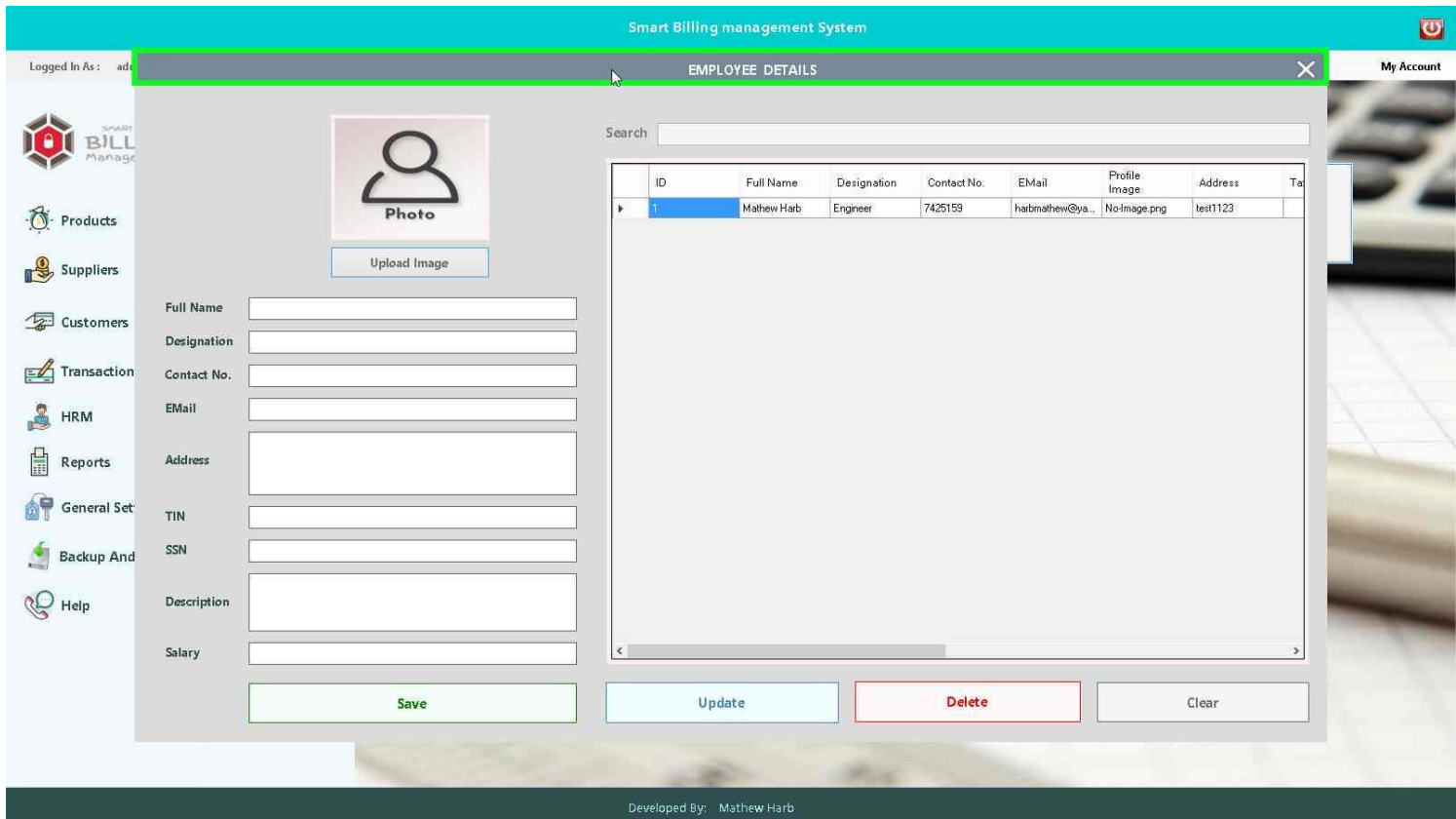
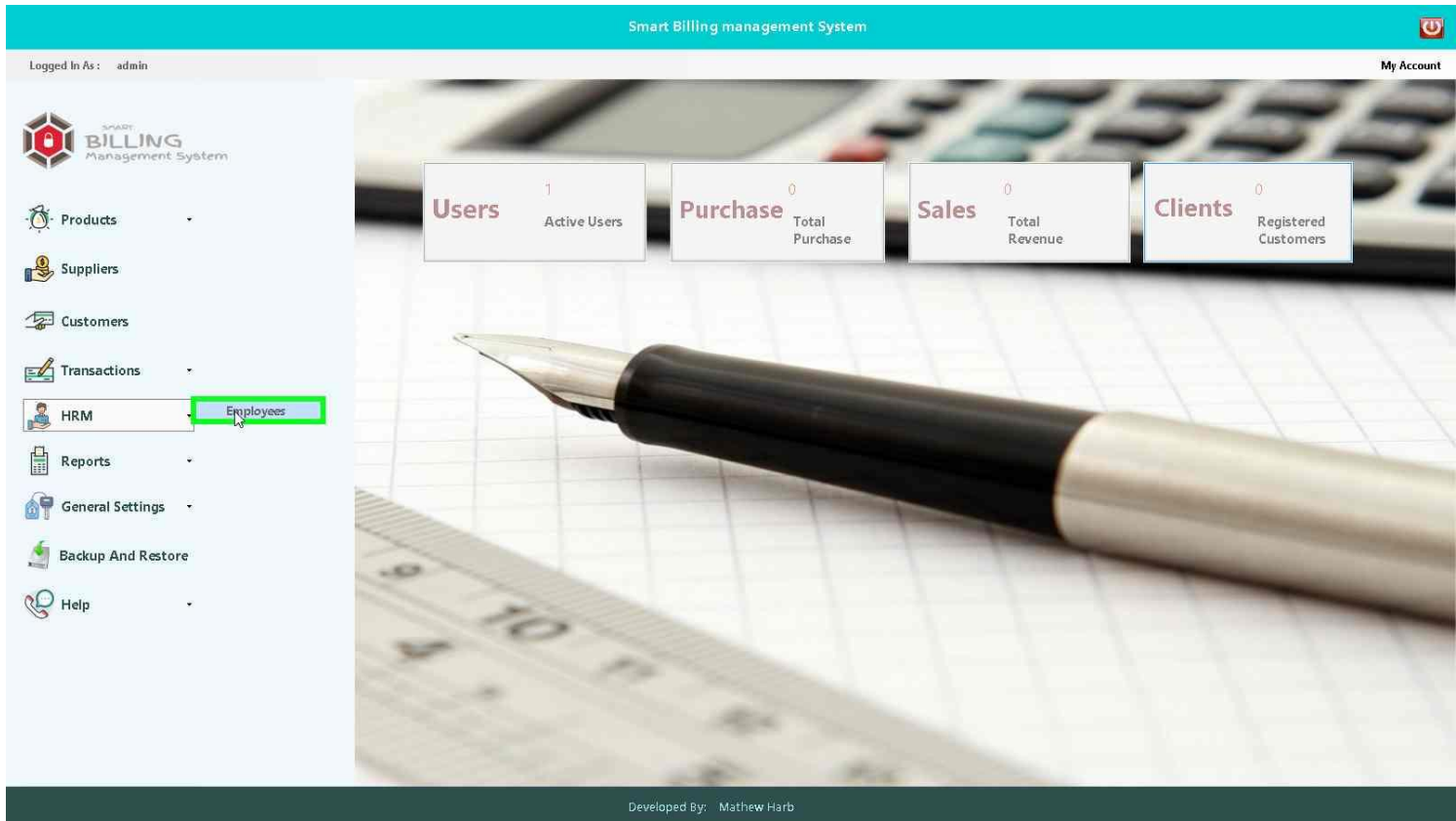
16. When You have successfully logged in as Admin, the first thing you need to do is click on the "**General Settings**" Menu and selecting "**Application Settings**" to edit the software settings

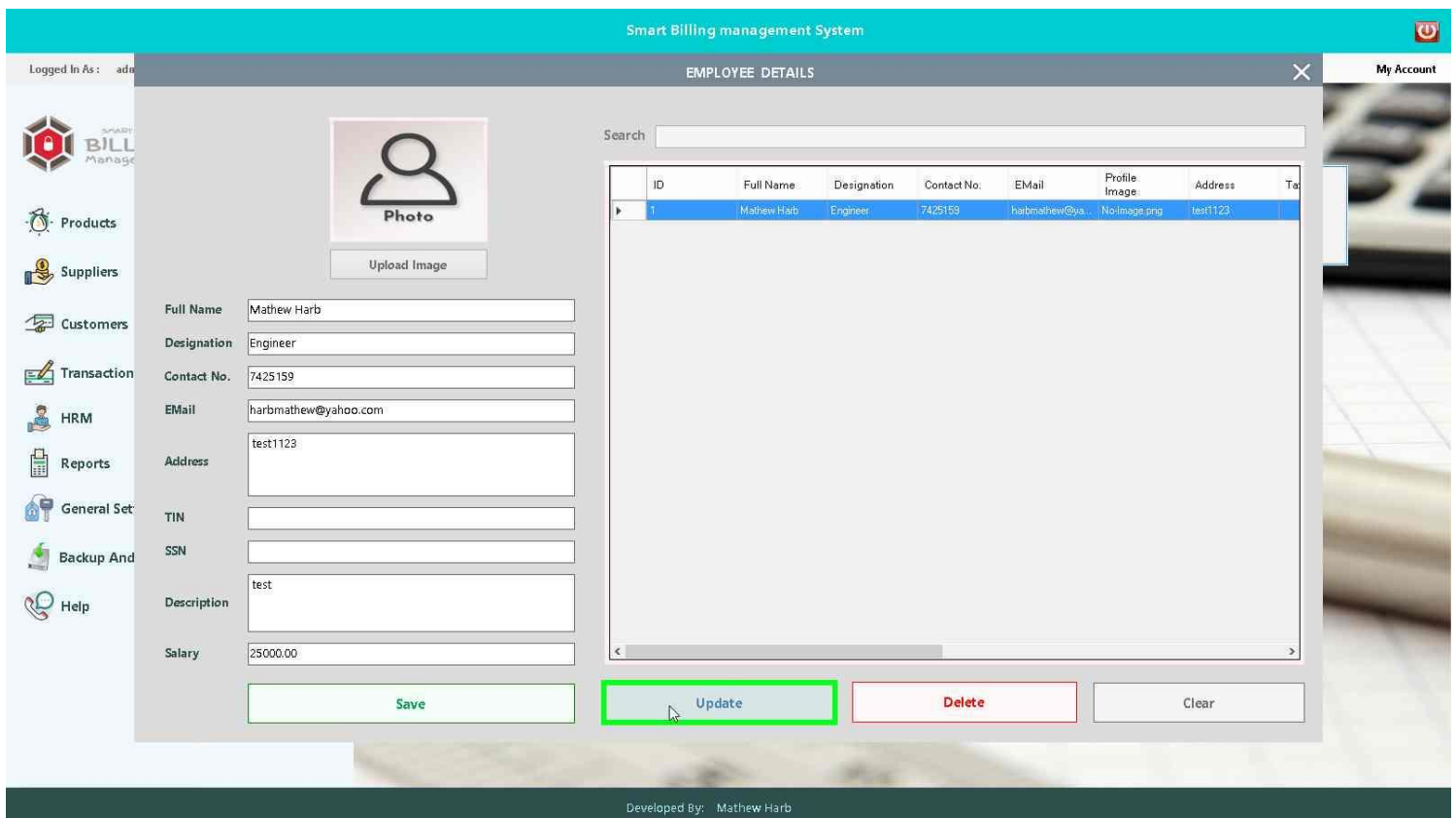
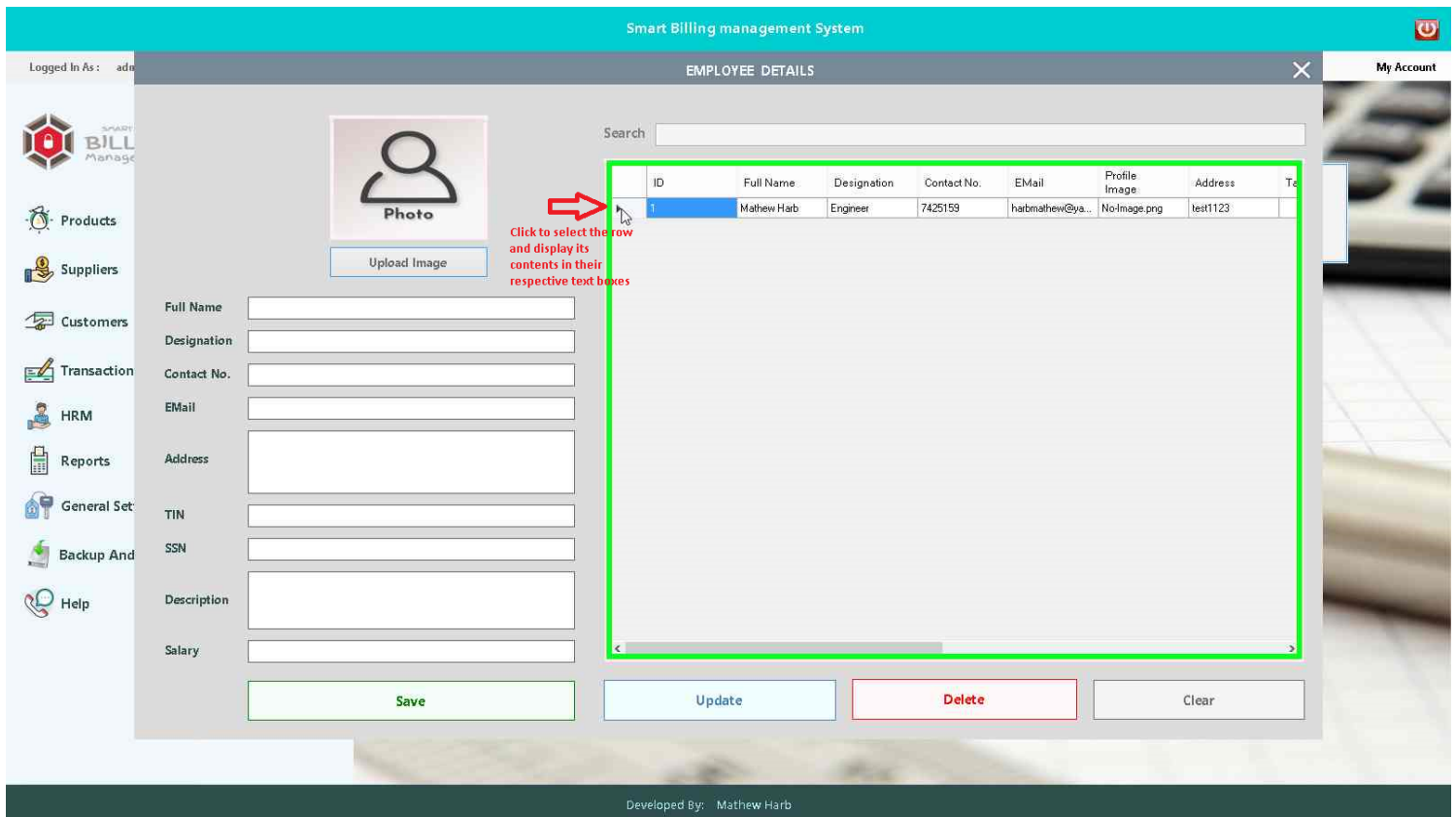


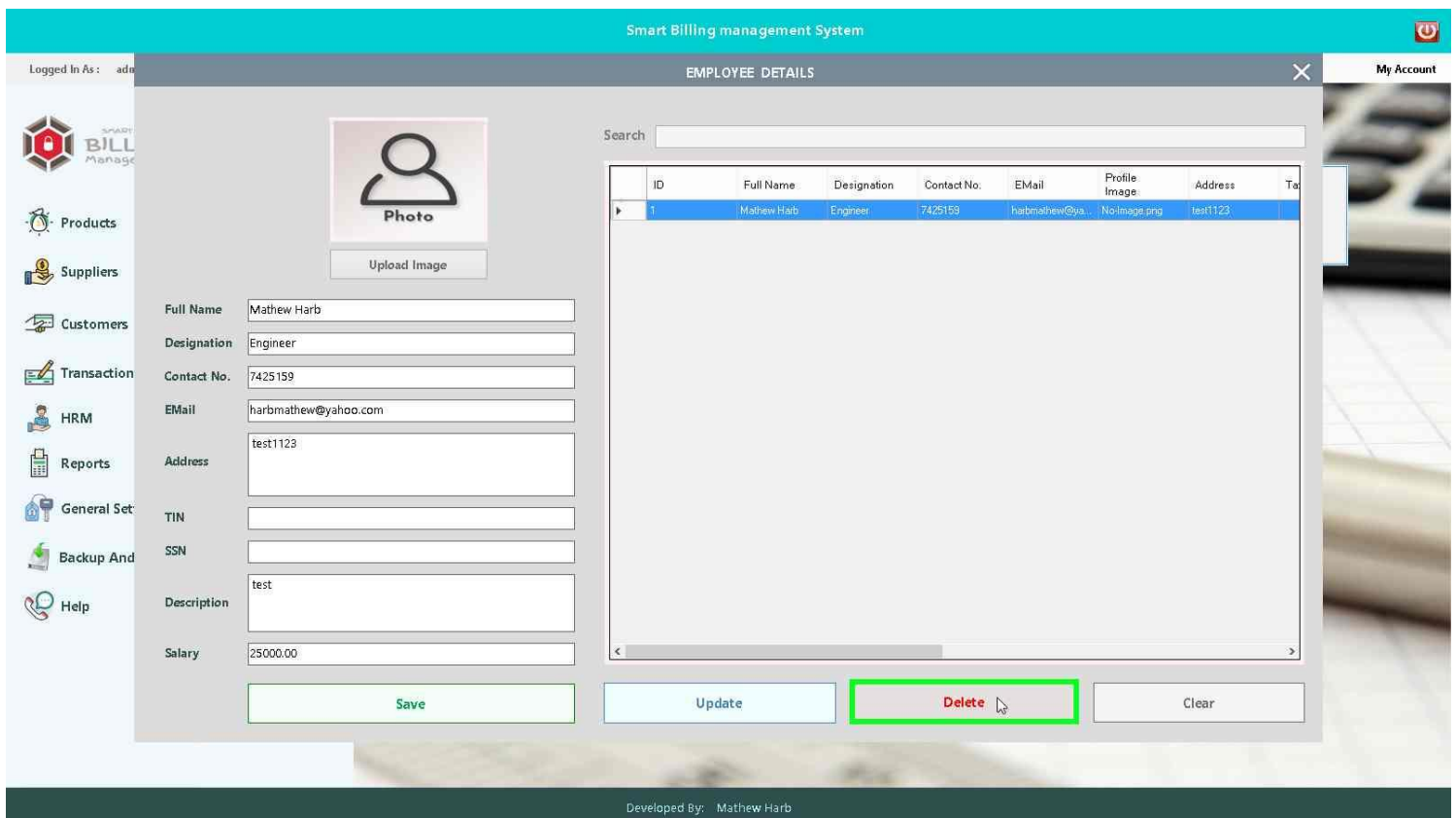
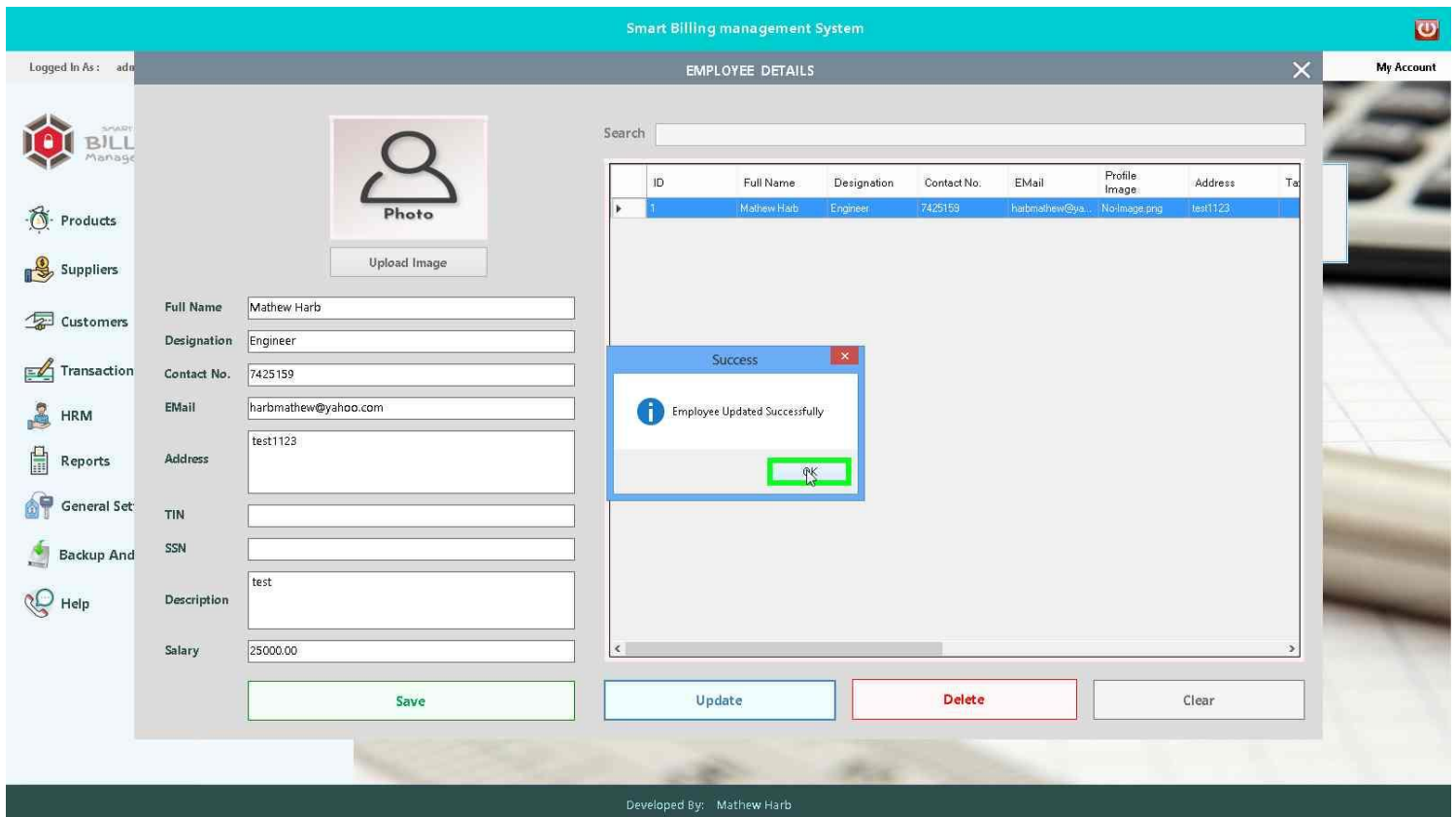
17. Then in the "General Settings" Menu, select "Financial Years" to add your Business Years including the current Year



18. Once you have updated your settings, then click on the **"HRM"** menu and select **"Employees"** to add Employee







19. To give an employee access to the system, click the **"General Settings"** Menu and select **"User Settings"** from the drop down select **"Add User"** and type the name in search bar to display the user.

The screenshot shows the 'Smart Billing management System' interface. On the left is a sidebar with menu items: Products, Suppliers, Customers, Transactions, HRM, Reports, General Settings, Backup And Restore, and Help. The 'General Settings' menu is expanded, and 'User Settings' is selected. A 'CREATE USER' modal form is open in the center. The form contains the following fields: 'Type: Employee Name or ID' (with 'ma' entered), 'Select User Type' (dropdown set to 'Admin'), 'Full Name' (with 'Mathew Harb' entered), 'Contact No' (with '7425159' entered), and 'EMail' (with 'harbmathew@yahoo.com' entered). Below these is the 'Add Login Details' section with 'Username' (highlighted with a green box), 'Password', and 'Confirm Password' fields. At the bottom are 'Save' and 'Clear' buttons. In the background, there are summary cards for 'Users' and 'Clients', and a 'Total Revenue' card. The footer indicates 'Developed By: Mathew Harb'.

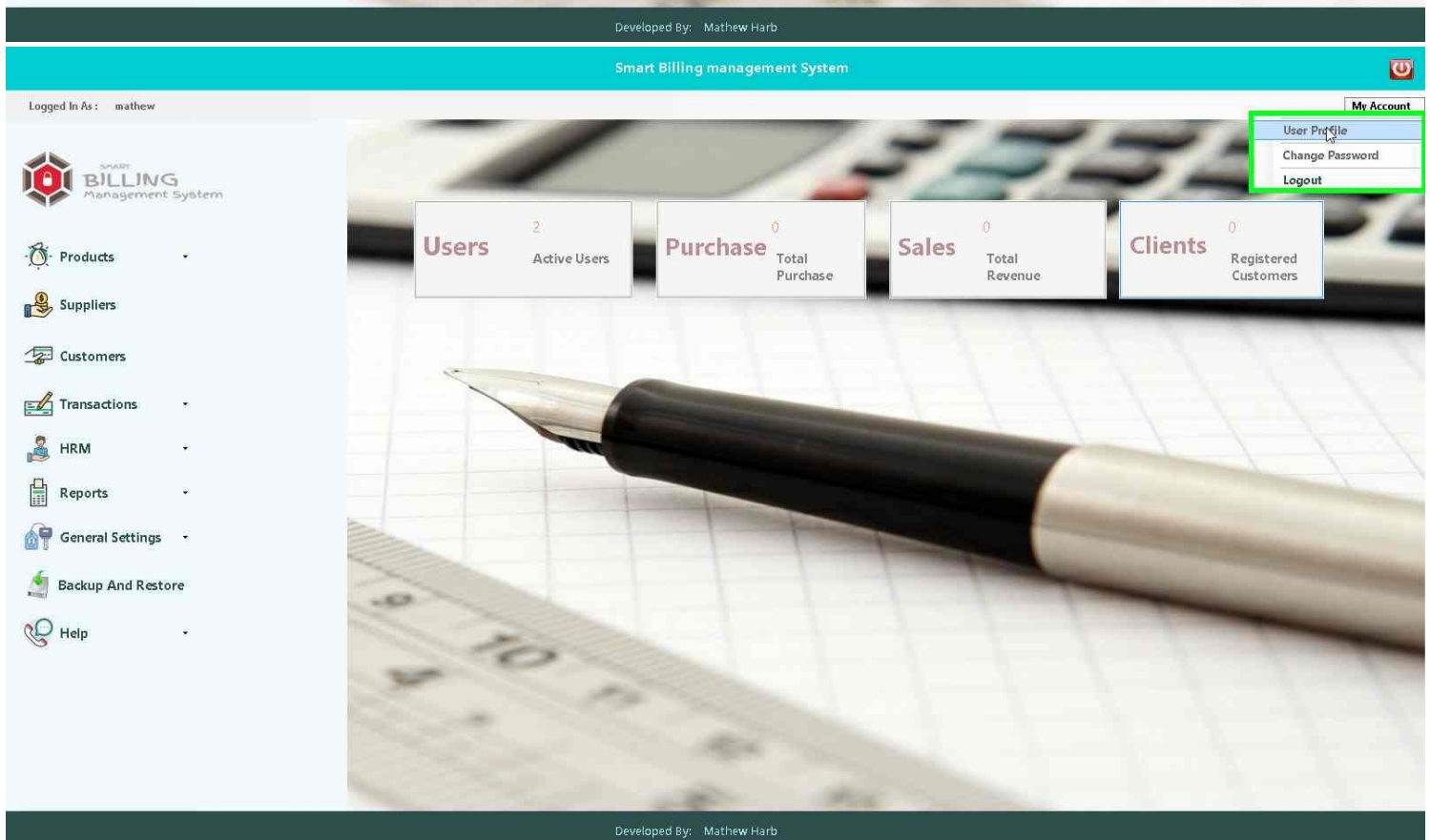
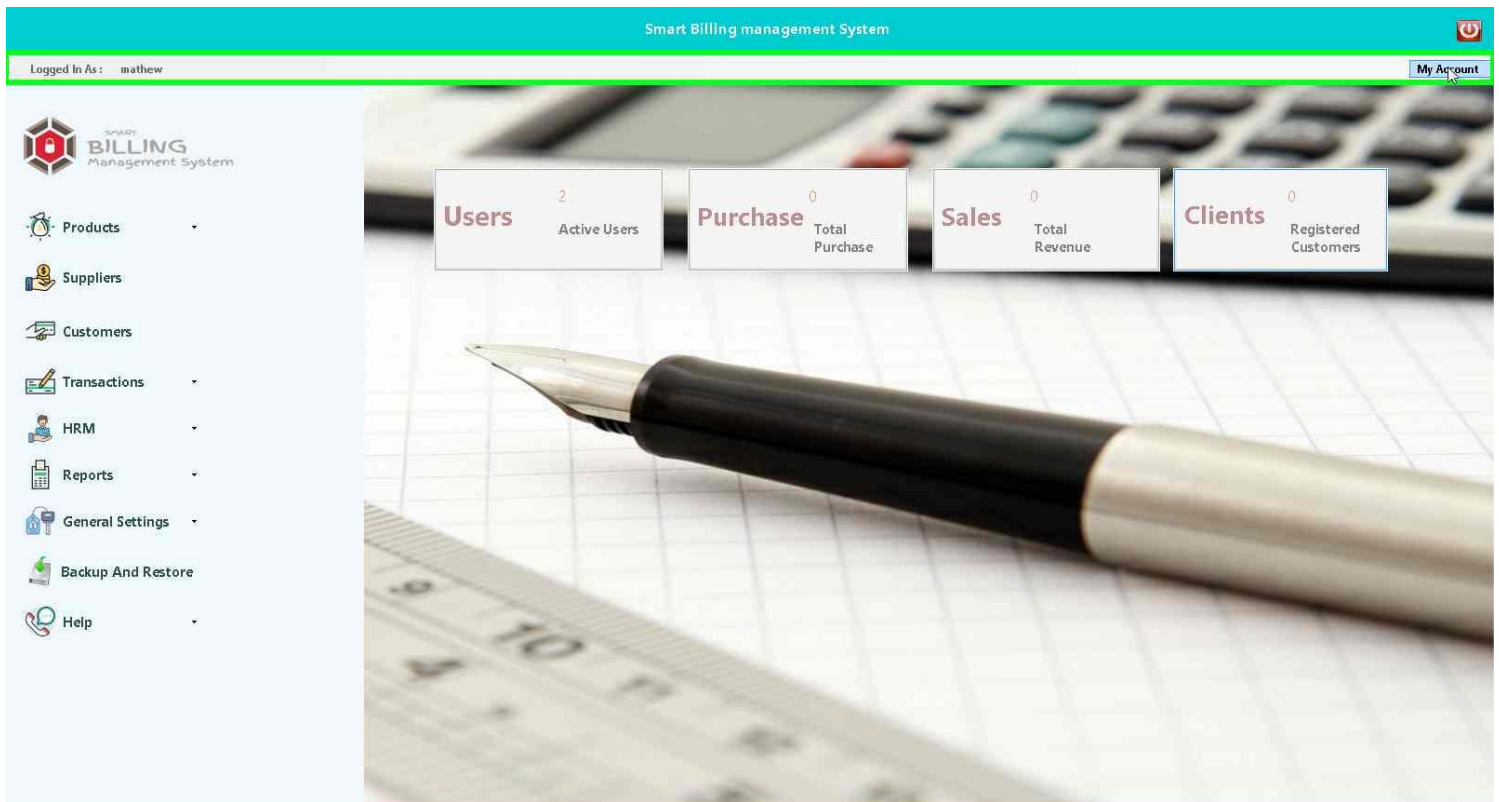
20. Once the user credentials is saved it will redirect to the **"Users"** window where you can select the role for that particular user and make the user **active** or **inactive**

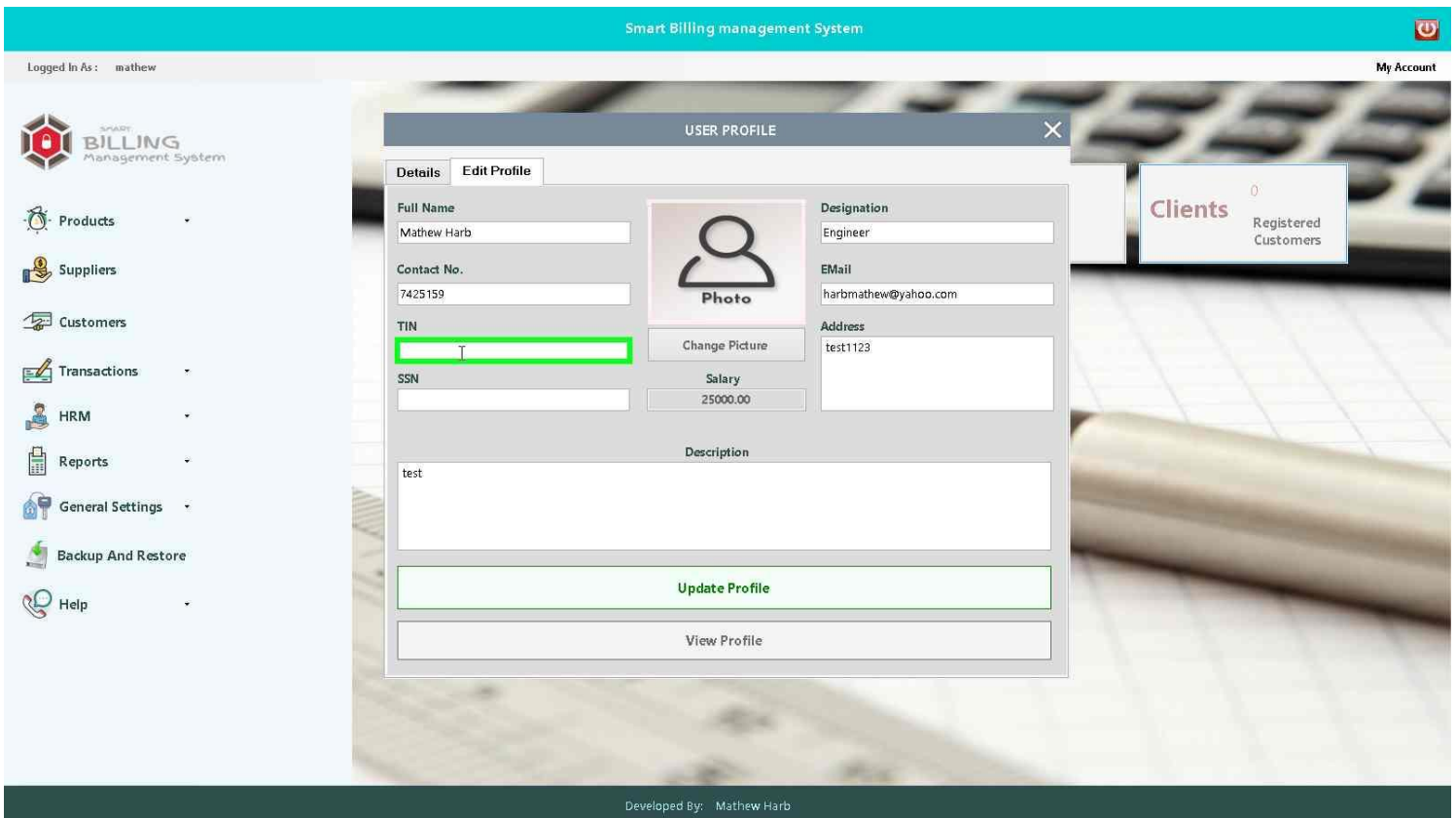
The screenshot shows the 'USERS' window. On the left, there are input fields for 'Full Name' (Mathew Harb), 'Contact No' (7425159), and 'EMail' (harbmathew@yahoo.com). Below these is a 'Login Details' section (highlighted with a green box) containing fields for 'Username' (mathew), 'User Type' (Admin), 'Password' (masked with asterisks), 'Confirm Password', 'Role', and 'Is Active' (False). At the bottom are 'Update' and 'Clear' buttons. On the right, there is a search bar and a '+ New User' button. Below is a table with the following data:

	ID	Full Name	Contact No.	Email	Username	User Type	Role	Active
	3				admin	Admin	Admin	<input checked="" type="checkbox"/>
	4	Mathew Harb	7425159	harbmathew@yahoo.com	mathew	Admin		<input type="checkbox"/>

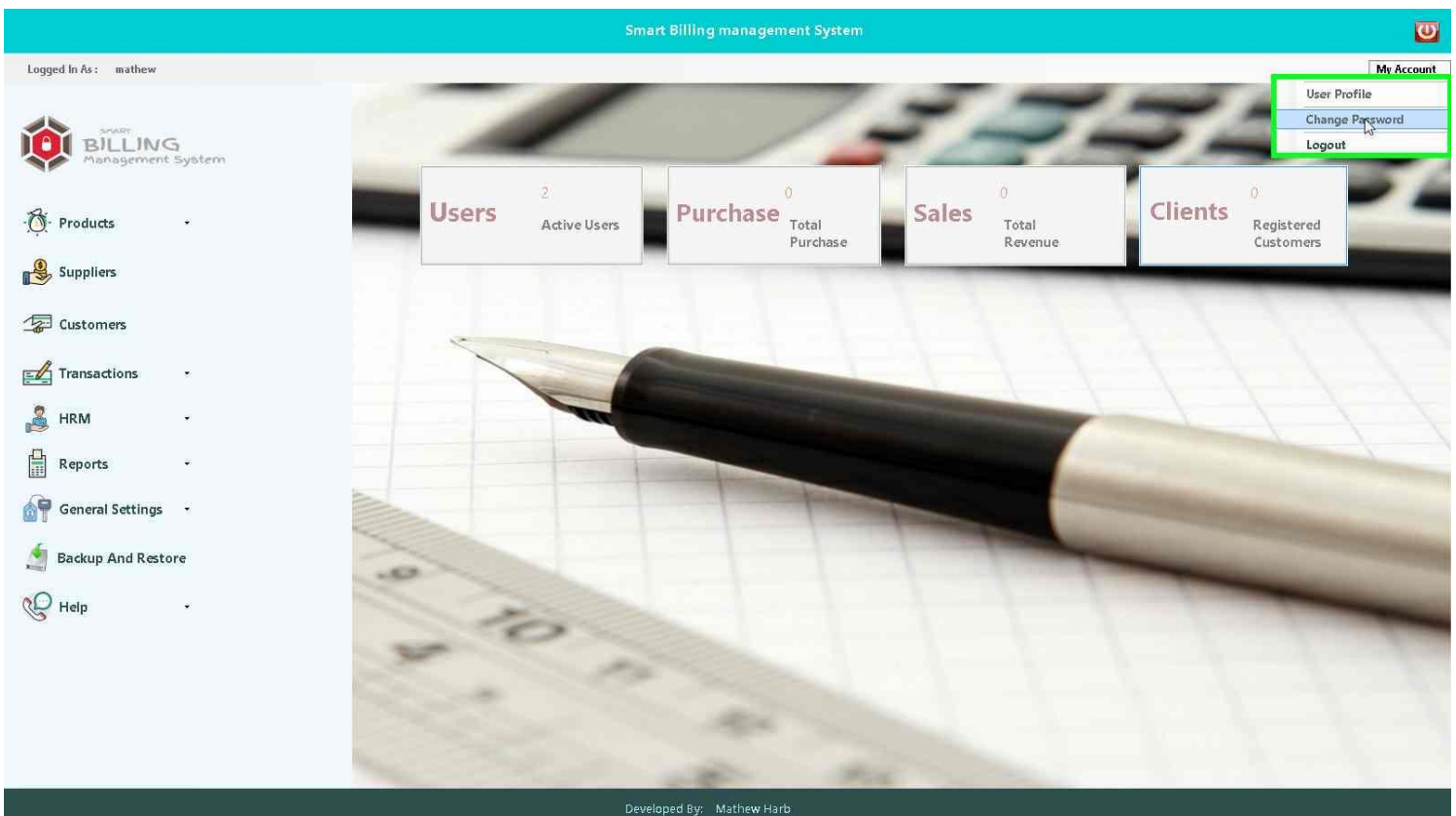
A red arrow points to the row with ID 4, and a red text box next to it says: 'Click To Select the Row: this displays the details in their corresponding text boxes'.

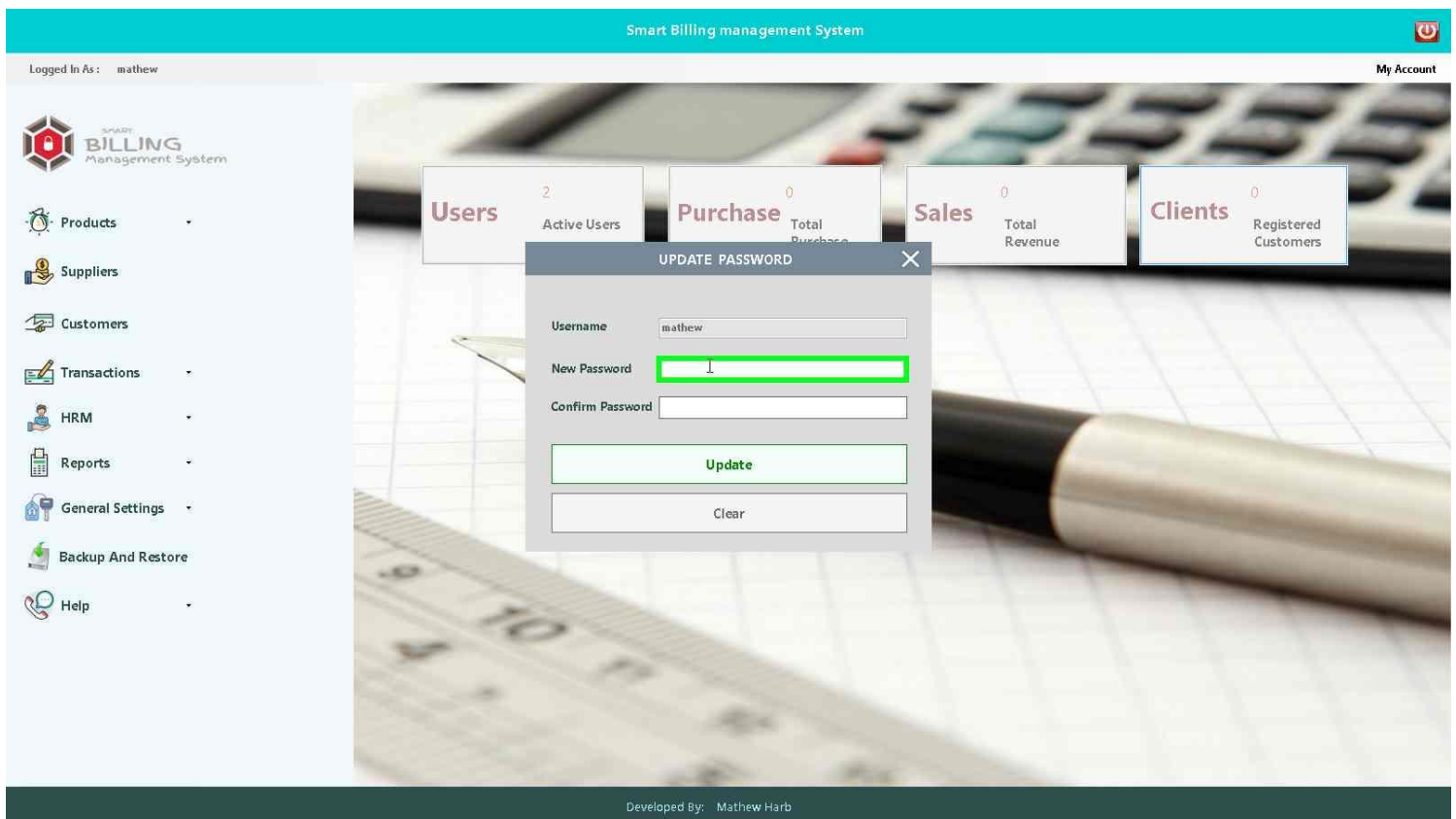
21. To update your own profile, click on **"My Account"** menu located at the top right corner of the application, and select **"User Profile"**





22. To Update your own password, click on **"My Account"** menu located at the top right corner of the application and select **"Change Password"**





Do Not Hesitate To Contact Me Via Email or WhatsApp, if You have any Question or Suggestions regarding the Software.

Email: harbmathew@yahoo.com

WhatsApp: +2207425159

Please Feel Free To Buy Me Coffee If You Find This software Useful to any of your Cause.

FOR DEVELOPERS

- The folder named "**MODELS**" contains all the Business Logic
- The folder named "**CONTROLLER**" contains all the Data Access Layer
- The folder named "**VIEW**" contains the User Interface-UI
- The folder named "**MODULES**" contains the backup and restore class
- The folder named "**Logs**" contains the error logs file