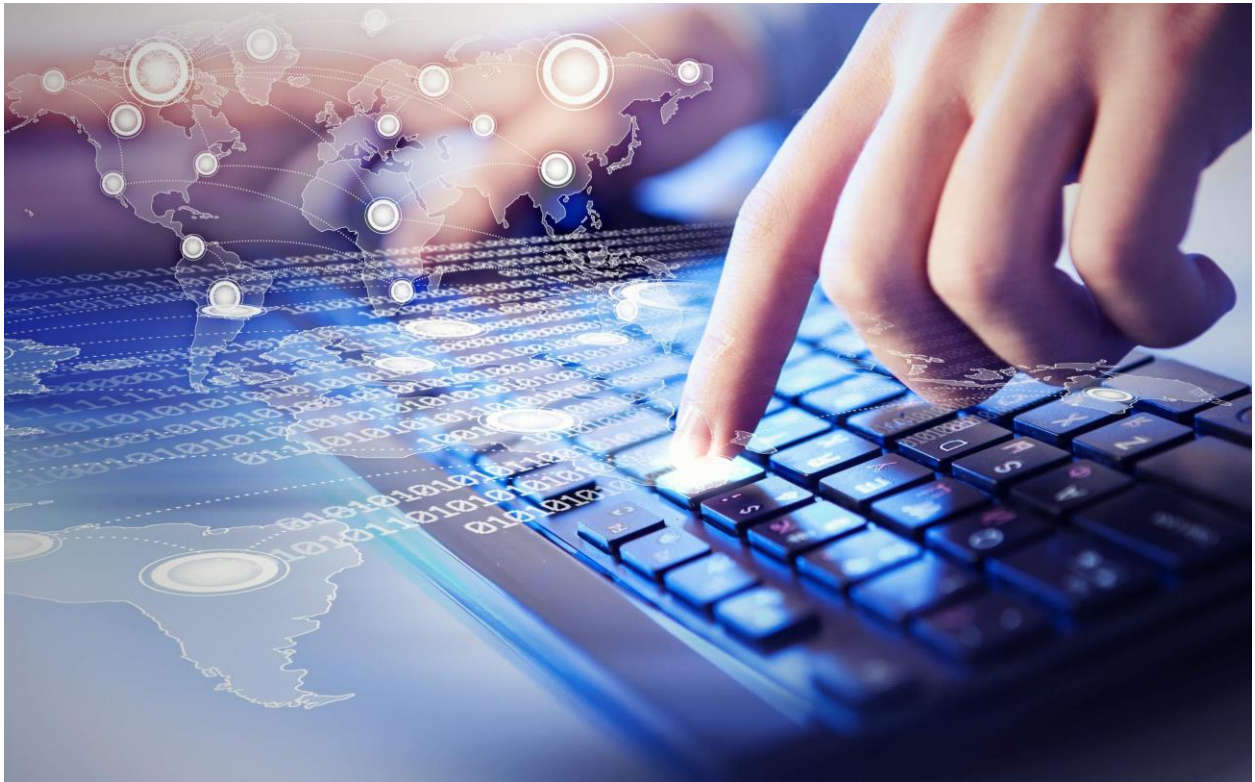


PROJECT

Title: „*Banking application testing project*”



Source: <https://www.psginco.com/wp-content/uploads/2018/10/2d270e49da918c031a03a54eaafb62c0.jpg>

Project of the subject: Organizacja środowiska testowania oprogramowania

Author:

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1. Description

The project involves testing and finding defects on the website: <http://demo.guru99.com>.

There are 4 software versions (V1, V2, V3 and V4).

The aim of the project is to trace the bugs found in subsequent versions of the software.

Equipment specification:

- version: Windows 10 Pro x64
- processor: Intel Core i5-8350U
- RAM: 8,00 GB
- web browser: Microsoft Edge, version 87.0.664.66

2. Single bugs in software versions

2.1. Bug in first version

In the first version of the program (V1), there is still a defect that makes it impossible to create a new account in the application, even though many attempts have been made. That is why the defect tracing started with the second software version (V2), and then moved on to the next software versions (V3 and V4).

The screenshot shows a web browser window with the URL `demo.guru99.com/V1/html/addcustomerpage.php`. The page is titled "Demo Site" and features a navigation bar with links to various projects: Selenium, Insurance Project, Agile Project, Bank Project, Security Project, Telecom Project, Payment Gateway Project, and New Tours. Below the navigation bar, there is a section for "GtPI Bank" with a "Manager" sidebar containing links like "New Customer", "Edit Customer", "Delete Customer", "New Account", "Edit Account", "Delete Account", "Mini Statement", "Customised Statement", and "Log out". The main content area is titled "Add New Customer" and contains a form with the following fields: "Customer Name*" (filled with "Marek"), "Gender*" (radio buttons for "male" and "female", with "male" selected), "Date of Birth*" (filled with "1999-12-19"), "Address*" (filled with "Nowa 2"), "City*" (filled with "Wojnicz"), "State*" (filled with "Malopolska"), "PIN*" (filled with "338302"), "Telephone Number*" (filled with "5671387894678"), and "E-mail*" (filled with "nowa@gmail.com"). At the bottom of the form, there is a note "* mandatory fields" and two buttons: "Submit" and "Reset". A "Home" link is visible in the bottom right corner.

Source: screenshot made by the author of the project for V1

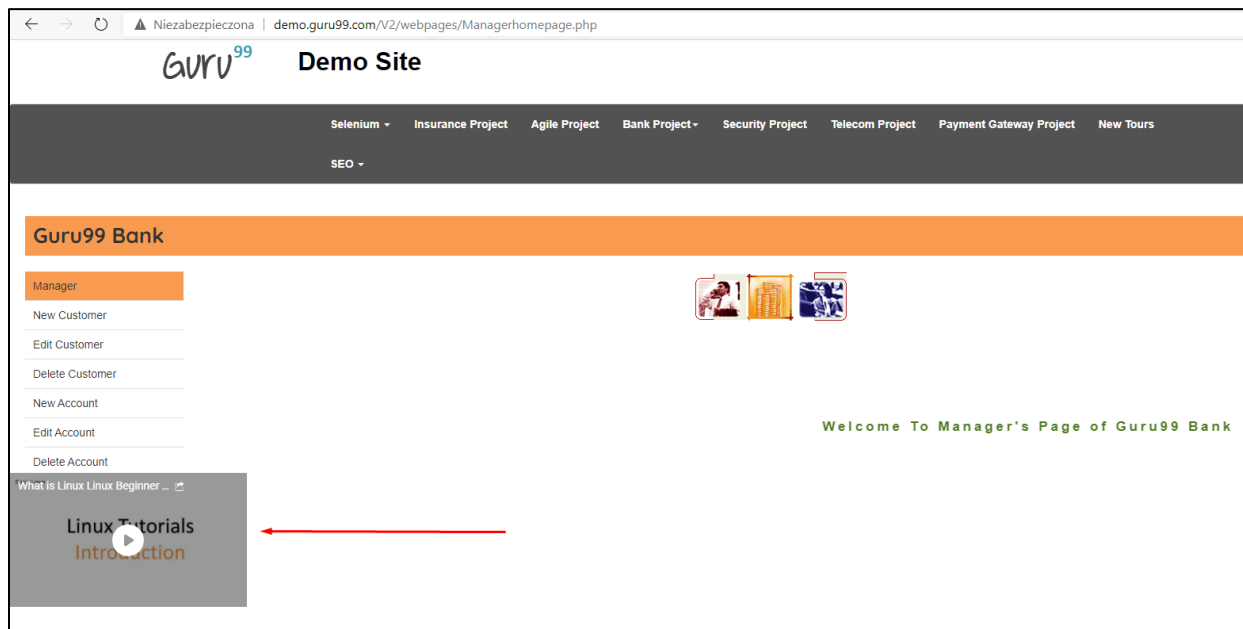
The screenshot shows a web browser window with the URL `demo.guru99.com/V1/html/insrtCustomer.php`. The page displays an error message: "Could not connect: Access denied for user 'root'@'localhost' (using password: NO)".

Source: screenshot made by the author of the project for V1

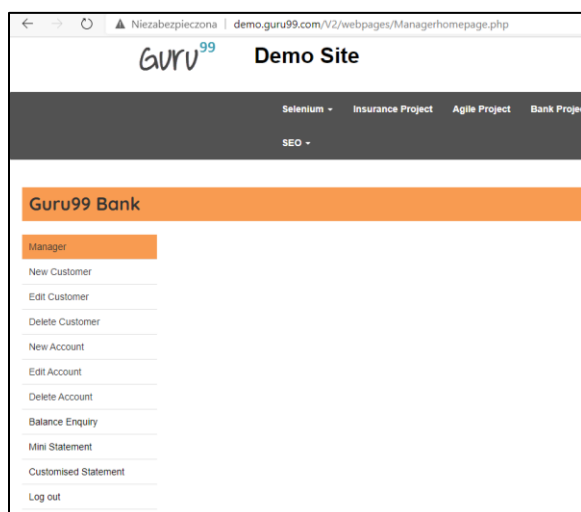
2.2. Bug in second version

There is a bug in the main page with an advertisement that hides the panel with functions on the left side. It is not possible to close or move the advertisement. So, we don't have the ability to use a feature like this: "Balance Enquiry", "Mini Statement", "Customised Statement" or even "Log out".

During the test of creating a new client, this advertisement was automatically moved under the panel with functions and there was an "x" sign to close the advertisement. Unfortunately, this is not present on the main page.



Source: screenshot made by the author of the project for V2



Source: screenshot made by the author of the project for V2

2.3. Bug in third version

There is a defect when transferring money from one bank account to another.

After creating two different clients, one account was created for each of them in the bank application.

Each customer had 10000 funds.

Account Generated Successfully!!!	
Created Account details are as follows:	
Account ID	88507
Customer ID	11223
Customer Name	Karolina
Email	k@a@ro@gmail.c1o1m1
Account Type	Current
Date of Opening	2021-01-02
Current Amount	10000
Continue	

Source: screenshot made by the author of the project for V3

Account Generated Successfully!!!	
Created Account details are as follows:	
Account ID	88508
Customer ID	33718
Customer Name	Adrianna
Email	asf12443a2@op.com
Account Type	Current
Date of Opening	2021-01-02
Current Amount	10000
Continue	

Source: screenshot made by the author of the project for V3

Next, 5000 funds were transferred from account number 88507 to account number 88508.

Fund Transafer Details for Account No: 88507

Amount	5000
FROM ACCOUNT NUMBER	88507
TO ACCOUNT NUMBER	88508
Description	asd
Continue	

Source: screenshot made by the author of the project for V3

The first account decreased by 5000 funds, while the second account did not have transferred 5000 funds.

Balance Details for Account 88507	
Account No	88507
Type of Account	Current
Balance	5000
Continue	

Source: screenshot made by the author of the project for V3

Balance Details for Account 88508	
Account No	88508
Type of Account	Current
Balance	10000
Continue	

Source: screenshot made by the author of the project for V3

2.4. Bug in fourth version

In the fourth version there is a bug, which allows the saved PIN code to be below 6 digits and even though a message about it appears. The defect appears while editing the client.

Niezabezpieczona | demo.guru99.com/V4/manager/editCustomerPage.php

Guru⁹⁹ Demo Site

Selenium ▾ Insurance Project Agile Project Bank Project ▾ Security Project Telecom Project Payment Gateway Project N
SEO ▾

Edit Customer

Customer Name

Gender

Date of Birth

Address

City

State

PIN PIN Code must have 6 Digits

Mobile Number

E-mail

Source: screenshot made by the author of the project for V4

Customer details updated Successfully!!!	
Updated Customer details are as follows:	
Customer ID	6421
Customer Name	Weronika
Gender	female
Birthdate	2000-02-01
Address	Maluff2 2
City	Rzeszow
State	Podkarpacie
Pin	5618
Mobile No.	891861819
Email	onet222@gmail.com
Continue	

Source: screenshot made by the author of the project for V4

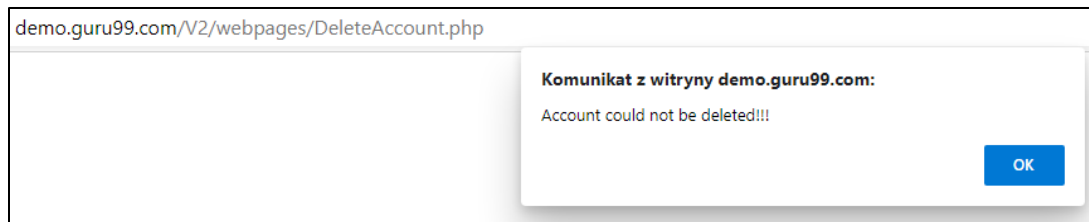
3. Bug tracking in software versions

I. First Bug

The first bug concerns the problem with deleting the Account from the database.

a. Version 2

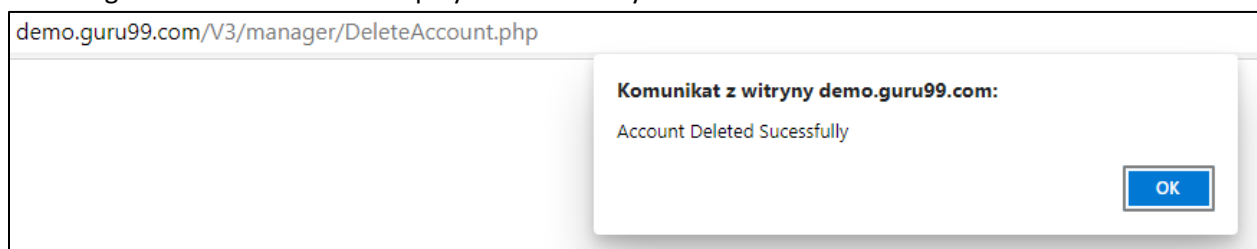
In the second version of the software there is a bug which makes it impossible to delete the account. It is unavailable to test this feature of the program.



Source: screenshot made by the author of the project for V2

b. Version 3

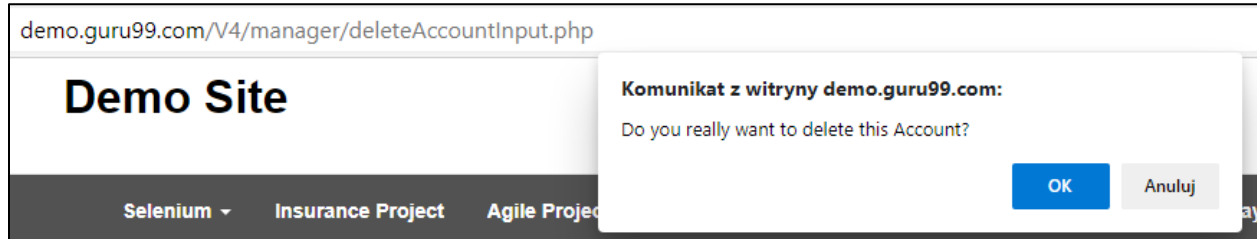
In the third version of the software, it is possible to delete an Account immediately after entering its ID. A message about its deletion is displayed as soon as you click "SUBMIT".



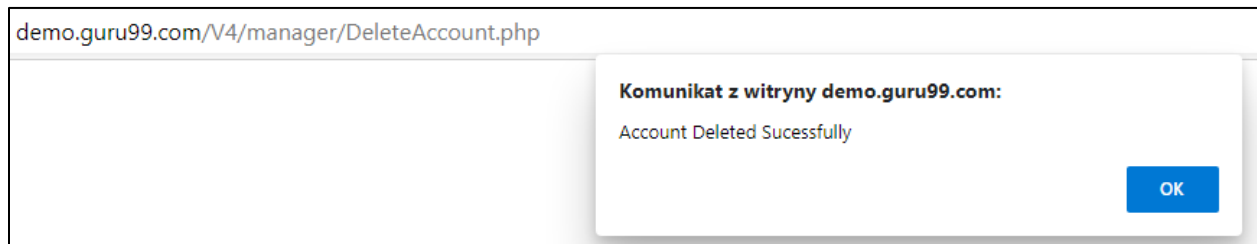
Source: screenshot made by the author of the project for V3

c. Version 4

In the fourth version of the software we also have the possibility to remove the Account from the database. Additionally, after clicking "Submit", a window will appear if you want to delete the account. This is a very good protection when, for example, not this client was to be deleted.



Source: screenshot made by the author of the project for V4



Source: screenshot made by the author of the project for V4

II. Second Bug

The second error that was found was the bug in the possibility of creating a new client in the database that has not yet been born.

a. Version 2

The date 2021-02-02 hasn't happened yet, and yet it is possible to create such a client in the database.

The screenshot shows a web browser window with the URL `demo.guru99.com/V2/webpages/addcustomerpage.php`. The page title is "Guru99 Bank". On the left, there is a sidebar menu with options: Manager, New Customer, Edit Customer, Delete Customer, New Account, Edit Account, Delete Account, Balance Enquiry, Mini Statement, Customised Statement, and Log out. The main content area is titled "Add New Customer" and contains the following form fields:

- Customer Name:
- Gender: ☒ male ☐ female
- Date of Birth: (with a calendar icon)
- Address:
- City:
- State:
- PIN:
- Mobile Number:
- E-mail:

At the bottom of the form are two buttons: "Submit" and "Reset". A red arrow points to the "Date of Birth" field.

Source: screenshot made by the author of the project for V2

The screenshot shows a success message dialog box with the following text:

Komunikat z witryny demo.guru99.com:
Customer added successfully !!!.
Generated Customer ID: 58264

At the bottom right, there is a blue button labeled "OK".

Source: screenshot made by the author of the project for V2

b. Version 3

Also in the third version there is a bug, which allows you to enter a date that has not yet occurred.

The screenshot shows the 'Add New Customer' form on the Guru99 Bank Demo Site. A red arrow points to the 'Date of Birth' field, which contains the date '2022-02-02'. The form includes fields for Customer Name, Gender, Date of Birth, Address, City, State, PIN, Mobile Number, E-mail, and Password. The Password field is highlighted with an orange border.

Add New Customer	
Customer Name	Adrian
Gender	<input checked="" type="radio"/> male <input type="radio"/> female
Date of Birth	2022-02-02
Address	Ogrodnicza 2
City	Poznan
State	Mazo
PIN	354352
Mobile Number	615318616
E-mail	pazo@gmail.com
Password	*****
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Source: screenshot made by the author of the project for V3

Customer Registered Successfully!!!	
Registered Customer details are as follows:	
Customer ID	651
Customer Name	Adrian
Gender	male
Birthdate	2022-02-02
Address	Ogrodnicza 2
City	Poznan
State	Mazo
Pin	354352
Mobile No.	615318616
Email	pazo@gmail.com
Continue	

Source: screenshot made by the author of the project for V3

c. Version 4

Also in the fourth version there is a bug, which allows you to enter a date that has not yet occurred.

← → ↺

Niezabezpieczona | demo.guru99.com/V4/manager/addcustomerpage.php

SEO

Guru99 Bank

Manager

New Customer

Edit Customer

Delete Customer

New Account

Edit Account

Delete Account

Deposit

Withdrawal

Fund Transfer

Change Password

Balance Enquiry

Mini Statement

Customised Statement

Log out

Add New Customer

Customer Name

Karolina

Gender

♂male

♀female

Date of Birth

2021-02-02

Address

Nowa 2

City

Rzeszow

State

Podkarpacie

PIN

328135

Mobile Number

3545486481

E-mail

karo56822@gmail.co

Password

Submit

Reset

Source: screenshot made by the author of the project for V4

Customer Registered Successfully!!!	
Registered Customer details are as follows:	
Customer ID	11223
Customer Name	Karolina
Gender	female
Birthdate	2021-02-02
Address	Nowa 2
City	Rzeszow
State	Podkarpacie
Pin	328135
Mobile No.	3545486481
Email	karo56822@gmail.co
Continue	

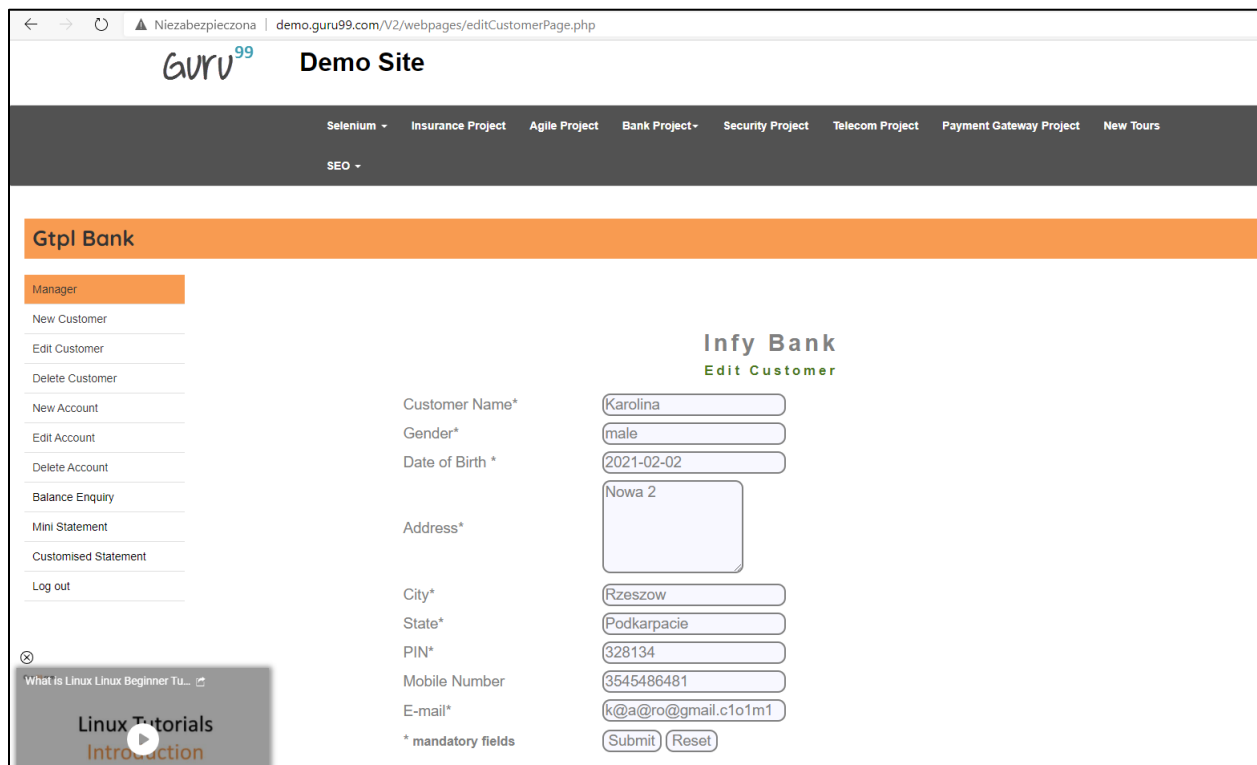
Source: screenshot made by the author of the project for V4

III. Third Bug

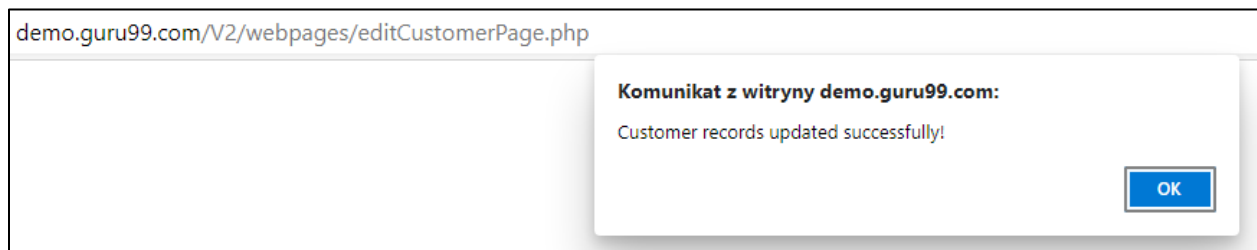
The third defect found is the possibility of entering an incorrect email address. The bug was found while performing tests in client edit panel. Message: "email-ID is not valid" does not appear.

a. Version 2

For an email address to be valid, it must contain, among other things, only one "@" character. In the second version of the software, the program allows you to enter much more of this character in the email address field.



Source: screenshot made by the author of the project for V2



Source: screenshot made by the author of the project for V2

b. Version 3

The fourth version of the software also contains the same bug as the second version.

The screenshot shows the 'Edit Customer' form on the Guru99 Bank Demo Site. The form includes fields for Customer Name, Gender, Date of Birth, Address, City, State, PIN, Mobile Number, and E-mail. A red arrow points to the E-mail field, which contains the text 'k@@@ro@gmail.c1o1m1'. The form also has 'Submit' and 'Reset' buttons.

Edit Customer	
Customer Name	Karolina
Gender	female
Date of Birth	2021-02-02
Address	Nowa 2
City	Rzeszow
State	Podkarpacie
PIN	328135
Mobile Number	3545486481
E-mail	k@@@ro@gmail.c1o1m1
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Source: screenshot made by the author of the project for V3

The screenshot shows the 'Customer details updated Successfully!!!' message on the Guru99 Bank Demo Site. The message displays the updated customer details in a table format.

Customer details updated Successfully!!!	
Updated Customer details are as follows:	
Customer ID	11223
Customer Name	Karolina
Gender	female
Birthdate	2021-02-02
Address	Nowa 2
City	Rzeszow
State	Podkarpacie
Pin	328135
Mobile No.	3545486481
Email	k@@@ro@gmail.c1o1m1
Continue	

Source: screenshot made by the author of the project for V3

c. Version 4

The fourth version of the software also contains the same bug as the second and third versions.

The screenshot shows the 'Guru99 Bank Demo Site' with a navigation bar containing links like 'Selenium', 'Insurance Project', 'Agile Project', 'Bank Project', 'Security Project', 'Telecom Project', 'Payment Gateway Project', and 'New Tours'. The 'Manager' sidebar is active, showing options like 'New Customer', 'Edit Customer', 'Delete Customer', etc. The 'Edit Customer' form is displayed with the following fields:

- Customer Name: Ewelina
- Gender: male
- Date of Birth: 2021-05-02
- Address: Kwiat 2
- City: Rzeszow
- State: Podkarpacie
- PIN: 161681
- Mobile Number: 61616641681
- E-mail: a@r2@3o@gmail.c@om

Buttons for 'Submit' and 'Reset' are at the bottom of the form. A red arrow points from the 'E-mail' field to the 'Manager' sidebar.

Source: screenshot made by the author of the project for V4

The screenshot shows the 'Guru99 Bank Demo Site' with the same navigation bar. The 'Manager' sidebar is active. A message box displays the following information:

Customer details updated Successfully!!!

Updated Customer details are as follows:

Customer ID	20738
Customer Name	Ewelina
Gender	male
Birthdate	2021-05-02
Address	Kwiat 2
City	Rzeszow
State	Podkarpacie
Pin	161681
Mobile No.	61616641681
Email	a@r2@3o@gmail.c@om

A 'Continue' link is at the bottom of the message box.

Source: screenshot made by the author of the project for V4

4. Table with software bugs

Defect #	Version	Description	Criticality/Priority	Version fix
ID 1	V2	Is not possible to delete an Account.	High/High	V3/V4
ID 2	V2	It is possible to create a new customer with a date that has not yet happened.	High/Low	None (bug is present in all software versions)
ID 3	V2	It is possible to edit and save an incorrect customer e-mail while editing customer data.	High/Low	None (bug is present in all software versions)