



Guru99 Bank Web Application

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TesterRemoteEE24

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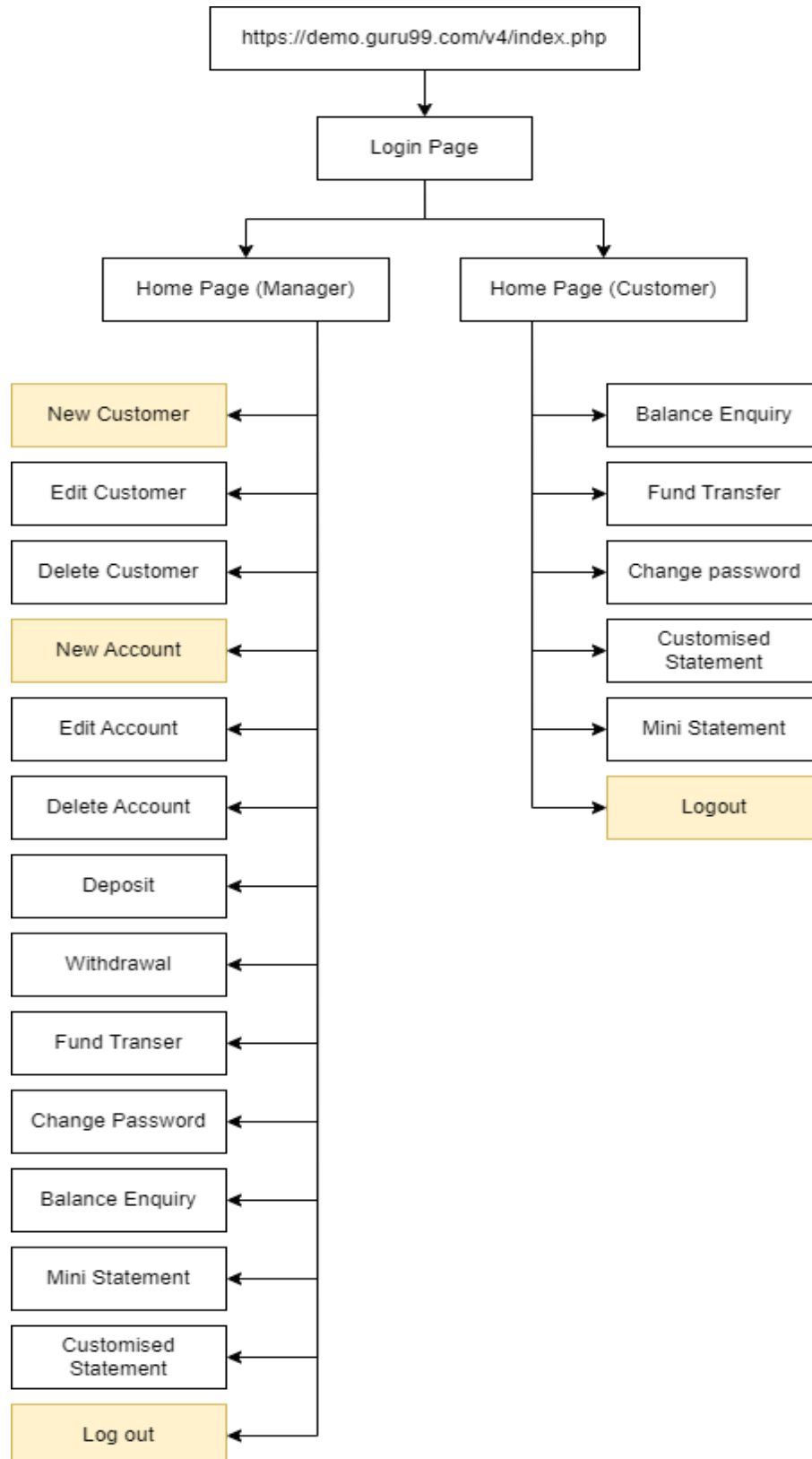
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OVERVIEW

The [Guru99](#) Bank is a web application that provides functionality for banking facilities to its customers. It is a standard emulation for adding, editing, and deleting customers and accounts, depositing and withdrawing money, and all other money-transferring operations.

The purpose of the project is to assess the user registration functionality of the Guru99 Bank web application and identify any non-compliance with the application's requirements.

TESTING SECTION

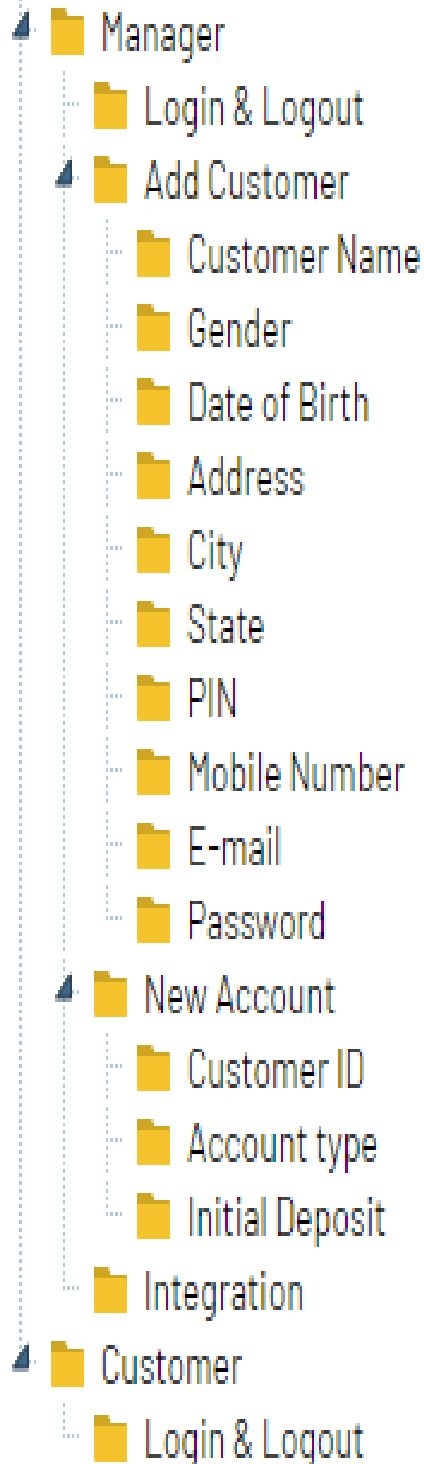


TEST CHECKLIST

ID	Test Scenario		Test Cases
1.1	Manager	Login & Logout	Verify that a manager can log in and log out
2.1		New Customer	Verify that a manager can add a new customer record
2.2			Verify that the customer's name field does not accept numbers, special symbols, or blank input
2.3			Verify that the gender radio button is accessible and operational
2.4			Verify that the date of birth field does not allow entry of future dates, individuals younger than 18 years old, or individuals older than 150 years old
2.5			Verify that the address field does not accept only numbers, special symbols, or blank input
2.6			Verify that the city field does not accept only numbers, special symbols, or blank input and controls for city existence
2.7			Verify that the state field does not accept only numbers, special symbols, or blank input and controls for city existence
2.8			Verify that the PIN field does not accept only characters, special symbols, or blank input and prompts for a 6-digit PIN
2.9			Verify that the mobile number field does not accept characters, special symbols, or blank input
2.10			Verify that the email field does not accept inputs without '@', blank input, or an invalid top-level domain
2.11			Verify that the password field does not accept blank input
3.1		New Account	Verify that a manager can create a new customer account
3.2			Verify that the customer ID field does not accept characters special symbols or blank input
3.3			Verify that the account type selector is accessible and operational
3.4			Verify that the initial deposit field accepts characters, special symbols, blank input, or amounts lower than 500
1.2	Customer	Login & Logout	Verify that a customer can log in and log out

TEST CASES

TestRail




Before starting to test the bank web application, I reviewed the project [requirements](#), which described that the web application is accessible from two roles: manager and customer. I decided to test the login and logout functionalities, as well as adding customers and creating new accounts from the manager's side. From the customer's perspective, I focused solely on the login and logout functionality. In total, I created 43 test cases. To enhance clarity, I organized these test cases into manager and customer sections within TestRail. In the manager's section, as shown in the screenshot on the left, I created subsections under features, and within these subsections, there are test cases for each data field.

Master





Testing the features associated with the manager's role

Login & Logout

Login & Logout 1 

Testing login and logout features

ID	Title
C4	[Manager] Login and Logout Functionality

C4 [Manager] Login and Logout Functionality   Defects  

Manager > Login & Logout

Type	Priority	Estimate	References
Functional	High	None	None

Automation Type
None


Preconditions

Verify that the environment is ready and username id and password for the test were created







Steps






- 1 Open web Browser Chrome Browser opens
- 2 Open the server URL
<https://demo.guru99.com/v4/index.php> The app login screen is displayed
- 3 Enter username id mngr531735 Valid username
- 4 Enter password YrAbEtu Valid password
- 5 Click on the login button The login attempt is successful and the screen shows the home screen
- 6 Click the logout link in the application UI You are logged out and the login screen is displayed

New Customer

Add Customer 1 

Testing Add Customer feature

		ID	Title	
		C19	[Manager] Clicking on Add Customer Section	

C19 **[Manager] Clicking on Add Customer Section**    Defects  

Manager > Add Customer

Type	Priority	Estimate	References
Functional	Critical	None	None

Automation Type
None

Preconditions

Add Customer section is accessible and operational






Steps

1

Click on the Add Customer section



The Add Customer page is open


Customer Name


Customer Name 3 		
Testing Customer Name field		
	ID	Title
	C5	[Manager] Ensuring Customer Name Field Does Not Accept Numbers
	C6	[Manager] Restricting Special Characters in Customer Name Field
	C21	[Manager] Validating Customer Name Field for Blank Input


C5

[Manager] Ensuring Customer Name Field Does ...





Defects 



Manager > Add Customer > Customer Name

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type	None		

Preconditions

Customer Name field is accessible and operational

Steps

1

Fill the Customer Name field with numbers

Error message will be displayed Numbers are not allowed

Add New Customer

Customer Name Numbers are not allowed

Gender ☒ male ☐ female

Date of Birth

Address

City

State

PIN

Mobile Number

E-mail

Password

Manager > Add Customer > Customer Name

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Customer Name field is accessible and operational

Steps

1

Fill the Customer Name field with special symbols

Error message will be displayed Special characters are not allowed

Add New Customer

Customer Name special characters are not allowed

Gender ☐ Male ☐ Female

Date of Birth

Address

City

State

Pin

Mobile Number

E-mail

Password

Manager > Add Customer > Customer Name

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions


Customer Name field is accessible and operational

Steps

1

Do not write customer name in the Customer Name field

Error message will be displayed Customer name must not be blank



The screenshot shows a web form titled 'Add New Customer'. The 'Customer Name' field is highlighted with a red border and an error message 'Customer name must not be blank' is displayed to its right. Other fields include Gender (Male/Other), Date of Birth (MM/DD/YYYY), Address, City, State, PIN, Mobile Number, Email, and Password. There are 'Submit' and 'Reset' buttons at the bottom.

Gender

Gender

1

Testing Gender radio buttons

ID	Title
C18	[Manager] Validation of Correct Functionality for Gender Radio Buttons

C18

[Manager] Validation of Correct Functionality for Gender R...

↔

Defects

▼

Manager > Add Customer > Gender

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Radio buttons are accessible and operational

Steps

1

Click on one of the radio buttons and choose male or female

Click successful

Date of Birth

Date of Birth 4

Testing Date of Birth field

ID	Title
C9	[Manager] Customer Registration with Future Birthdate Validation
C10	[Manager] Customer Registration with Age Exceeding 150 Years Allowed
C11	[Manager] Registration of a customer lower than 18 years old
C24	[Manager] Validating Date of Birth Field for Blank Input

C9 [Manager] Customer Registration with Future Birthdate V...

Manager › Add Customer › Date of Birth

Type	Priority	Estimate	References
Exploratory	Critical	None	None
Automation Type			
None			

Preconditions

Date of Birth field is accessible and operational

Steps

- 1 Click on the Date of Birth date picker
 - 2 Set the future date in the date picker

[Manager](#) › [Add Customer](#) › [Date of Birth](#)

Type	Priority	Estimate	References
Exploratory	Critical	None	None
Automation Type			
None			

Preconditions

Date of Birth field is accessible and operational

Steps

1

Click on the Date of Birth date picker

Click successful and the calendar is open

2

Set the birthdate to more than 150 years ago

The error message will be display Birthdate cannot be over 150 years ago

Add New Customer

Customer Name

Gender ☒ male ☐ female

Date of Birth

Address

City

State

PIN

Mobile Number

E-mail

Password

[Manager](#) › [Add Customer](#) › [Date of Birth](#)

Type	Priority	Estimate	References
Exploratory	Critical	None	None
Automation Type			
None			

Preconditions

Date of Birth field is accessible and operational

Steps

1

Click on the Date of Birth date picker

Click successful and the calendar is open

2

Set the date to less than 18 years ago

The error message will be displayed Customer must be at least 18 years old

Add New Customer

Customer Name

Gender ☒ male ☐ female

Date of Birth

Address

City

State

PIN

Mobile Number

E-mail

Password

Manager > Add Customer > Date of Birth

Type	Priority	Estimate	References
Functional	Critical	None	None
Automation Type			
None			

Preconditions

Date of Birth field is accessible and operational

Steps

1

Click on the Date of Birth date picker

Click successful and the calendar is open

2

Do not write the date of birth in the Customer Name field

Error message will be displayed Date Field must not be

Add New Customer

Customer Name

Gender ☒ male ☐ female

Date of Birth Date Field must not be blank

Address

City

State

PIN

Mobile Number

E-mail

Password

blank

Address

Address

3

Testing the Address field

ID	Title	
C13	[Manager] Restricting Special Characters in Address Field	>
C22	[Manager] Validating Address Field for Blank Input	>
C23	[Manager] Restricting Special Characters in Address Field	>

C13

[Manager] Restricting Special Characters in Address Field

< >

Defects

Manager > Add Customer > Address

Type	Priority	Estimate	References
Functional	High	None	None

Automation Type

None

Preconditions

Address field is accessible and operational

Steps

1

Click on the Address field

Click successful

2

Enter special characters like .,-/ in the Address field

Listed special characters will be allowed in the Address

Add New Customer

Customer Name

Gender ☐ Male ☒ Female

Date of Birth

Address

City

State

Pin

Mobile Number

E-mail

Password

field

C22**[Manager] Validating Address Field for Blank Input**

Defects ▾



Manager › Add Customer › Address

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Address field is accessible and operational

Steps**1**

Do not write the address in the Address field

Error message will be displayed Address Field must not

Add New Customer

Customer Name

Gender

Date of Birth

Address

City

State

Pin

Mobile Number

Email

Password

Address Field must not be blank

C23

[Manager] Restricting Special Characters In Address Field

Defects ▾



Manager > Add Customer > Address

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Address field is accessible and operational

Steps

1

Fill the Address field with special symbols

Error message will be displayed Special characters are

Add New Customer

Customer Name

Gender ☒ Male ☐ Female

Date of Birth

Address

City

State

PIN

Mobile Number

Email

Password

not allowed

City

City 4

Testing city field

	ID	Title	
	C15	[Manager] City Field Does Not Validate City Existence	
	C25	[Manager] Validating City Field for Blank Input	
	C26	[Manager] Restricting Special Characters in City Field	
	C27	[Manager] Verifying if the City Field Contains Only Numbers	

C15

[Manager] City Field Does Not Validate City Existence

Defects

Manager > Add Customer > City

Type	Priority	Estimate	References
Exploratory	Medium	None	None
Automation Type	None		

Preconditions

City field is accessible and operational

Steps

1

Click on the City field

Click successful

2

Enter the non-existent city in the City field

Error message will be displayed City does not exist

C25 [Manager] Validating City Field for Blank Input



Defects ▾



Manager > Add Customer > City

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

City field is accessible and operational

Steps

1

Click on the City field

Click successful

2

Do not write city the City field

Error message will be displayed City Field must not be

blank

Add New Customer

Customer Name

Company

Date of Birth

Address

City City Field must not be blank

State

Pin

Mobile Number

Email

Password

C26

[Manager] Restricting Special Characters In City Field

Defects ▾



Manager > Add Customer > City

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

City field is accessible and operational

Steps

1

Click on the City field

Click successful

2

Fill the City field with special symbols

Error message will be displayed Special characters are

Add New Customer

Customer Name

Gender

Date of Birth

Address

City Special characters are not allowed

State

PIN

Mobile Number

Email

Password

not allowed

C27**[Manager] Verifying If the City Field Contains Only Numbers**

Defects ▾



Manager › Add Customer › City

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

City field is accessible and operational

Steps**1**

Click on the City field

Click successful

2

Fill the City field with numbers

Error message will be displayed Numbers are not

Add New Customer

Customer Name

Gender ☒ Male ☐ Female

Date of Birth

Address

City Numbers are not allowed

State

Pin

Mobile Number

E-mail

Password

allowed

State

State 4

Testing State field

ID	Title
C28	[Manager] State Field Does Not Validate State Existence
C29	[Manager] Validating State Field for Blank Input
C30	[Manager] Restricting Special Characters in State Field
C31	[Manager] Verifying if the State Field Contains Only Numbers

C28 [Manager] State Field Does Not Validate State Existence

Manager › Add Customer › State

Type	Priority	Estimate	References
Exploratory	Medium	None	None
Automation Type			
None			

Preconditions

State field is accessible and operational

Steps

- 1

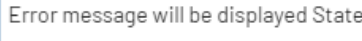
Click on the State field

Click successful

2

Enter the non-existent city in the State field

Error message will be displayed State does not exist



C29

[Manager] Validating State Field for Blank Input



Defects ▾



Manager > Add Customer > State

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

State field is accessible and operational

Steps

1

Click on the State field

Click successful

2

Do not write state the State field

Error message will be displayed State Field must not

be blank

Add New Customer

Customer Name

Gender

Date of Birth

Address

City

State

PIN

Mobile Number

E-mail

Password

Manager > Add Customer > State

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

State field is accessible and operational

Steps

1

Click on the State field

Click successful

2

Fill the State field with special symbols

Error message will be displayed Special characters are

not allowed

Add New Customer

Customer Name

Gender ☐ Male ☐ Female

Date of Birth

Age

Address

City

State Special characters are not allowed

Pin

Mobile Number

E-mail

Password

Manager > [Add Customer](#) > State

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

State field is accessible and operational

Steps

1

Click on the State field

Click successful

2

Fill the State field with numbers

Error message will be displayed Numbers are not



allowed

PIN

PIN

4

Testing PIN field

<div></div>	ID	Title	
<div></div>	C32	[Manager] Verifying the PIN Field for Length Less Than 6 Digits	>
<div></div>	C33	[Manager] Restricting Special Characters in PIN Field	>
<div></div>	C34	[Manager] Validating PIN Field for Blank Input	>
<div></div>	C35	[Manager] Verifying if the PIN Field Contains Only Characters	>

C32

[Manager] Verifying the PIN Field for Length Less Than 6 D...

< >

Defects

Manager > Add Customer > PIN

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

PIN field is accessible and operational

Steps

1

Click on the PIN field

Click successful

2

Fill the PIN field with a 5-digit length

Error message will be displayed PIN Code must have 6

Add New Customer

Customer Name

Male

Gender

Male

Female

Date of Birth

01/06/1987

Address

Room 34

City

Pa. llin

State

Idarubura

Pin

12345

Mobile Number

Email

Password

Cancel

Save

Digits

C33

[Manager] Restricting Special Characters In PIN Field



Defects ▾



Manager > Add Customer > PIN

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

PIN field is accessible and operational

Steps

1

Click on the PIN field

Click successful

2

Fill the PIN field with special symbols

Error message will be displayed Special characters are

Add New Customer

Customer Name	<input type="text" value="Mark"/>
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female <input type="radio"/> Other
Date of Birth	<input type="text" value="22/05/2000"/>
Address	<input type="text" value="Soo 34"/>
City	<input type="text" value="Triban"/>
State	<input type="text" value="Pattani"/>
PIN	<input type="text" value="123"/> Special characters are not allowed
Mobile Number	<input type="text"/>
E-mail	<input type="text"/>
Password	<input type="password"/>

not allowed

C34 [Manager] Validating PIN Field for Blank Input

Defects

Manager > Add Customer > PIN

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions


PIN field is accessible and operational

Steps

- Click on the PIN field

Click successful
- Do not write PIN the PIN field

Error message will be displayed PIN field must not be blank



blank

C35

[Manager] Verifying If the PIN Field Contains Only Characte...



Defects ▾



Manager › Add Customer › PIN

Type

Functional

Priority

High

Estimate

None

References

None

Automation Type

None

Preconditions

PIN field is accessible and operational

Steps

1

Click on the PIN field

Click successful

2

Enter only characters in the PIN field

Error message will be displayed Characters are not allowed

Add New Customer

Customer Name	<input type="text" value="John"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Date of Birth	<input type="text" value="22/09/2002"/>
Address	<input type="text" value="Gate 34"/>
City	<input type="text" value="Lafayette"/>
State	<input type="text" value="Louisiana"/>
PIN	<input type="text" value="70001"/>
Mobile Number	<input type="text" value=""/>
Email	<input type="text" value=""/>
Password	<input type="password" value=""/>
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

Characters are not allowed

Mobile Number

Mobile Number

3

Testing Mobile Number field

ID	Title	
C37	[Manager] Restricting Special Characters in Mobile Number Field	>
C38	[Manager] Validating Mobile Number Field for Blank Input	>
C39	[Manager] Verifying if the Mobile Number Field Contains Only Characters	>

C37

[Manager] Restricting Special Characters in Mobile Numbe...

< >

Defects

Manager > Add Customer > Mobile Number

Type	Priority	Estimate	References
Functional	High	None	None

Automation Type
None

Preconditions

Mobile Number field is accessible and operational

Steps

1

Click on the Mobile Number field

Click successful

2

Fill the Mobile Number field with special symbols

Error message will be displayed Special characters are not allowed

Add New Customer

Customer Name:

Gender:

Date of Birth:

Address:

City:

State:


Pin:

Mobile Number: Special characters are not allowed

Email:

Password:

C38 [Manager] Validating Mobile Number Field for Blank Input

← →  Defects 

Manager > Add Customer > Mobile Number

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Mobile Number field is accessible and operational

Steps

1

Click on the Mobile Number field

Click successful

2

Do not write mobile number the Mobile Number field

Error message will be displayed Mobile no must not be

blank

Add New Customer

Customer Name

Gender ☒ Male ☐ Female

Date of Birth 

Address

City

State

Pin

Mobile Number Mobile no must not be blank

E-mail

Password

C39

[Manager] Verifying If the Mobile Number Field Contains O...



Defects ▾



Manager > Add Customer > Mobile Number

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Mobile Number field is accessible and operational

Steps

1

Click on the Mobile Number field

Click successful

2

Enter only characters in the Mobile Number field

Error message will be displayed Characters are not

allowed

The screenshot shows the 'Add New Customer' form with the following fields and values:

- Customer Name: John
- Gender: Male (Female)
- Date of Birth: 22/06/2002
- Address: [Empty]
- City: Dallas
- State: (Virginia)
- Pin: 123456
- Mobile Number: 01888 (Error message: Characters are not allowed)
- Email: [Empty]
- Password: [Empty]

Buttons: [Search] [Reset]

E-mail

E-mail

3

Testing e-mail field

ID	Title	
C40	[Manager] Validating E-mail Field for Blank Input	>
C41	[Manager] Verifying if the email field allows writing an email without '@'	>
C42	[Manager] Verifying if the email allows registering an account with a not valid top-level domain	>

C40

[Manager] Validating E-mail Field for Blank Input

↩

→

Defects

Manager > Add Customer > E-mail

Type	Priority	Estimate	References
Performance	High	None	None
Automation Type			
None			

Preconditions

E-mail field is accessible and operational

Steps

1

Click on the E-mail field

Click successful

2

Do not write an e-mail in the E-mail field

Error message will be displayed Email-ID must not be blank

Add New Customer

Customer Name

Gender

Date of Birth

Age

Address

City

State

Pin

Moblie Number

E-mail

Password

SubmitReset

Characters are not allowed
Email-ID must not be blank

Manager > Add Customer > E-mail

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

E-mail field is accessible and operational

Steps

1

Click on the E-mail field

Click successful

2

Do not enter @ in the email field

Error message will be displayed Email-ID is not valid

ADD NEW CUSTOMER

Customer Name	<input type="text" value="John"/>
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female
Date of Birth	<input type="text" value="01/01/2002"/> 📅
Age	<input type="text" value="21"/>
Address	<input type="text"/>
City	<input type="text" value="Mumbai"/>
State	<input type="text" value="Maharashtra"/>
Pin	<input type="text" value="400001"/>
Mobile Number	<input type="text" value="9999999999"/>
E-mail	<input type="text" value="john@.com"/> ⚠️ Email-ID is not valid
Password	<input type="password"/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

C42**[Manager] Verifying if the email allows registering an acc...**

Defects ▾



Manager > Add Customer > E-mail

Type	Priority	Estimate	References
Exploratory	High	None	None
Automation Type			
None			

Preconditions

E-mail field is accessible and operational

Steps**1**

Click on the E-mail field

Click successful

2

Enter a non-valid top-level domain

Error message will be displayed Email-ID is not

Add New Customer

Customer Name

Gender ☒ male ☐ female

Date of Birth

Address

City

State

PIN

Mobile Number

E-mail

Password

valid

Password

1

✎

Password

Testing Password field

ID

Title

C43

[Manager] Validating Password Field for Blank Input

C43

[Manager] Validating Password Field for Blank Input

↩

→

🖨

Defects

✎

Manager

>

Add Customer

>

Password

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type	None		

Preconditions

Password field is accessible and operational

Steps

1

Click on the E-mail field

Click successful

2

Do not write a password in the Password field

Error message will be displayed password must not be

Add New Customer

Customer Name

Mark

Gender

Male Female

Date of Birth

01/07/2001

Address

Sec 34

City

Talinn

State

Harjumaa

PIN

123456

Mobile Number

000159512

E-mail

mark@gmail.ee

Password

Password must not be blank

Submit

Reset

blank

New Account

New Account

1

Testing New Account feature

ID	Title
C53	[Manager] Clicking on New Account Section

C53

[Manager] Clicking on New Account Section

Defects

Manager > New Account

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

New Account section is accessible and operational

Steps

1

Click on the New Account section

The New Account page is open

Customer ID

Customer ID

3

Testing customer id

ID	Title	
C45	[Manager] Validating Customer ID Field for Blank Input	>
C49	[Manager] Verifying if the Customer ID Field Contains Only Characters	>
C50	[Manager] Restricting Special Characters in Customer ID Field	>

C45

[Manager] Validating Customer ID Field for Blank Input

< >

Defects

Manager > New Account > Customer ID

Type	Priority	Estimate	References
Functional	High	None	None

Automation Type
None

Preconditions

Customer ID field is accessible and operational

Steps

1

Click on the Customer ID field

Click successful

2

Do not write a Customer id in the Customer ID field

Error message will be displayed Customer ID must not be blank

Add new account form

Customer id Customer ID is required

Account type Savings

Initial deposit

Submit Cancel

C49

[Manager] Verifying If the Customer ID Field Contains Only ...



Defects ▾



Manager › New Account › Customer ID

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Customer ID field is accessible and operational

Steps

1

Click on the Customer ID field

Click successful

2

Enter only characters in the Customer ID field

Error message will be displayed Characters are not

allowed




Manager > New Account > Customer ID

Type	Priority	Estimate	References
Functional	Medium	None	None
Automation Type			
None			

Preconditions

Customer ID field is accessible and operational

Steps

1	Click on the Customer ID field	Click successful
2	Fill the Customer ID field with special symbols	Error message will be displayed Special characters are  not allowed

Account Type

Account type

1

Testing account type

ID	Title
C46	[Manager] Verifying the Functionality of the Selector

C46

[Manager] Verifying the Functionality of the Selector

← →

Defects

Manager > New Account > Account type

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type	None		

Preconditions

Selector is accessible and operational

Steps

1

Click on the Selector

Click successful

2

Select an account type between savings and current

Click successful

Initial deposit

Initial Deposit4

Testing initial deposit

ID	Title	
C47	[Manager] Verifying Initial Deposit Acceptance of Amount Lower Than 500	
C48	[Manager] Validating Initial Deposit Field for Blank Input	
C51	[Manager] Verifying if the Initial Deposit Field Contains Only Characters	
C52	[Manager] Restricting Special Characters in Initial Deposit Field	

C47[Manager] Verifying Initial Deposit Acceptance of Amount ...

Defects

Manager > New Account > Initial Deposit

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type	None		

Preconditions

Initial Deposit field is accessible and operational

Steps

1

Click on the Initial Deposit field

Click successful

2

Enter deposit amount of 200

According to project requirements error message will be displayed the initial deposit must be over 500

C48

[Manager] Validating Initial Deposit Field for Blank Input

Defects ▾



Manager > New Account > Initial Deposit

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Initial Deposit field is accessible and operational

Steps

1

Click on the Initial Deposit field

Click successful

2

Do not write any number in Initial Deposit field

Error message will be displayed Initial Deposit must

not be blank



Manager > New Account > Initial Deposit

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Initial Deposit field is accessible and operational

Steps

1

Click on the Initial Deposit field

Click successful

2

Enter only characters in the Initial Deposit field

Error message will be displayed Characters are not

allowed



C52

[Manager] Restricting Special Characters in Initial Deposit ...



Defects ▾



Manager > New Account > Initial Deposit

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type			
None			

Preconditions

Initial Deposit field is accessible and operational

Steps

1

Click on the Initial Deposit field

Click successful

2

Fill the Initial Deposit field with special symbols

Error message will be displayed Special characters are

not allowed



Integration

Integration testing from the beginning to the end from the manager's side

C16 [Manager] Positive flow

← → 🖨 Defects ▾ ✎

Manager > Integration

Type	Priority	Estimate	References
Functional	Low	None	None
Automation Type			
None			

Steps

1

Open web Browser Chrome

Browser opens

2

Open the server URL
<https://demo.guru99.com/v4/index.php>

The app login screen is displayed

3

Enter username id mngr531735

Valid username

4

Enter password YrAbEtu

Valid password

5

Click on the login button

The login attempt is successful and the screen shows the home screen

6

Click on the Add Customer section

The Add Customer page is open

7

Click on the Customer Name field

Click successful

8

Enter Customer Name Kevin

Entry successful

9

Click on the male radio button

Step successful

10	Click on the Date of Birth field	Click successful
11	Enter a date 22.01.1999	Entry successful
12	Click on the Address field	Click successful
13	Enter address Soo 34	Entry successful
14	Click on the City field	Click successful
15	Enter city Tallinn	Entry successful
16	Click on the State field	Click successful
17	Enter state Harjumaa	Entry state
18	Click on the PIN field	Click successful
19	Enter PIN 234235	Entry successful
20	Click on the Mobile Number field	Click successful
21	Enter a mobile no 561135658923	Entry successful
22	Click on the E-mail field	Click successful

23	Provide an email kevin5000@gmail.com	Step successful																						
24	Click on the password field	Click successful																						
25	Enter password kevinharju	Entry successful																						
26	Click on the submit button	Click successful																						
27	After customer registration, you will be automatically redirected to the customer details page	Step successful <div><div>Customer Registered Successfully!!!</div><div>Registered Customer details are as follows:</div><table><tr><td>Customer ID</td><td>82587</td></tr><tr><td>Customer Name</td><td>Kevin</td></tr><tr><td>Gender</td><td>male</td></tr><tr><td>Birthdate</td><td>1999-01-22</td></tr><tr><td>Address</td><td>Soo 34</td></tr><tr><td>City</td><td>Tallinn</td></tr><tr><td>State</td><td>Harjumaa</td></tr><tr><td>Pin</td><td>234235</td></tr><tr><td>Mobile No.</td><td>501135658923</td></tr><tr><td>Email</td><td>kevin5000@gmail.com</td></tr><tr><td>continue</td><td></td></tr></table></div>	Customer ID	82587	Customer Name	Kevin	Gender	male	Birthdate	1999-01-22	Address	Soo 34	City	Tallinn	State	Harjumaa	Pin	234235	Mobile No.	501135658923	Email	kevin5000@gmail.com	continue	
Customer ID	82587																							
Customer Name	Kevin																							
Gender	male																							
Birthdate	1999-01-22																							
Address	Soo 34																							
City	Tallinn																							
State	Harjumaa																							
Pin	234235																							
Mobile No.	501135658923																							
Email	kevin5000@gmail.com																							
continue																								
28	Click on the Continue button	You will be automatically redirected to the home page																						
29	Click on the New Account section	Click successful																						
30	Click on the Customer ID field	Click successful																						
31	Enter Customer ID 82587	Entry successful																						
32	Click on the Account Type selector and choose the current account type	Step successful																						
33	Click on the Initial Deposit Field	Click successful																						

34

Enter the Initial Deposit amount of 1000

Entry Successful

35

Click on the submit button

Click successful

36

After creating a new account, you will be automatically redirected to the created account details page

Step successful

Account Generated Successfully!!!!	
Created Account details are as follows:	
Account ID	128198
Customer ID	82587
Customer Name	Kevin
Email	kevin5000@gmail.com
Account Type	Current
Date of Opening	2023-10-08
Current Amount	1000
Continue	

37

Click on continue

Click successful

38

Click on the Logout section

Click successful

39

After creating a new account, you will be automatically redirected to the website start page

Step successful





Customer

Testing the features associated with the customer's role

Login & Logout


Login & Logout 1

Testing login and logout features

	ID	Title	
	C2	[Customer] Login & Logout Functionality	

C2 [Customer] Login & Logout Functionality



Defects 



Customer > Login & Logout

Type	Priority	Estimate	References
Functional	High	None	None
Automation Type	None		

Preconditions

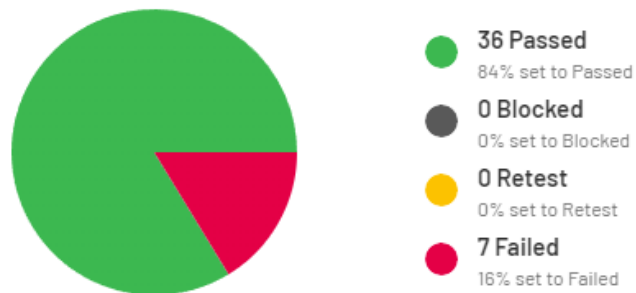
Verify that the environment is ready and username id and password for the test were created

Steps

1	Open web Browser Chrome	Browser opens
2	Open the server URL https://demo.guru99.com/v4/index.php	The app login screen is displayed
3	Enter username id 82587	Valid username
4	Enter password kevinharju	Valid password
5	Click on the login button	The login attempt is successful and the screen shows the home screen
6	Click the logout link in the application UI	You are logged out and the login screen is displayed

Test runs

In total, 43 test cases were created, out of which 35 passed, and 7 failed, representing 84% and 16%, respectively.



Title	Assigned To	Status
+ [Manager] Restricting Special Characters in Address Field		Passed
+ [Manager] Positive flow		Passed
+ [Customer] Login & Logout Functionality		Passed
+ [Manager] Login and Logout Functionality		Passed
+ [Manager] Ensuring Customer Name Field Does Not Accept Numbers		Passed
+ [Manager] Restricting Special Characters in Customer Name Field		Passed
+ [Manager] Validation of Correct Functionality for Gender Radio Buttons		Passed
+ [Manager] Clicking on Add Customer Section		Passed
+ [Manager] Validating Customer Name Field for Blank Input		Passed
+ [Manager] Validating Address Field for Blank Input		Passed
+ [Manager] Restricting Special Characters in Address Field		Passed
+ [Manager] Validating Date of Birth Field for Blank Input		Passed
+ [Manager] Validating City Field for Blank Input		Passed
+ [Manager] Restricting Special Characters in City Field		Passed
+ [Manager] Verifying if the City Field Contains Only Numbers		Passed

Title	Assigned To	Status
+ [Manager] Restricting Special Characters in State Field		Passed
+ [Manager] Verifying if the State Field Contains Only Numbers		Passed
+ [Manager] Verifying the PIN Field for Length Less Than 6 Digits		Passed
+ [Manager] Restricting Special Characters in PIN Field		Passed
+ [Manager] Validating PIN Field for Blank Input		Passed
+ [Manager] Verifying if the PIN Field Contains Only Characters		Passed
+ [Manager] Restricting Special Characters in Mobile Number Field		Passed
+ [Manager] Validating Mobile Number Field for Blank Input		Passed
+ [Manager] Verifying if the Mobile Number Field Contains Only Characters		Passed
+ [Manager] Validating E-mail Field for Blank Input		Passed
+ [Manager] Verifying if the email field allows writing an email without '@'		Passed
+ [Manager] Validating Password Field for Blank Input		Passed
+ [Manager] Validating Customer ID Field for Blank Input		Passed
+ [Manager] Verifying the Functionality of the Selector		Passed
+ [Manager] Validating Initial Deposit Field for Blank Input		Passed

Title	Assigned To	Status
+ [Manager] Verifying if the Customer ID Field Contains Only Characters		Passed
+ [Manager] Restricting Special Characters in Customer ID Field		Passed
+ [Manager] Verifying if the Initial Deposit Field Contains Only Characters		Passed
+ [Manager] Restricting Special Characters in Initial Deposit Field		Passed
+ [Manager] Clicking on New Account Section		Passed

Title	Assigned To	Status
+ [Manager] Customer Registration with Future Birthdate Validation		Failed
+ [Manager] Customer Registration with Age Exceeding 150 Years Allowed		Failed
+ [Manager] Registration of a customer lower than 18 years old		Failed
+ [Manager] City Field Does Not Validate City Existence		Failed
+ [Manager] State Field Does Not Validate State Existence		Failed
+ [Manager] Verifying if the email allows registering an account with a not va...		Failed
+ [Manager] Verifying Initial Deposit Acceptance of Amount Lower Than 500		Failed

FOUNDED BUGS






Most of the tests that were run were functional, and no bugs were found, i.e., the software's behavior aligned with the project requirements, except for one bug.

Functional bugs

According to the project documentation, the system must display an error if the initial deposit is less than 500, but it didn't.

 GURU-2 /  GURU-1

System Allows User to Input Initial Deposit Below 500

 Attach  Add a child issue  Link issue  

Priority  High

Description

The initial Deposit field does not meet with project requirements.

Steps to reproduce:

1. Enter 200 into the initial deposit field
2. Press "Submit" button

Actual result: The user can put an initial deposit below 500.

Expected result: Error message that initial deposit must be over 500.






Tested with:

OS: Windows OS, Chrome version: 117.0.5938.150 (Official Build) (64-bit)

Exploratory bugs

Since the project requirements did not specify details about the date of birth, city, state, or email features, and no acceptance criteria were provided, I conducted exploratory testing and discovered several bugs.

User can register a customer account with a future date of birth

 Attach  Add a child issue  Link issue  

Priority  Highest

Description

The date of Birth field does not validate future birthdates.

Steps to reproduce:

1. Set the future date in the date picker
2. Press enter

Actual result: User can register an account.

Expected result: Error message that future date of birth is not allowed.

Tested with:






OS: Windows OS, Chrome version: 117.0.5938.150 (Official Build) (64-bit)

Add New Customer

Customer Name	<input type="text" value="Mark"/>
Gender	<input checked="" type="radio"/> male <input type="radio"/> female
Date of Birth	<input type="text" value="30/11/2023"/> 
Address	<div></div>
City	<input type="text"/>
State	<input type="text"/>
PIN	<input type="text"/>
Mobile Number	<input type="text"/>
E-mail	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Submit"/> <input type="button" value="Reset"/>

 GURU-2 /  GURU-4

User can register a customer account with an age exceeding 150 years

 Attach  Add a child issue  Link issue  

Priority  Highest

Description

The date of Birth field allows registration of a customer with an age exceeding 150 years.

Steps to reproduce:

1. Set the birthdate to more than 150 years ago
2. Press enter

Actual result: User can register an account.

Expected result: Error message that birthdate cannot be over 150 years ago






Tested with:

OS: Windows OS, Chrome version: 117.0.5938.150 (Official Build) (64-bit)

Add New Customer

Customer Name	<input type="text" value="Mark"/>
Gender	<input checked="" type="radio"/> male <input type="radio"/> female
Date of Birth	<input type="text" value="01/10/1875"/> 
Address	<div></div>
City	<input type="text"/>
State	<input type="text"/>
PIN	<input type="text"/>
Mobile Number	<input type="text"/>
E-mail	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Submit"/> <input type="button" value="Reset"/>

User can register a customer that is lower than 18 years old

 Attach  Add a child issue  Link issue  

Priority  Highest

Description

Registration of a customer lower than 18 years old

The date of Birth field does not control the customer's age.

Steps to reproduce:

1. Set the date to less than 18 years ago
2. Press enter

Actual result: User can register an account.

Expected result: Error message that customer must be over 18 years old.

Tested with:

OS: Windows OS, Chrome version: 117.0.5938.150 (Official Build) (64-bit)

Add New Customer

Customer Name	<input type="text" value="Mark"/>
Gender	<input checked="" type="radio"/> male <input type="radio"/> female
Date of Birth	<input type="text" value="06/05/2010"/> 
Address	<div></div>
City	<input type="text"/>
State	<input type="text"/>
PIN	<input type="text"/>
Mobile Number	<input type="text"/>
E-mail	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Submit"/> <input type="button" value="Reset"/>

User can register a customer account with a non-existing city

Attach

Add a child issue

Link issue



Priority



Medium

Description

City Field Does Not Validate City Existence.

Steps to reproduce:

1. Enter the non-existent city in the City field
2. Press enter

Actual result: User can register an account.

Expected result: Error message that city does not exist.






Tested with:

OS: Windows OS, Chrome version: 117.0.5938.150 (Official Build) (64-bit)

Add New Customer

Customer Name	<input type="text" value="Mark"/>
Gender	<input checked="" type="radio"/> male <input type="radio"/> female
Date of Birth	<input type="text" value="06/05/2010"/>
Address	<div><div>Soo 34</div></div>
City	<input type="text" value="Nowhere"/>
State	<input type="text"/>
PIN	<input type="text"/>
Mobile Number	<input type="text"/>
E-mail	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Submit"/> <input type="button" value="Reset"/>

User can register a customer account with a non-existing state

 Attach  Add a child issue  Link issue  

Priority  Medium

Description

State Field Does Not Validate City Existence.

Steps to reproduce:

1. Enter the non-existent state in the State field
2. Press enter

Actual result: User can register an account.

Expected result: Error message that state does not exist.






Tested with:

OS: Windows OS, Chrome version: 117.0.5938.150 (Official Build) (64-bit)

Add New Customer

Customer Name	<input type="text" value="Mark"/>
Gender	<input checked="" type="radio"/> male <input type="radio"/> female
Date of Birth	<input type="text" value="11/08/1997"/> 
Address	<div><div>Soo 34</div></div>
City	<input type="text" value="Tallinn"/>
State	<input type="text" value="Kerjurnaa"/>
PIN	<input type="text"/>
Mobile Number	<input type="text"/>
E-mail	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Submit"/> <input type="button" value="Reset"/>

User can register a customer account with a not valid top-level domain.

 Attach  Add a child issue  Link issue  

Priority  High

Description

The email field allows registering an account with a not valid top-level domain.

Steps to reproduce:

1. Enter a non-valid top-level domain (.web)
2. Press enter

Actual result: User can register an account.

Expected result: Error message that Email-ID is not valid.

Tested with:

OS: Windows OS, Chrome version: 117.0.5938.150 (Official Build) (64-bit)

Add New Customer

Customer Name

Gender ☒ male ☐ female

Date of Birth 

Address

City

State

PIN

Mobile Number

E-mail

Password

IMPROVEMENTS

While testing the 'Add Customer' and 'New Account' features, I identified several areas for potential improvement in the future.

Firstly, considering that Guru99 Bank provides banking services, it is essential that the 'Deposit' feature includes an option to specify the currency. Currently, this information is not requested during the deposit process.

Additionally, in alignment with the validation for city and state existence, it is recommended to include a 'Country' field as a mandatory part of the customer information. This will help ensure accurate and comprehensive address details for bank customers.

The address field doesn't allow special characters like '.', ',', or '-'. But in some cases, these symbols are needed for precise address details. Consider allowing these symbols or adding separate fields for street numbers and flat numbers for more accurate addresses.

And of course, if we're dealing with a bank, security should be a top priority. There should be at least two password fields - one for entering the new password and another for confirming it. Additionally, there should be clear requirements such as password length and the use of special characters, uppercase letters, and so on.

TEST DESIGN TECHNIQUES

In the testing phase, I employed dynamic testing methods, including Exploratory Testing, Equivalence Partitioning, and Boundary Value Testing.

I initially conducted functional testing in accordance with the project requirements. However, since not all aspects were specified in the document, I decided to also incorporate exploratory testing, which helped me uncover defects and assess what worked and what did not. As a result, I performed integration testing at the very end. It became evident that Equivalence Partitioning and Boundary Value Testing were particularly well-suited for examining fields such as Date of Birth and PIN.

REFLECTION

I didn't encounter much difficulty when it came to brainstorming testing ideas or accessing information from the course materials. However, I did face a challenge when attempting to translate these ideas into written form. My primary concern was ensuring that the content of my final project document would be clearly understood by anyone who read it.

The final project, though challenging in parts, proved to be a valuable exercise in summarizing the knowledge I had gained throughout the course. I think that as I advance further in my testing career and gain more practical experience, my skill in expressing ideas in writing will steadily enhance, resulting in more effective and clear communication.