

SOFTWARE ENGINEERING CAPSTONE

COMMERCE BANK

User Guide

Team VIT

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1 Introduction

E-banking (Internet Banking) is an e-commerce program that enables clients to conduct virtual banking and financial transactions online in a safe and secure manner. It entails the distribution of banking goods and services through the internet that which makes the easy and secure transactions. Hence we are aiming to develop Commerce bank transactions application. This is mainly implemented to follow up the transactions done through the banks and provide the notifications related to the transactions.

Initially customer will register with a particular bank with their particulars (name, email id, password and phone number) and with the initial amount to open the account.


Once after registration, customer can login into their account and can check the transactions history and also make the transactions. Customer will be notified with the email during their transactions. The notifications are based on the purpose of transaction, time and location (Local and non-local). If the customer forgets password, they can request for change of the password.

2 Quick Start Guide

1. Customer: Customer needs to register with their particulars and then they can login with the registered details.

The screenshot displays the Commerce Bank registration interface. At the top, the header includes the Commerce Bank logo and links to the Home Page and Customer section. The main body features a large heading 'How can we help?' and a link 'I'm looking for [select a topic](#)'. To the right, a registration form is presented with the following fields: 'Enter Customer Name', 'Enter Customer Email', 'Enter Password', 'Account Number', and 'Initial Amount'. A 'Create Account' button is located at the bottom of the form. The footer contains the Commerce Bank logo with the tagline 'Challenge Accepted.' and links to 'About Us', 'Careers', 'Security Center', and 'Other Links'.

2. Customer Login Page.



Bank ☐ Customer ☐

How can we help?


I'm looking for [select a topic](#)

Log in to Online Banking:

Log In

[Forget Password](#)

[Create New Account](#)



Challenge Accepted.


[About Us](#)

[Careers](#)

[Security Center](#)

[Other Links](#)

3. Customer can make a transaction here.



Home ☐ Money Transaction ☐ Transaction History ☐ Logout ☐

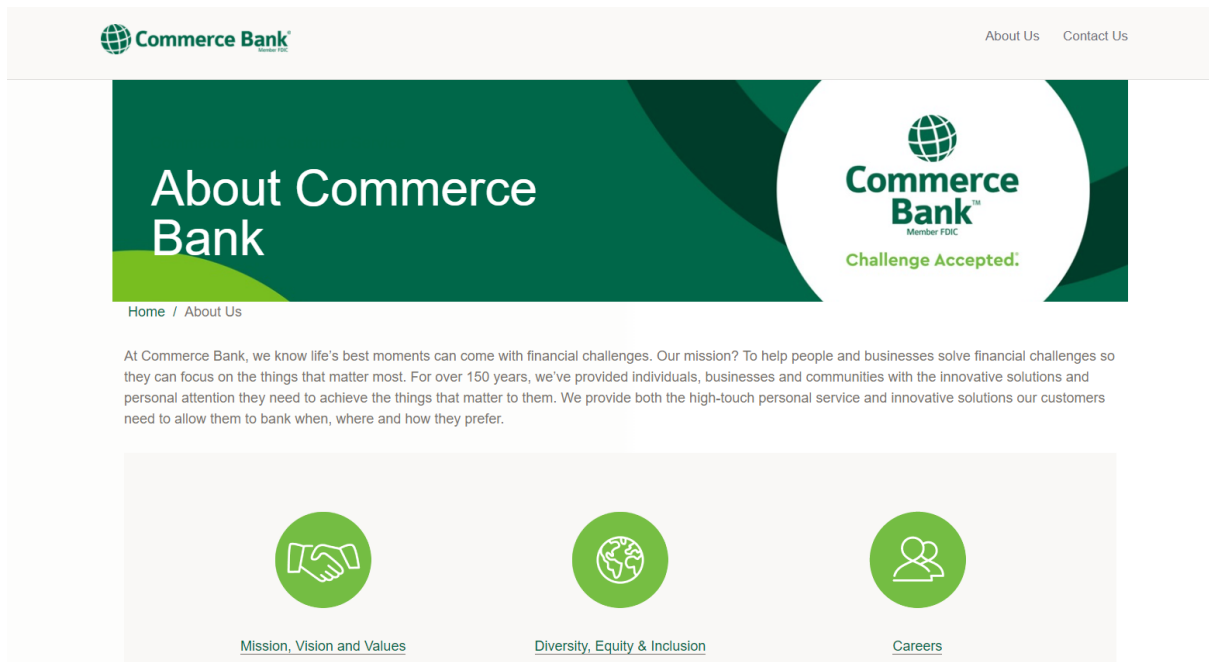
Welcome Lakshmi

Customer Name: Lakshmi

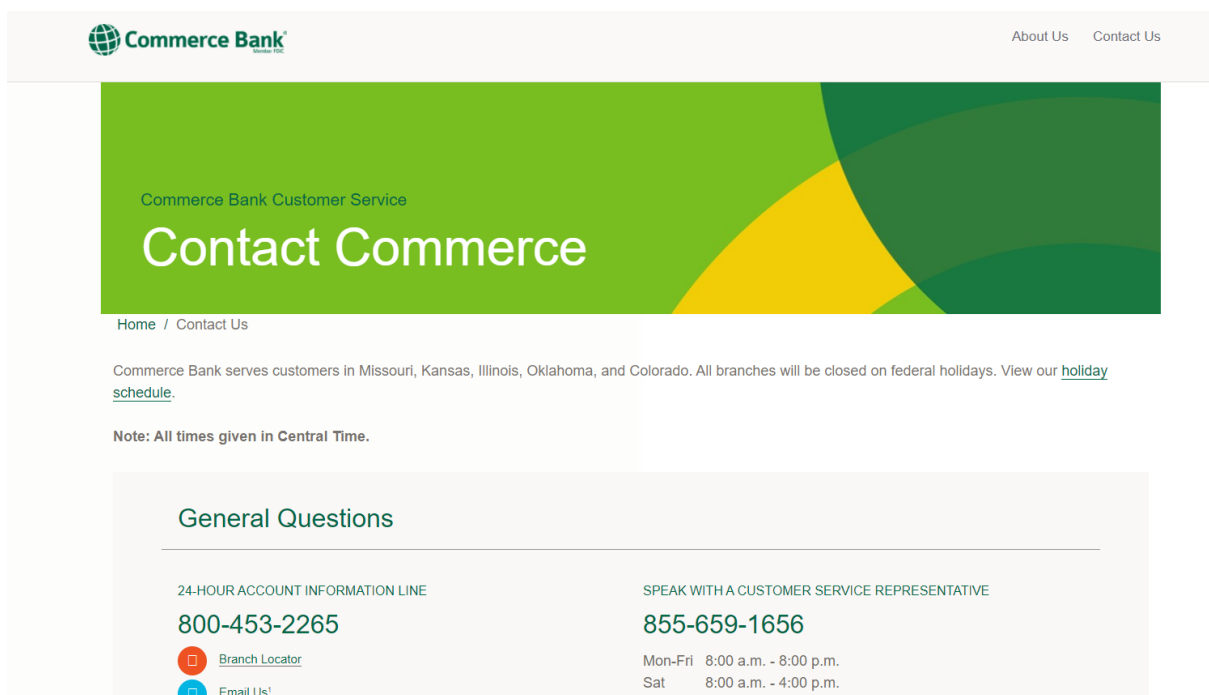
Account Number: 678909876

Balance: 4900

4. About Commerce Bank



5. Contact Commerce Bank



3 System Requirements

3.1 Hardware Requirements

Processor : I3/Intel Processor
RAM : 8GB (min)

Hard Disk : 128 GB

3.2 Software Requirements

Operating System : Windows 7/8/10

Technology : Python 3.6+

Server –side script : HTML, CSS, JS

IDE : PyCharm

Database : MySQL

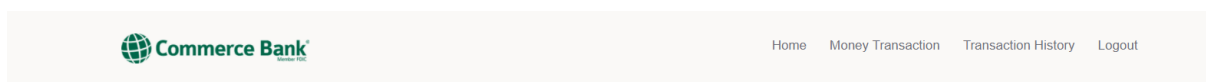
Server : Xampp

Libraries Used : Numpy, IO, OS, Flask.

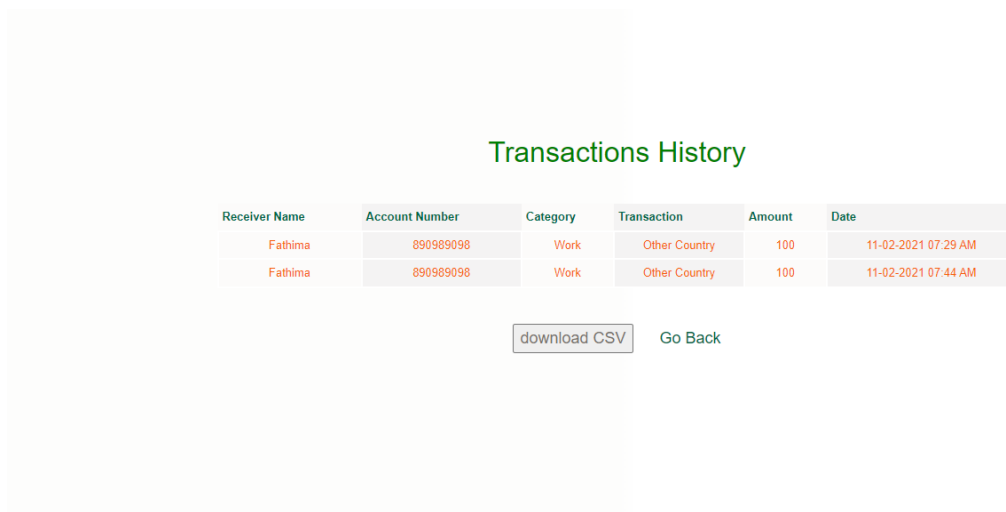
4 Main Scenarios of Use

4.1 View Recent Transactions

1. The login button will be displayed on the screen.
2. Enter your Customer Id, E-Mail and Password.
3. Tap the Login button.
4. Tap 'Transaction History' at the bottom on the screen.



5. Customer can view their Transactions history and they can also be download the history data in CSV file.



4.2 Make New Transaction

1. The login button will be displayed on the screen.
2. Enter your Customer Id, E-Mail and Password.
3. Tap the Login button.
4. Tap Money Transaction at the bottom on the screen.

The screenshot shows the 'New Transaction' page of the Commerce Bank website. At the top, there is a navigation bar with the Commerce Bank logo and links for Home, Money Transaction, Transaction History, and Logout. Below the navigation bar is a large green banner with the text 'Commerce Bank Customer Service' and 'New Transaction'. Under the banner is a form with the following fields: 'Select Category' (dropdown), 'Select Transaction type' (dropdown), 'Enter Account Number', 'Confirm Account Number', 'Enter Swift Number', 'Account Holder Name', 'Account Holder Email', and 'Enter Amount'. A green 'Submit' button is located at the bottom of the form.

5 Troubleshooting


5.1 Missing or Incorrect Password or E-Mail

A message will be displayed in the event incorrect login information is entered. Try again with proper credentials to access the commerce bank website.

Invalid Email / Password

How can we help?

I'm looking for [select a topic](#)



Log in to Online Banking:

- [Forget Password](#)
- [Create New Account](#)