Online ATM System

CMPE131: Introduction to Software Engineering
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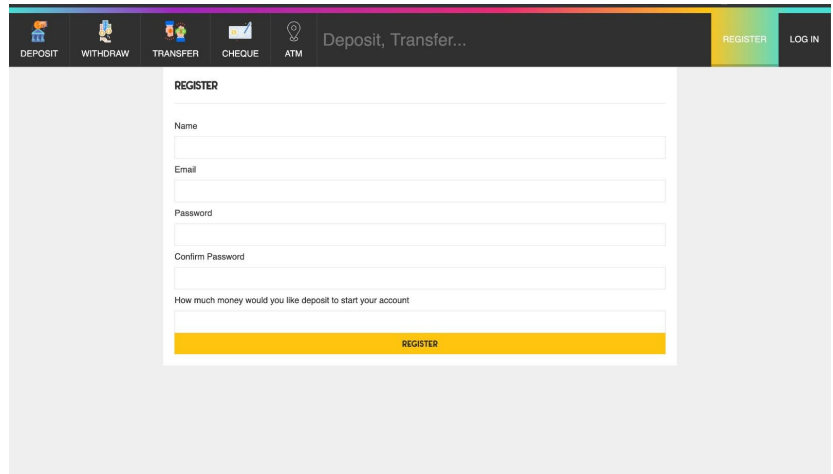Marco Caruso
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User's Guide

In order to use the banking website, you will need to either log in with an existing account or if you don't already have an account, you will need to fill out the registration form to create a new account.

Registration

If you wish to create a new account, first click on the "**Register"** button located at the top right corner of the screen. The Registration page will load up with a form that you will need to fill to create a new account.

In the "**Name"** section, enter your name only using alphabetical characters.

In the "**Email"** section, enter your email address. The system will check to make sure it is a valid email address that includes the "@" symbol as well as ".com", ".edu", or something similar at the end. If you are attempting to use an Email address that is already in use with another account, an error message will pop up prompting you to use another Email address.

In the "**Password**" and "**Confirm Password**", make sure to enter the exact same password. If the passwords entered into these text boxes do not match, an error message will pop up while submitting the form. Re-enter your desired password into both boxes, making sure they are the same.

The last section titled "**How much money would you like to deposit to start your account**" asks you to enter in the amount of money you would like your bank account to begin with. This section will only allow you to enter in positive numerical values.
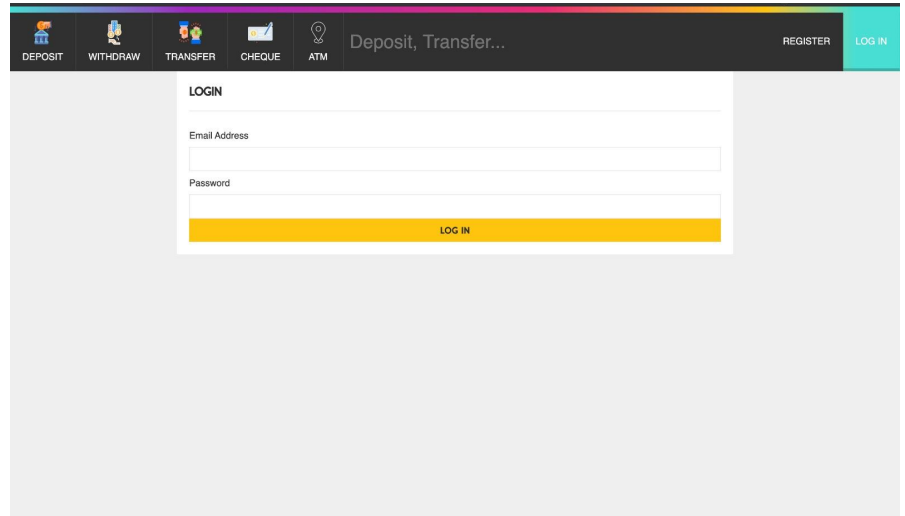
Once the entire form has been entered, click the "**Register"** button to create your new account. If you have entered an invalid input, an error message will be displayed. Make sure to fix the error and submit the form once again.

Upon successfully registering a new account, you will be redirected to the Login Page.

Login

If you already have an existing account, navigate to the Login Page by choosing the "**Login"** button located on the top right corner.

To log in with an existing "**Email"** and "**Password"**, simply enter the Email address and password associated with your banking account into their respective boxes.
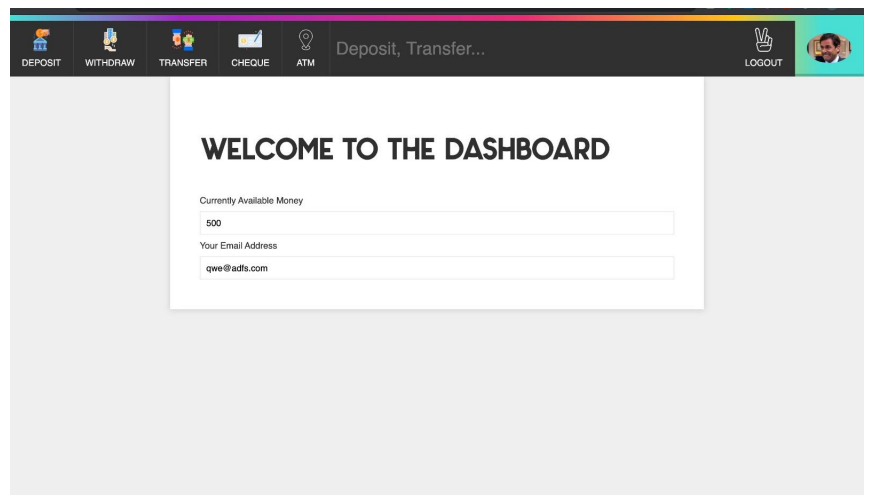
Once both are entered, click on the "**Login"** button. If the Email address or Password entered is not recognized or incorrect, an error message will pop up prompting you to re-enter the information.
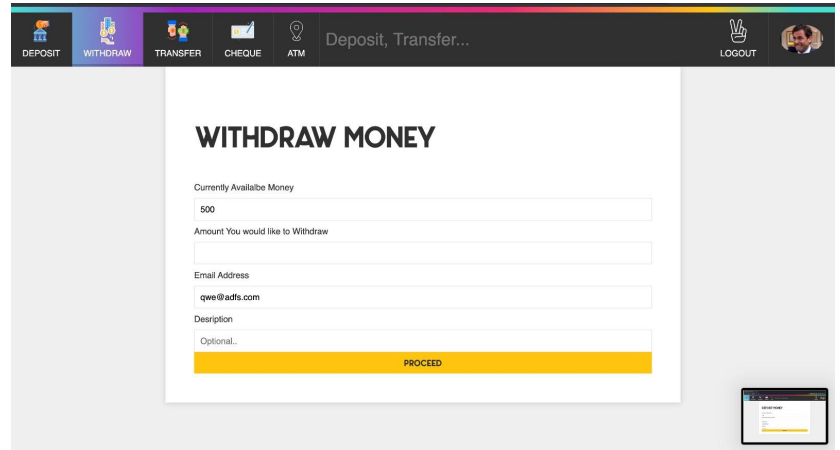
Welcome Page

Once you have successfully logged into your account, you will be redirected to the Welcome Page.

This page displays the amount of money currently available in your bank account as well as your email address on the bottom. To continue, choose a task that you would like to complete from the menu bar located on the top left corner of the page.

Withdraw Cash

If you want to withdraw cash, click on the "**Withdraw**" icon located on the upper left of the menu bar. Since this is a virtual ATM, you will not be able to withdraw cash directly from this system. You will need to go to the nearest ATM location to withdraw money.

Enter the amount of money you want to withdraw in the "**Amount You Would Like to Withdraw**" section. If there is an error message, it is probably because you did not enter a positive numerical value or the amount you entered is greater than the current balance.

The "**Description**" section is an optional field that can be used for adding any important messages or reminders regarding the withdrawal.
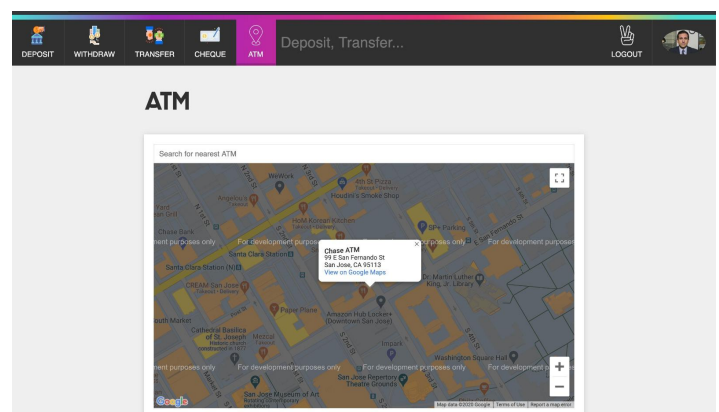
Click on the "**Proceed**" button once you have filled out all the required fields in the form. If an error message pops up, you have entered an invalid input. Make sure to fix the error and then submit the form once again.

After successfully performing those tasks, the system will automatically display a message telling you that your request has been approved.

ATM page

If you would like to withdraw money from an ATM, click on the "**ATM**" icon from the menu bar on the top left corner of the page.
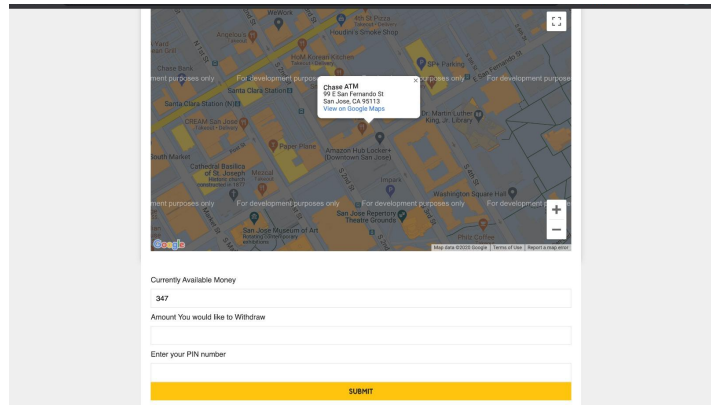
The ATM page will display a "**Search for Nearest ATM**" bar where you can type the address of the area where you would like to withdraw your money from.

Once you have selected an ATM, you can click on the "**View on Google Maps**" button. This will redirect you to the Google Maps page, where you can find the directions to the selected ATM.

When you scroll down on the ATM page, it will display the "**Currently Available Money"** in your account.

In the "**Amount you would like to Withdraw"** section, enter in the amount of money for withdrawal. You will need to enter a positive numerical value in this section for it to be considered a valid input. You will also have to make sure that the amount entered does not exceed the account's available balance.
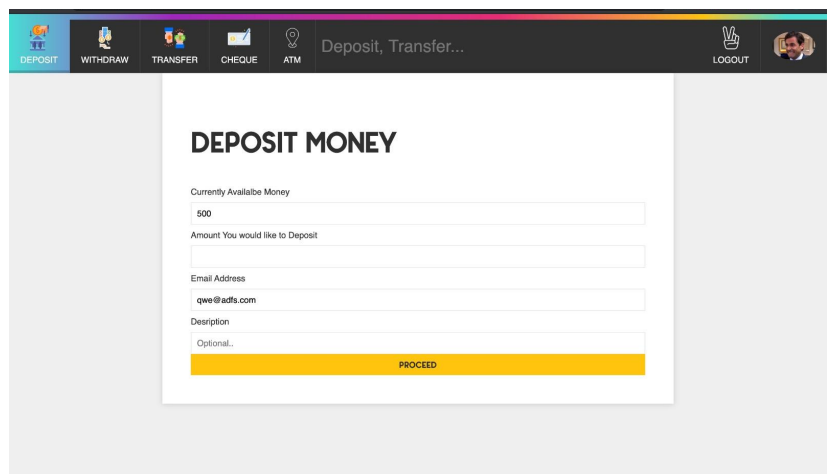

In the "**Enter your PIN number section"** you will need to enter your accounts PIN number for verification purposes.

Once you have entered all the values, you can click on the "**Submit"** button and your withdrawal request will be processed. An error will be displayed if you entered any invalid values in the required sections.

Deposit Money
If you want to deposit cash, click on the "**Deposit**" icon located on the upper left corner of the menu bar. Since this is a virtual ATM, you will not be able to deposit cash directly from this system. You will need to go to the nearest ATM location to deposit money.

Enter the amount of money desired to be deposited in the "**Amount You Would Like to Deposit**" section. In this section, you will need to enter a positive numerical value for it to be considered a valid input.

The "**Description**" section is an optional field that can be used for adding any important messages or reminders regarding the money deposited.

Click on the "**Proceed"** button once you have filled out all the required fields in the form. If an error message pops up, you have entered an invalid input. Make sure to fix the error and then submit the form once again.

After successfully performing those tasks, the system will automatically display a message telling you that your deposit request is approved. You can then proceed to the dashboard to view your updated balance.

Deposit check

If you want to deposit a check, click on the "**Cheque**" icon located on the upper left corner of the menu bar. You will need to have the picture of the front of the check ready before depositing it.

The deposit check will load up and display a form that you need to fill out.

Enter the amount of money on the check in "**Amount You Would Like to Deposit**". Make sure that the amount of money you enter is exactly the same as printed on the check.
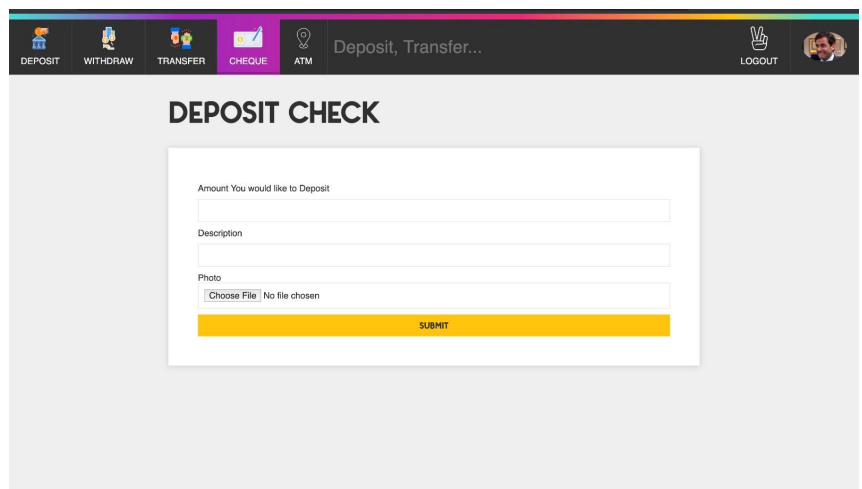
Filling out the "**Description**" section on this page is a requirement. Enter in a message as a reminder of what the purpose of the check was.

Click on the "**Choose File**" button and upload the picture of the check from your computer.

Click on the "**Submit**" button to complete the deposit after all the fields have been filled out.

If the system displays an error message, it means that an invalid input was entered. Make sure to check and fix the errors being displayed.

If the transaction is successful, you will receive a message saying that your check is successfully deposited. Navigate to the dashboard to check the updated available amount of money in the account.

Transfer funds

If you would like to transfer money to another account, click on the **Transfer** icon on the menu bar located in the top left corner of the page.
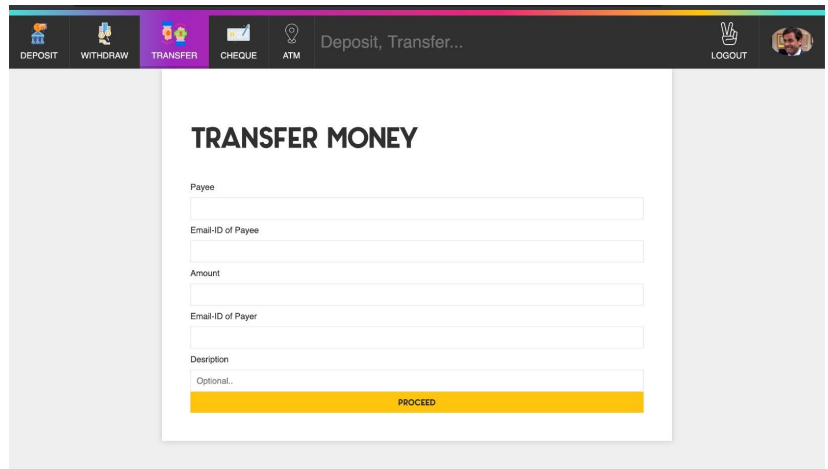
The Transfer Money page will load up with sections to enter the name of the payee, email-ID of the payee, amount to be transferred, your email ID, and the description of the transfer.

While entering the "**Email ID**" sections, the system will check to make sure it is valid and has the "@" symbol as well as it ends with ".com", ".edu", or something similar.

For the "**Amount**" section, you will need to enter a positive numerical value for it to be considered a valid input. You will also have to make sure that the amount entered does not exceed the account's available balance.

The "**Description**" section is optional and can be filled out as a reminder to display the reason for transferring the money.
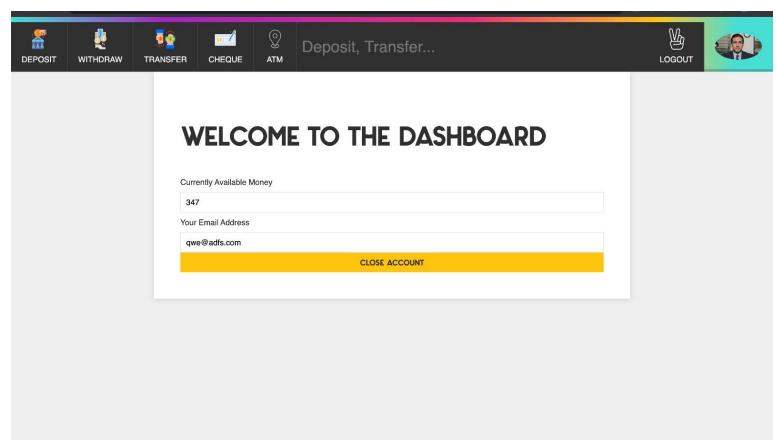
When you click on the "**Proceed**" button, if one of the fields is not filled out with a valid input, an error message will be displayed. You will need to fix the error before proceeding to complete the transaction. Once the transfer is successful, a message will be displayed on top of the page stating that the request was approved.

Close an account

If you wish to permanently close your bank account, log in to your account and navigate to the welcome dashboard page. Click on the "**Close Account**" button displayed below your email address in yellow color. Your account will be closed immediately and you will be logged out.