

\$hady
Banking \$ervices
Applcation

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Introduction

The Shady Banking Services application drew inspiration from the NAB Mobile Banking app. The app allows the user to create accounts and perform basic transactions on those accounts. The application also provides functionality to save account records to a file and provides the user feedback when invalid input is detected.

<https://play.google.com/store/apps/details?id=au.com.nab.mobile&hl=en&gl=US>

Shady Banking Services Application

Thanks for choosing Shady Banking Services!

In this guide you'll find detailed instructions on how to use our banking application. We hope you enjoy using the application as much as we enjoy taking your money!

Create an Account

To create an account, press 'C' when viewing the main menu. You will be asked to input the following information:

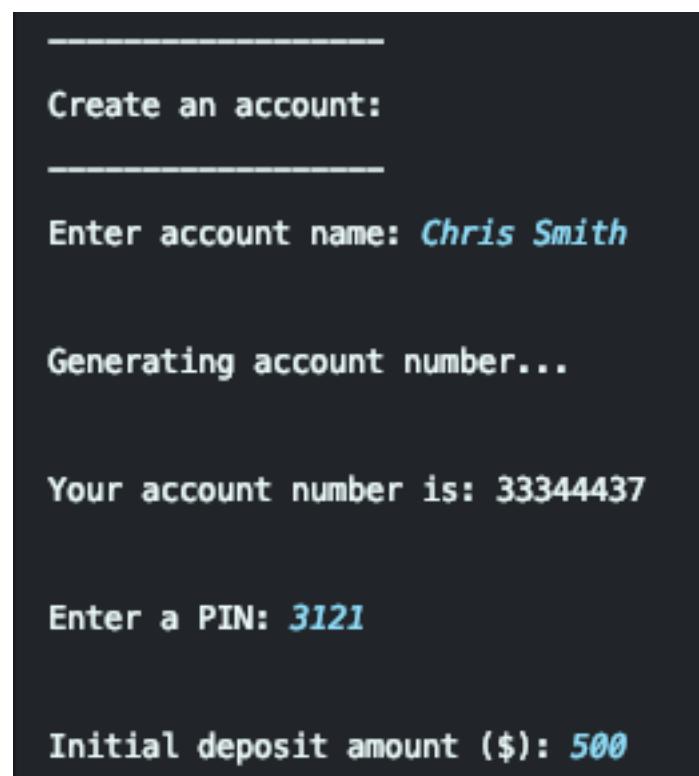
Account Name – This can be a combination of letters and numbers.

PIN (Personal Identification Number) – Must be a number.

Initial deposit amount* - This can be any amount in dollars and cents separated by a '.'.

Please note that your account number will be automatically generated during the account creation process.

The below image shows an example of the account creation process.



After your account is created, your account details will be displayed as shown below.

```
Thanks for using Shady Banking Services
Your account has been successfully created.
Account details are listed below
Account Number: 33344437
Account Name: Chris Smith
Account PIN: 3121
Account Balance: $450.0
```

Important: Please store your PIN code in a safe place and do not share it with anyone. Shady Banking Services are not responsible for misuse of your PIN.

*Shady Banking Services will apply a 10% fee on your initial deposit for creating your account.

Account Balance

To view your account balance, press 'A' when viewing the main menu. You will be prompted to enter your account name and PIN number. After your credentials are verified, your account balance will be displayed on screen as detailed in the below image.

```
Please enter your PIN: 1111
Please enter your account name: Chris Smith

_____
Account                Balance
_____
Chris Smith           495.0

You have $495.0 in your account.
```

Withdraw Funds

To withdraw funds from your account, press 'W' when viewing the main menu. You will be prompted to enter your account name and PIN number. After your credentials are verified, you will be asked to enter your withdrawal amount. Your withdrawal amount will then be deducted from your account balance. After the transaction is complete your account balance will be updated and displayed on screen as detailed in the below image.

```

_____
Withdraw Funds
_____

Please enter your PIN: 1111
Please enter your account name: Chris Smith

_____      _____
Account      Balance
_____      _____
Chris Smith  495.0

You have $495.0 in your account.
Please enter a withdrawal amount in whole dollars: 50
Thanks for using Shady Banking, you have $440.0 remaining in your account.
```

Please note: Shady Banking Services will apply our industry leading 10% fee on your withdrawal amount. Please calculate your withdrawal amounts in with this in mind.

Deposit Funds

To deposit funds into your account, press 'D' when viewing the main menu. You will be prompted to enter your account name and PIN number. After your credentials are verified, you will be asked to enter your deposit amount. Your deposit will then be added to your account. After the transaction is complete your account balance will be updated and displayed on screen as detailed in the below image.

Deposit Funds

Please enter your PIN: 1111

Please enter your account name: Chris Smith

Account	Balance
Chris Smith	440.0

You have \$440.0 in your account.

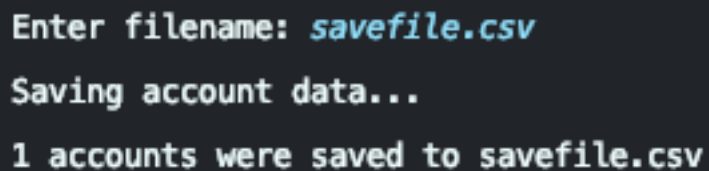
Please enter a deposit amount in whole dollars: 4000

Thanks for using Shady Banking, you have \$4040.0 in your account.

Please note: Shady Banking Services will apply our industry leading 10% fee on your deposit amount.

Save Accounts

To save your account details to a file, press 'S' when viewing the main menu. You will be asked to enter a filename, e.g., 'MyAccounts.csv'. Be sure to enter the '.csv' extension so that the file data is recorded in the correct format. The application will then confirm the number of accounts saved to the file. An example of the Save Accounts process is shown in the below image.



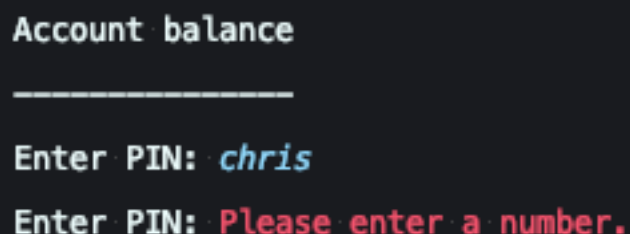
```
Enter filename: savefile.csv
Saving account data...
1 accounts were saved to savefile.csv
```

Exit

To exit the application, press 'X' when viewing the main menu. Be sure to save your account details to a file as your records will not be automatically saved when exiting the program.

Input Validation

Whilst using the program, the user will be notified of any invalid selections or entry of incorrect data types. For example, if the user inputs a word and the program expects a number to be input an error will be shown on screen. See below for an example.



```
-----
Account balance
-----
Enter PIN: chris
Enter PIN: Please enter a number.
```