AccountingProgram

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1 Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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account
This class describes an account 4

2 File Index

2.1 File List

Here is a list of all files with brief descriptions:

account.cpp 5

account.h 5

source.cpp 5

3 Class Documentation

3.1 Account Class Reference

`#include <account.h>`

Public Member Functions

- **Account** ()
- **Account** (double)

  Constructs a new instance.
- double **getBalance** (void)

  Gets the balance.
- double **getRate** ()

  Gets the rate.
- bool **deposit** (double)

  deposits money into the account
- bool **withdrawl** (double)

  Withdrawls money from account.
- bool **accrueInterest** (int)

  accrues interest over time

Private Attributes

- double **balance**
- double **rate**

3.1.1 Constructor & Destructor Documentation

3.1.1.1 Account() [1/2] Account::Account ( )

3.1.1.2 Account() [2/2] Account::Account (double *startingBalance*)

Constructs a new instance.

Parameters

in	*startingBalance*	The starting balance of the account.

3.1.2 Member Function Documentation

3.1.2.1 accrueInterest() `bool Account::accrueInterest ( int input )`

accrues interest over time

Parameters

in	*input*	The time in months to accrue interest

Returns

true if interest can be accrued, false if not

3.1.2.2 deposit() `bool Account::deposit ( double input )`

deposits money into the account

Parameters

in	*input*	The input to deposit

Returns

true for success and false for failure

3.1.2.3 getBalance() `double Account::getBalance ( void )`

Gets the balance.

Returns

The balance.

3.1.2.4 getRate() double Account::getRate ( )

Gets the rate.

Returns

The rate.

3.1.2.5 withdrawl() bool Account::withdrawl (double *input*)

Withdrawls money from account.

Parameters

in	*input*	The amount to withdrawl

Returns

returns true for success and false for failure

3.1.3 Member Data Documentation

3.1.3.1 balance double Account::balance [private]

3.1.3.2 rate double Account::rate [private]

The documentation for this class was generated from the following files:

- **account.h**
- **account.cpp**

3.2 account Class Reference

This class describes an account.

`#include <account.h>`

3.2.1 Detailed Description

This class describes an account.

The documentation for this class was generated from the following file:

- **account.h**

4 File Documentation

4.1 account.cpp File Reference

```
#include "account.h"
```

4.2 account.h File Reference

Classes

- class **Account**

4.3 source.cpp File Reference

```
#include "account.h"
#include <iostream>
```

Functions

- int **menu** ()
- void **clearScreen** ()
- void **pauseScreen** ()
- int **main** ()

4.3.1 Function Documentation

4.3.1.1 clearScreen() `void clearScreen ( )`

4.3.1.2 main() `int main ( )`

4.3.1.3 menu() `int menu ( )`

4.3.1.4 pauseScreen() `void pauseScreen ( )`

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