

NYU School of Continuing and Professional Studies
Course Title: Object-Oriented Analysis and Design
Fall 2011

Homework #2

In a financial institution (e.g. a bank) there are various account types: checking, savings, money-market and brokerage (stocks/bonds). Each account has a unique identifier - the account number.

For each account, we are only interested in obtaining the current balance. For checking and savings accounts, the balance is the sum of money in the account at the end of a given day. For money-market and brokerage accounts, the balance is the dollar value of the accounts holdings (i.e. share-price * # of shares).

The financial institution also has customers. Each customer has a unique customer identifier, which is used along with their first and last names. Each account can be jointly "owned" by multiple customers (at least 1 per account), and each customer can have many accounts.

Define the set of classes, identifying all of the relationships (if any) that you identified in creating your solution. Please provide a UML diagram.