

CS111 Introduction to Computer Science

Recitation 10

Exercise 1: Project

Discuss the project.

Exercise 2: Bank account class

- a) Imagine that you work for a bank (that is not about to collapse...) and that you will be writing software to manage customers' accounts. You decide to write a class that represents an individual bank account. What data should your class store? What operations should your class offer? (Think about what people do with bank accounts.)
- b) Now, implement your class in Java. Define fields for each of the pieces of data you decided to store. Define and implement methods for each of the operations you decided to have your class offer.
- c) Think of sequences of these operations that would be good to use to test the functionality of the methods in your class. Justify your choice. Can you think of a sequence of operations for bank accounts that might cause problems?
- d) Write a simple test driver that creates an instance of your bank account class, executes the sequences you came up with in part (c), and displays the results.