

GIT Department of Computer Engineering
CSE 222/505
Spring 2013

Homework 01
Due date: March 18th 2013 23:59

Follow the software development model introduced in Chapter 1 of the textbook(2005 edition) to design a program for a bank. Your program should keep information about the customers, accounts, bank workers, and bank branch offices. There should be ways to add, remove, modify account and person information, which is kept on files. You will define the rest of the system requirements.

Use EA to do following

- Define the system requirements
- Draw the use case diagrams for all the system actors
- Define the use case scenarios for all actors and procedures
- Design your system, name your classes and methods and draw the UML diagrams
- Give your sequence diagrams and algorithms for each procedure.
- Implement your system
- Write your unit tests in Junit
- Include sample runs and unit test results in your submission.

All phases of the software development should be clearly marked in your submission, which should be sent to the TA. Do not use any libraries or tools other than a Java compiler, IDE and debugger.