

Problem Solving and Programming in Business

Homework 1 a

The “special” group will be designing and developing business objects for use by other students. Our motivating example this semester is banking.

For this homework I want you all to work as a team. (Weird, I know.)

Research some academic papers on online banking and banking systems. Use the ACM Digital Library (available via the Library page on the Marist site) to search for some papers on this topic. Here are two to get you started:

Building a Service-Oriented eBanking Platform

by Tony Chao Shan, Wachovia Corporation, Charlotte, NC

Proceedings of the Services Computing, 2004 IEEE International Conference on (SCC'04)

Pages: 237 - 244 / ISBN:0-7695-2225-4

Factors influencing the adoption of web-based shopping: the impact of trust

by Craig Van Slyke, France Belanger, and Christie L. Comunale

ACM SIGMIS Database / Volume 35, Issue 2 / Spring 2004

Pages: 32 - 49 / ISSN:0095-0033

Deliverables: A presentation consisting of areas documenting

1. the name of the bank
2. a list of all the business processes needed to run a (small) bank
3. an object model (generalization hierarchy) for each process
4. an global object model encompassing all processes
5. a (global) data model (E/R diagram)
6. a list of all the team members and who will be developing what processes/classes in the coming weeks
7. a copy of each research paper you used in preparation of this document.

This should be “final project”-quality documentation. You will present this to the class and me during week three.