

Assignment 1

Due Date: October 10, 2013

Objective

To familiarize with RUP requirement, analysis and design work flow as well as associated artifacts.

This is an individual assignment. It is not acceptable (zero point) if your solution is identical or almost to your colleagues'.

1. Assuming that you are a system engineer or architect who is responsible in requirement and analysis workflow for ATM machine product. The customer (banks who are buying your product) requires at least the following features (make sure you have other necessary operations too):
 1. deposit money
 2. withdraw money
 3. check balance

You are expected to produce artifacts in requirement and analysis work flow (use case model, and analysis model)

You are also expected to at least have a “deposit money” use case from the first above assignment. Please produce a design package (only for the withdraw use case context) that includes artifacts in the RUP design work flow (minimally, sequence, collaboration, activity, state and class diagram)

2. You are a software engineer at a small company and your company has asked you to design an accounting software package that keeps calculates taxes for employees based on their salaries. You estimate that this project will cost approximately \$20000. However, you know that there is an accounting software package on sale at Walmart for \$500 that does a similar job. Give reasons why you should buy or not buy the software.?