

Overview

In order to have a common code base upon which to conduct a technical discussion, we would like for you to complete the following programming assignment before you arrive for your interview.

Please do not spend more than a few hours on this, we value an 80% solution now as opposed to a 100% solution never, so making assumptions to simplify your implementation is expected. Use any language or tools that you desire although our main focus is on Java or Javascript/node.js. We will use this exercise to get a sense of your problem solving skills, your decomposition skills, and the way that you approach refactoring.

Problem Description

Provide a basic ATM (Automated Teller Machine) implementation. At a minimum, this program should offer the following features:

1. Enter a PIN to identify a unique customer
2. Query and show the current account balance
3. Withdraw cash
4. Make a deposit

Deliverable

Before you arrive for your interview please provide the following:

1. A fully implemented and working solution. Use your choice of programming language, but we work primarily in Java and JavaScript.
2. Provide full source of your solution in electronic format.
3. Provide a trace of a sample run.

During the interview we will:

1. Ask you to describe your design and implementation decisions.
2. Ask you to talk about testing scenarios and considerations for real-world deployment.
3. Ask you about the next set of features that you would want to implement.