

MIS6130 - INFORMATION SYSTEMS SECURITY, CONTROL AND AUDIT

ASSIGNMENT I

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February 14, 2016

Outline the process of a withdrawal from an ATM machine, identifying the parts of the process that correspond to:

- **Authorization**
- **Audit**
- **Identification**
- **Authentication**

The general steps involved in an ATM withdrawal are:

1. Card Inserted. Identification. The ATM greets the client with a welcome message
2. Language selection. This is part of identification process so that the user gets to communicate in their most comfortable language
3. PIN number entered. Authentication. The ATM now indeed verifies that you are who you claim to be because the card could have been stolen.
4. Selection of the type of transaction.
5. Enter withdrawal amount
6. Execute withdrawal. This is all about authorization. It is dependent on what transactions that the user can do, based on the type of account, withdrawal limits etc.
7. Card ejection
8. Money presented to client
9. Printing of receipt. This is the audit process such that there is a transaction log placed on what happened, where, at what time and by who

Bibliography

[1] Ian Sommerville *Software Engineering* Addison-Wesley, 9th Edition, 2011

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