Abstract

This thesis discusses each aspect in the development phase of a new proposed business system solution called ACHUSI. The proposed system is developed according to the Waterfall software development life cycle by more focusing on the Accounting system. This ACHUSI Accounting system aims to control daily financial transactions at the operational level and improve its throughput. Then, each transaction is recorded to the central database. The flow of this system is applied by adopting some phases in the Accounting Information System.

The Accounting subsystem includes some smaller subsystems like Account Receivables subsystem, Account Payables subsystem, and Reporting subsystem. The Account Receivables automates and maintains receivables (owed credit payment) from customers that have bought products in credit transactions. The Account Payables automates and maintains payables (owed paid liability) to suppliers. Furthermore, these transactions will be summarized in order to generate reports in a periodic end of time (daily, weekly, or monthly basis). On the other hand, the reporting subsystem processes information from AR/AP subsystems and other data entry interfaces (e.g. from master modules) in order to create periodic report at the end of transaction period.

The ACHUSI Accounting system provides solution for current manual system which is ineffective to be used in peak time period. This system will ease the upper managerial level to know the current financial health of the company. Furthermore, this system is also integrated with the analysis system to map the inputted transactions data into illustrative graph useful in the decision making process.

Keyword:
Windows Form-based application, Accounting Computer Application (Account Receivables and Account Payables), Modified Waterfall Software Development Life Cycle