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ANALYTICAL AND CONCEPTUAL DESIGN OF CLEARING AND MONITORING TOOLS FOR RETURN CLEARING SYSTEM IN XYZ BANK

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Abstract

The objective of this thesis is to solve XYZ bank’s problem in its clearing process, which currently takes a lot of time and effort to finish. To solve this problem, a new system will be designed to automate manual works in the clearing process which will increase efficiency and effectiveness in the clearing process.

The approach that I’m using to analyze and design the proposed system is a combination from both Traditional System Analysis and Design approach and the Object Oriented Analysis and Design approach. Therefore, to describe his analysis and design of the system the author will use DFD, ERD, and UML diagrams. In addition, to elicit the information the author require, the author will use the interview and observation techniques.

By implementing the proposed system, the efficiency of the clearing process in XYZ bank is greatly increased. Many of the manual works which was taking so much time and effort in the past is now greatly reduced, if not eliminated, and automated by the system. Furthermore, the effectiveness of the processes also increased since the process is now having much less errors than before.

In conclusion, the implementation of the proposed system will solve all of the XYZ bank’s problems which are described earlier; which at the same time increasing efficiency and effectiveness in the clearing process as a whole in XYZ bank.

PREFACE

The analysis and design process of XYZ bank clearing system started when XYZ bank wanted to replace the existing clearing system with a new one. The reason of this plan was because the current system is no longer able to support their current performance requirement. Therefore, the author who was pointed as the assistant project manager for the project decided to use this opportunity to use the material for this thesis.

Firstly, the author would like to thank God for all His blessings and guidance along the development of this thesis. With His grace, the author has managed to finish this thesis completely and on time.

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The author would like to dedicate this thesis to God and to his spouse, for being there every time the author needs someone to support him.

From the deepest of the author’s heart, the author hopes that this thesis would be useful to anyone who reads it. However, the author also realizes that this thesis is still very far from perfection. Hence, the author highly appreciates any critic and idea that the readers have to make this thesis better. Thank you.

Jakarta, 17th of July 2007
Author

Daniel Vincent Hadikrisno
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