

Conclusion and Further Work

8.1 Introduction

The previous chapter was about the evaluation of the developed system. This chapter describes conclusion of the project and further work to be done in the system.

8.2 Assessment of the achievements

In the frame of limited time and resources it was felt that it has achieved 99.9% success in the overall project. Now it is time to remember the objectives mentioned in the chapter 1 and their achievements in the conclusion.

- Centralize the clearing process of the People's Bank.

Centralizing the process was achieved in a flexible manner of add further branches to the system. The movement of courier around the country was eliminated and usage of huge number of CDs too.

- Make a payment decision hierarchy with in the bank.

In the developed system the decision hierarchy consists with three layers. If necessity arises it can be further divided.

- Make the system interface with the Core Banking System and Signature Verification System.

This objective also achieved in terms of a challenge. The challenge was the lack support given by the software vendor of the said systems.

- Gain the knowledge of comprehensive life cycle of the software engineering.

It was great work in the project to achieve this life time objective. The toleration and hard work paved the way to success.

- Improve the knowledge of development tools in desktop applications and web base applications.

Some essential knowledge of both desk top and web applications were acquired in the development. Special work with images it was needed special kind of knowledge.

8.2 Problems Encountered

- Moderate experience in software process and adapt to it

Though the author has the experience in software developing field in 5+ years, has not got practice in whole software process. Most of the time user manual was considered as documentation of software.

- Fed up with the rework

In the design face there was a lot rework. But in the later part of designing it was easy to carry out the task with the help of experience gain in the project.

- Time management

While dealing with other day to day duties it was hard to cope with managing time. Sacrificing and commitment were key to achieve the success.

- Interfacing with the other systems

The Core Banking System and SVS are purchased from foreign vendor. Their support for an in house development was always low. It was hard to find a proper documentation of these systems too. The understanding of implementation was got only by ad hoc manner.

8.3 Limitations of the Solution

People's Bank is operated with two banking system. The branches operated with Core Banking System (200 branches) can be catered with the developed system. Because the other banking system is de-centralized and running in UNIX environment and it is difficult but still possible to cooperate. As the other branches also are converting to the Core Banking System in the near future, that effort was not taken.

Not limiting to eye verification is the signature verification it can be implement auto verification. The images in the signatures system were scanned using the customer's mandate and the said images are with other parts of the document. And also the area of signatures in the cheque is in garbage manner. Verifying these two is impossible or very resource consuming task as far as computer is concern.

8.4 Further Work

As a further work an auto signature verification system is identified. Images of the signatures have to be recaptured in order to get a better image. In some cheques there is more than one signature and there are combinations of signatures to match. It makes more complexity scenario.

8.5 Summary

This chapter is the conclusion of the project. It provides an appraisal of the project and reflects on how far the aims and objectives of the project have been realized. The chapter also points out problems encountered and limitation of the solution. Finally it highlights possibilities for further work.



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Glossary

Term	Type	Description
Administrator	Actor	System administrator
Branch Manger	Actor	In charge of the branch
CBSL	Abbreviation	Central Bank of Sri Lanka
CCD	-do-	Central Clearing Department
CD	-do-	Compact Disk
CICPS	-do-	Centralized Image Clearing and Processing System
Courier	Actor	Messenger with documents/parcel
DVD	Abbreviation	Digital Versatile Disk
ER	-do-	Entity Relation
IP	-do-	Internet Protocol
LCPL	-do-	Lanka Clear (Pvt) Limited
MIRC	-do-	Magnetic Ink Character Recognition
MODI	-do-	Microsoft Office Document Imaging
OCR	-do-	Optical Character Recognition
OOAD	-do-	Object Oriented Analysis and Design
Section Manager	Actor	In charge of the each section
SSADM	Abbreviation	Structured Systems Analysis and Design Method
SVS	-do-	Signature Verification System
TIFF	-do-	Tag Image File Format
UI	-do-	User Interface
UI	-do-	Unique Identification
UML	-do-	Unified Modelling Language
VPN	-do-	Virtual Private Network