

Student Internship Programme (SIP) Final Project Report

at

YOUR_INTERNSHIP_COMPANY

Reporting Period:

05 2020 to 08 2020

by

YOUR_NAME_HERE

Department of Computer Science

School of Computing

National University of Singapore

2019/2020

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Project Title: YOUR_PROJECT_TITLE

Project ID: YOUR_PROJECT_ID

Project Supervisor: YOUR_PROJECT_SUP

Summary

A prototype system has been developed to connect an IBM PC or compatible to an IBM 3081 mainframe computer for making direct database accesses. The system includes programs which run on both the PC and the mainframe to allow communications and to forward database access queries and the results of the queries. The system was developed based on the ideas which have been used in different microcomputer packages. However, no existing system includes the widowing functionality, or the interactive capabilities have been developed here. The system was developed in Turbo Pascal for the IBM PC, and IBM Pascal on the mainframe. The design criteria and the implementation details are presented in this report.

Subject Descriptors:

- C.2.4 Distributed Systems
- D.4.4 Communication Management
- H.2.4 Data Management Systems
- H.3.5 On-line Information Services

Keywords:

Distributed databases, micro-mainframe link

Implementation Software and Hardware:

IBM PC/XT, MS_DOS 3.1, MS-Windows, Turbo Pascal 3.0.1, IRMA Card, IBM 3081, VM/CMS, IBM Pascal

Acknowledgements

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Chapter 1

Introduction

1.1 Background and Organisational Structure of Host Organisation

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1.2 Principal Activities of Host Organisation

1.3 Training Programme within Host Organisation

1.4 Position of Host Unit within Host Organisation

Chapter 2

Training Schedule and Assignments

2.1 Training Schedule by Month for the Entire Training Period

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2.2 Training Assignments Completed in 1st Month

2.3 Training Assignments Completed in 2nd Month

2.4 Training Assignments Completed in 3rd Month

Chapter 3

Knowledge and Experience Gained

3.1 Technical Knowledge Gained from Assignments

3.2 Organisational/Industry Experience Gained from Assignments

3.3 Areas of Applicability of Knowledge and Experience Gained

Chapter 4

Conclusions

4.1 Summary of Work Completed and Training Received

4.2 Problems Faced

4.3 Assessment of Training Experience and Concluding Remarks