



**AnyDbMobileSync : Database Agnostic
Synchronization Framework for Mobile
Application**

**A.G Suminda
(MS12900732)**

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I certify that I have read this thesis and that in my opinion it is fully adequate, in scope and in quality, as a thesis for the degree of Master of Science.

Mr Prasanna sumathipala

Approved for MSc. Research Project:

MSc. Research Project Co-ordinator, SLIIT

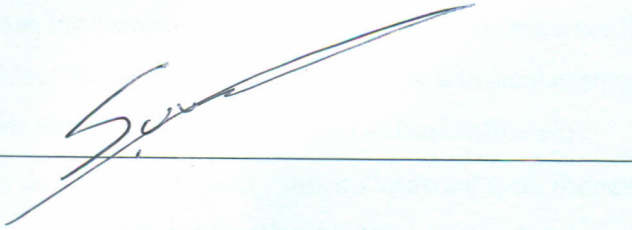
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Declaration of originality

This is to certify that the work is entirely my own and not of any other person, unless explicitly acknowledged (including citation of published and unpublished sources). The work has not previously been submitted in any form to the Sri Lanka Institute of Information Technology or to any other institution for assessment for any other purpose.

Signed _____

A handwritten signature in blue ink, appearing to be 'S. S.', written over a horizontal line.

Date _____

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Table of Contents

Abstract	4
Acknowledgements	5
Table of Contents	6
Chapter 1	8
Introduction	8
1.1 Study Background	8
1.2 Study Area	8
1.3 Dissertation Structure	9
1.4 Aim and Objectives	9
Chapter 2	15
Literature Review	15
2.1 Introduction	15
2.2 Microsoft Sync Framework	15
2.3 Oracle Mobile Sync	18
2.4 DB2 Mobile Sync	20
2.4 SQL Server Replication	22
2.5 conclusion of chapter 2	37
Chapter 3	38
Methods	38
3.1 Introduction	38
3.2 Methods and techniques	39
3.2.1: Database Table information	40
3.2.2: Database Trigger information	47
3.2.3: Database store procedure information	48
3.2.4 Sync service application information	48
3.3 Conclusion of Chapter 3	49

Chapter 4	51
Results	51
4.1 Introduction	51
4.2 Discussion of results	51
Chapter 5	57
Conclusions	57
5.1 Conclusions	57
5.2 Recommendations	57
Bibliography	58

Abstract

AnyDbMobileSync : Database Agnostic Synchronization Framework for Mobile Application

Abeysingha Gunawardhana Suminda

MSc. in Information Technology

Supervisor: Mr Prasanna sumathipala

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Implement database independent data synchronization middleware framework (AnyDBMobileSync) for Server side SQL server/oracle database/my sql etc. and client side any data store (HTML5 local store/websql/sqlite etc).

If offline mobile application used this middleware sync framework then their backend Database can change without mobile application extra development.

Framework handled different database type (Sql server/oracle/my SQL) that communicates mobile client's offline data.

Framework and Mobile Client communicate using Rest-full service. Because of that mobile client side doesn't need to install extra API. Communicate data object type is JSON and JSON can use any application language to extract data from JSON object.