

Universiti Teknologi MARA

Internet browser bookmark synchronization tool

Muhd Baharul Nashim Bin Ibrahim

Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Information System Engineering
Faculty of Information Technology And
Quantitative Sciences

MAY 2007

DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline

MAY 31, 2007

MUHD BAHARUL NASHIM BIN IBRAHIM

2005616491

TABLE OF CONTENTS

CONTENT	PAGE
DECLARATION	ii
ACKNOWLEDGEMENT	iii
LIST OF TABLES	vii
LIST OF FIGURES	viii
ABSTRACT	ix

CHAPTER 1: INTRODUCTION

1.0	Introduction	1
1.1	Research Background	2
1.2	Problems Statement	3
1.3	Objectives of the Research	3
1.4	Scope	4
1.5	Significant of Research	4

CHAPTER 2: LITERATURE REVIEW

2.0	Introduction	5
2.1	Synchronization	5
2.2	Bookmark synchronizer	6
2.3	Synchronizing technique	6
	2.3.1 Online synchronizer	7
	2.3.2 Offline synchronizer	7
2.4	Synchronization Approach	8
	2.4.1 Regular expression	8

2.4.2	Hash function	9
2.5	File and Folder Synchronization	10
2.6	File synchronization algorithm	13
2.7	Synchronization Application	14
2.7.1	Rsync	14
2.7.2	Microsoft ActiveSync	15
2.7.3	Puma technologies intelliSync	16
2.6.4	Palm HotSync	17
2.8	Summary	17

CHAPTER 3: METHODOLOGY

3.0	Introduction	18
3.1	Planning	18
3.2	Analysis	19
3.2.1	Data collection	20
3.2.1.1	Exploration study	20
3.2.1.2	Theoretical study	21
3.2.2	Data analysis	22
3.2.3	Finding	23
3.3	Design	23
3.3.1	Logical design	23
3.3.2	Detailed design	24
3.4	Testing	25
3.5	Summary	25

CHAPTER 4: RESULTS AND FINDINGS

4.0	Introduction	26
4.1	The browser	27

ABSTRACT

Synchronization is a process balancing two or more places. Synchronization can be applied to many applications such as hand phone, PDA and others. This research is focus on Mozilla Firefox browser bookmark. The name of the tool that wants to develop is Internet Browser Bookmark Synchronization Tool. The tool is function to synchronize user bookmark and more specifically synchronize the Uniform Resource Locator (URL) in the bookmark file. Currently, there are several bookmark synchronizer tool available nowadays. But it is a package that should be installed on the browser or in other word is the extension of the browser. Current tool require connection between pc to pc and internet connection. The develop tool is not require those connection, it can be done by copying the file and insert into the tool. Objective if this research is to identify the file management technique especially synchronization technique, to identify and compare the current available bookmark synchronization method and tool and to design and test the bookmark synchronization tool for browser. Literature review is consist all the information related to research field, it will explain clearly on synchronization, file synchronization and others related to bookmark synchronization. All the reading materials is categories as secondary data, primary data is more on exploration study which is include making experiment on available bookmark such as making comparison. As the result of the experiment it will tell clearly the strength and the weaknesses of the tools and also the structure of the tools. After get clear view from the experiment, process developing the tool using Java language will become easy.