

Developing a Parental Control Browser for Symbian60 via SMS



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ABSTRACT

Content filtering in the cyberspace has always been an issue since there was a widespread use of the internet

The project is about monitoring and controlling the internet sites, downloads, and emails of a certain desktop which is used by children by filtering its content, time restrictions, URL filtering, and reports of internet activity. Application will have a database of blacklisted sites and updates its database by automatically learning a new site from its content.

Keywords:

Content Advisor, Internet Content Rating Association (ICRA), Symbian60

CHAPTER 1

INTRODUCTION

I. INTRODUCTION

1.1 Background of the Study

Technology is becoming a powerful tool of information and almost anything in the web can be easily accessed. There is no limit to what you can get in the World Wide Web for as long as you have a PC and an internet connection.

The project is about controlling and monitoring the access of Symbian60 mobile phones browser from accessing sites. The project will create an application which will provide the user with website restrictions (Blacklisting), user privileges, and short website information before the user can access the website. It also provides white listing of websites. The application aims to provide limitation for children on using the internet on their mobile phones. Because of the easy internet access, children can easily be exposed to unwanted internet sites.

1.2 PROBLEM STATEMENT

The study seeks to answer the following general problem:

- How to provide a parental control browser on Symbian60?

Specifically, it seeks to answer the following questions:

- How to integrate PICS (Platform for Internet Content Selection) and web browser on Symbian60?
- How to effectively monitor internet activity on symbian60?
- How will the web browser rates the internet sites?

1.3 OBJECTIVES

- To develop browser which accommodates parental controlling.
- To learn about Symbian60 and its features and capabilities
- To learn Carbide C++ in developing the application
- To come up with a customized browser to accommodate the functions.
- To provide an advice or information about a website and monitor its contents
- It provides blocking of sites and its sub-domain.

1.4 Significance of the Study

As an overview, the study is to develop a Parental Control Browsers in Symbian60 that will enable the researchers to develop and modify some of the said application in this project.

For the users, the possibility of restricting sites that would protect their children from sites that contains certain contents that is not advisable to children.

1.5 Scope and Limitation of the Study

The study will focus on creating a symbian60 web browser with parental control on it. This application will provide user privileges, and website restriction. The main modules will be implementing parental control on symbian60 which is not yet implemented. The application will only work on Symbian60 mobile phones. The programming language to be used is Carbide C++ since it is Open Source software that can develop mobile phones application.

1.6 DEFINITIONS OF TERMS

PICS

Platform for Internet Content Selection is a World Wide Web Consortium (W3C) group that defines rating systems and rating information for Web-based content. The term also refers to a set of specifications developed by that group. PICS ratings give parents and teachers standards to help them decide what their children or students should be allowed to access on the Internet. The criteria can also be used for other purposes such as code signing and privacy assurance.

IDE

Integrated Development Environment is a software application that provides comprehensive facilities to computer programmers for software development.

Symbian60

Symbian60 is an open source operating system for mobile devices and is based on Symbian OS owned by NOKIA

Carbide C++

Carbide C++ is a software development tool for C++ development on Symbian OS. It is used to develop phones that use the OS, as well as applications that run on those phones