

TOWARD AN EXTENSIVE MOBILE FRIENDLY NAKHTIM AL-QURAN APPLICATION

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Abstract

This paper aims to provide a detailed account of the research and development efforts put in the design and development of a complete and extensive Qur'an portal. This portal will make all the reading and resource sections accessible to the audience they are using mobile phones. In responses to the technological advancement and to stay closer to Qur'an, this mobile friendly application by the name of Nakhtim Al-Qur'an. The Especial feature of this Nakhtim Al-Qur'an app is that, it pops up every single time automatically as you unlock the phone with one verse of Al-Qur'an. The application will provide a specific widget interface on a mobile phone, enabling quick access and implementing the specific multimedia features of a mobile phone. A Qur'an authentic translation for non-Arabic users is also available; the translation of Qur'an in several languages for different language speaking people are included. It will also promote the research and study of Qur'an through an easy Qur'an search tools.

Keywords: application, information, mobile, Nakhtim, Qur'an

Introduction

In the modern age of Information and communication system, people are habituated to use computer and computer application. But Mobile Application uses and development is a new and rapidly growing sector. There is a global positive impact of mobile application. Using mobile application developed country are becoming facilitate and people, society of developing country are upgrading themselves and making a new type of IT infrastructure. Mobile applications are running on a small hand hold mobile device which is moveable, easy to use and accessible from anywhere and any place. Now a day, so many people are using mobile application to contact friends, browse internet, file content management, document creating and handling, entertainment etc. From everywhere user can get facility of mobile application. People can do many things of his daily life and business life. (Md. Rashedul Islam, Md. Rofiqul Islam,2010)

The impact of increased and varied mobile phone applications in the context of Qur'an is growing rapidly. Qur'an-based software products have been developed at the cutting edge of technological innovation. The developers and content providers do try to respond with applications, which focus on specific Muslim branches and affiliations, as well as particular requirements of Islam. The paper deals

with the design and development of a cloud based comprehensive online Qur'an portal, which can be accessed using any Internet enabled device.

The main idea behind this work is to design and develop a dynamic portal, which makes all the reading and resource sections of it accessible to the audience across the Internet, whether they are using laptops, PCs, mobile, tablet, or personal digital assistants.

For Muslims, Qur'an is the revelation from Allah sent to mankind through Prophet Muhammad (peace be upon him). Thus studying and learning the Holy Qur'an plays a central role in the life of Muslims. With the proliferation of information technology, a large numbers of software and web-portals have been developed to make this learning process ever easier than before. These applications cover various aspects of Qur'anic knowledge, like reading, memorizing, recitations (both listening and practicing), semantic search of the Qur'anic text, etc. With the advance of smart phones technology and vast availability of Internet, many applications for Qur'an are being built for mobile devices. In addition to the various applications on Qur'an, a number of research works are reported on Qur'anic text, like automatic text categorizations, semantic search in the Qur'an, recognition and correction of recitations, etc. (Zameer Ahmed Adhoni¹, Husam Al Hamad)

A survey of the current tools and techniques for Qur'an reveals the following main fields and the features of the Holy Qur'an studies.

- Its pops up every single time automatically as you unlock your phone with one verse of Quran
- Murottal paragraph
- Reading with *Tajweed* (rules of recitation of the Qur'an).
- *Tafseer* (explanation of the Qur'anic verses).
- Translation and Transliteration of the Qur'anic verses (called *ayays*).
- Memorization of the verses of the Qur'an.
- Searching for verses/words of Qur'an, including semantic search.
- Qur'an Recitation and Bookmarks
- Authentication of Qur'anic verses available in various online documents.
- Speech Recognition technologies for learning Qur'anic recitations.

Although these available Qur'anic applications facilitate learning the Holy Qur'an, they lack a unifying framework under which a complete Qur'anic portal can be developed. Any applications on Qur'anic text need to be developed from scratch and the currently available applications have little to offer to the developers to facilitate the development tasks.

Problem Statement

For Muslims, Qur'an is the revelation from Allah sent to humankind through Prophet Muhammad (peace be upon him). Thus studying and learning the Holy Qur'an plays a central role in the life of Muslims. With the proliferation of information technology, a large numbers of software and web-portals have been developed to make this learning process ever easier than before. These applications cover various aspects of Qur'anic knowledge, like reading, memorizing, recitations (both listening and practicing), sematic search of the Qur'anic text, etc. Nowadays we realized that most of the people using Mobile application called "Nakhtim". Therefore, it is worth to investigating the effectiveness of "Nakhtim" mobile Quran application on the performance of learners. In addition, the challenges when using "Nakhtim" Qur'an apps in digital devices.

Objectives

The main objectives of this paper are;

- To recognize the benefits of the "Nakhtim" Quran application
- To recognize the Advantages of the "Nakhtim" Quran application
- The barriers faced by the users when using "Nakhtim" Quran application
- To identify the limitations of the "Nakhtim" Quran application

Methodology

In this study, we have used primary and secondary data collection methods. We used primary data collection method like interview, group discussion and questionnaire. In addition, we used the research papers, internet, reviewers report and feedback from the users as secondary data collection method. The population of this research is the 30 students of South Eastern University of Sri Lanka, who uses the Nakhtim Qur'anic application.

Literature Review

Manal Elobaid, Moawia Elfaki Yahia Eldow, (2016) in their research they are describes a project focusing on developing application software for android device. The aim of the research is proliferate the learning of holy Quran using latest technology for non-Arabic speakers. In addition, they explain that, smart phones are becoming our center of our lives; these devices are brining immediacy and availability of the internet. That has changed and transformed the way of people access information. Therefore, there is utmost need to utilize this fast growing technology in propagating the teaching of the Quran. Finally, they state that they are going to develop a Quranic app called AN-Noor app. This application will fulfill the need of non- Arabic speakers and it will replace the mistakes of other Quranic apps.

Hafizah Rosli and Dr Ruslan Abd Rahim dida research under the title of "A Study of The Malasiyan Youth Perception Toward 'Muslim Pro' Apps Through Smart Phone in Malasiya. The aim of the

research is to get a better understanding on current situation of the Malasiyan youth perception toward 'Muslim Pro' apps through their smartphones. The purpose of their study is to identify the users perception, use and usefulness of the mobile app that give a certain impact toward improving their practice toward basic Islamic principle as Muslim in Malasiya. Additionally, the user's perception as Muslim through this religion application had been examined through online survey by using The Technology Acceptance Model (TAM) as variable to measure. In addition, they hope that it will be useful for everyone to conduct further researches in future.

Nakhtim Al-Quran Application

We all believe that it is near to impossible to stay out of touch with their mobile phones in this era. In responses to the technological advancements and to stay closer to Quran, there is a mobile app by the name of Nakhtim Al-Quran. It pops up every single time automatically as you unlock the phone with one verse of Quran. There is an option to read the verse in nearly 42 different languages or hear it with recitation with an option to choose from 18 reciters. In addition, delay the verse, so the sequence would not break.

Nakhtim help to read aya (verse) from holly Quran every time when use the phone. In addition, it gives the summary or analysis on daily / weekly basis.

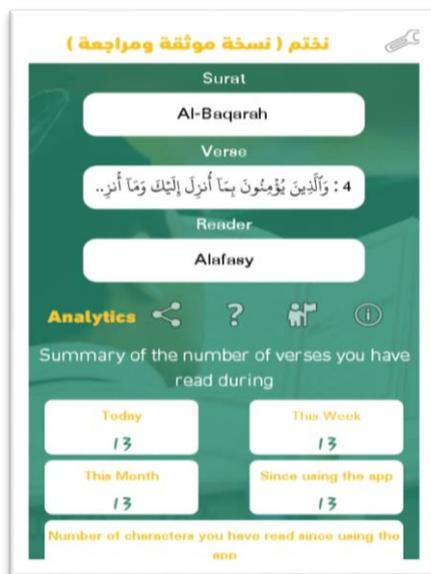


Fig.1 : analysis on daily / weekly basis



Fig.2 : Nakhtim Settings

That means whenever pick the phone, it automatically asks you to read one verse of Quran. it is amazing. I know there are many mobile applications already available, but they open request. This application does not require the permission to read Quran but pops up on its own and comes up on its own and come up with verse. After we read, the verse can close the app and handle the mobile the way we want.

The mobile application not only brings closer to Allah's message every now and then but also abide you by bad doings, message or people. it makes logic as if you read the message of Allah a moment ago, Also the mobile application is recommended by Mufti Ismail Menk in his lecture. Its reviews are good and overall rating is 4.8 the wonder of this app it brings in the life just in a time.



Fig. 3: Nakhtim Quran Verses

The application Nakhtim is a program of reciting the holy Quran in a smart and easy way. It helps to use the time in good things like earning big rewards as big as mountains, so whenever you want to open your mobile, you are presented with a verse of the holy Quran from the last verse you read. You can also read its interpretation. Moreover, hear it in the voice of the favorite reciter.

Benefits of the Nakhtim AI-Quran Application

- It makes to read a verse of Quran every time when you open your mobile, so that we are not one of those who “Don’t read the Quran”
- We all open our mobiles everyday more than a hundred times, how many verses you could read in one day.
- The program will show you at that beginning of each new day, your daily, weekly and monthly readings statistics since you used the program

Advantages of the Nakhtim AI-Quran Application

- Can choose where we want to start
- Shows the statistics of the verses that we read
- Can choose the favorite reciter from among many reciter
- Shows the next and previous verse, to increase the readings

- “Later” is a feature we can click on if we want to quickly use the mobile and postpone reading to the next time.
- Shows the Surah name and the verse number

Limitation of the Nakhtim Al-Quran Application

One of the big challenges of mobile application is its platform capability and limitation. Beside the interesting usability of mobile application, they have some more interesting platform problems and limitation. We are trying to discuss the limitation in bellow.

- **Small Screen Size:** In mobile platform, it is difficult or impossible to view text and graphics like a desktop computer screen.
- **Lack of windows:** In desktop, we can see many windows at a time. However, in mobile platform it is difficult.
- **Navigation:** Most mobile devices do not have mouse like pointer, so it has limited flexibility in navigation.
- **Types of pages accessible:** The mobile platform do not support all type of file format.
- **Speed:** The speed of processing and speed of connectivity of mobile platform is slow.
- **Size of messages or email:** Many device support limited number of characters in message or email.
- **Cost:** The cost of cellphone, mobile application and the internet bandwidth charge is high.

Conclusion

After all the limitation of mobile environment and mobile application, the uses and popularity of mobile application are increasing day by day. Most of the people are trying to use mobile device and mobile application instead of desktop for easy task. Gradually the uses of mobile applications are increasing corresponding to the use of desktop applications. All of the mobile manufactured companies and mobile application Developer companies are increasing the capacity, quality and functionality. So the modern mobile applications are more capable and more usable for the user. And the global impacts of mobile applications are going high. In this paper we have tried to explain the so many things about mobile application and business with some data from modern market. And we think this paper will help to other for further study in the mobile application area.

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