

A PRELIMINARY DESIGN FOR E-DUA APPLICATION

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Abstract:

The main aim of this research to develop an application for du'a regarding to the health, based on prophetic traditions (Hadith). The application also can help people for discovering authenticity of du'a easily. The reason behind this research due to a shortage of applications provide du'a from Hadith for health purpose only. On the other hand, most of current applications not so careful about authenticity of Hadith. Beside this, mobile platform is one of the most effective ways to spread du'a widely, easily, and less costly. The methodology used in this research is the ADDIE model which is consists of 5 phases: Analysis, Design, Development, Implementation and Evaluation. As a result, E-du'a application may serve as a guide and reference for people, because it will be specified about the sources and status of the Hadith. So, people will not hesitate to practice du'a in their daily life.

Keywords: Du'a, Prayer, Health, Hadith, Application.

INTRODUCTION

Du'a plays a major role in the life of the Muslim regarding his relationship with Allah. When the servant makes du'a it affirms that he trusts, relies on and is in need of the Most High's Assistance. Allah Almighty says in the Holy Qur'an: "When my servants ask you about me, (tell them), I am really close to them, I listen to the prayer of each supplicant when he invokes me." (Quran, 2: 186).

Our Holy Prophet [ﷺ] named du'a as the best form of worship. He calls it the du'a weapon of the believer. Ali [radi Allahu anhu] narrated the Prophet [ﷺ] said: The Dua is the weapon of the believer, a pillar of the religion and a light for the Heavens and the Earth. (Al-Hakim:1812). Due to a shortage of application provided du'a for health issues based on authentic Hadith, this research aims to develop an application for du'a to help people for discovering the collection of dua related to health issues from Hadith easily.

In addition, it will be specified about the sources and status of the Hadith. E-dua application is for peoples who are searching for the supplication of health to practice the Islamic way in healing process. There will be no registration needed to access this application but only download and install it from play store for android user.

LITERATURE REVIEW

In this literature review, related research and articles were analyzed to find out what are the related works in augmented reality approaches of the previous research that can be applied. Based on the review of literature, this project will be upgrading any approach of previous research. In this chapter also will do comparison with any other existing application that maybe have the same with this application. It will decide what to do to overcome the weaknesses of other applications.

Research and Articles:

In 2013, *Sanni Mukaila Akanni* mentioned in his article entitled an exposition of Islamic medication in the light of the Quran and Hadis about the concept and principle of medication in Islam, the Quran and medication, the Hadith and medication and the forms of medication in Islam. The research was being conducted using a qualitative method involving library research. The limitation of the studies is focusing on defining the concept of medication in Islam.

In addition, the research found that Islam is a total way of life that encompasses every facet of human endeavors, it has not left any problem or sickness without proffering solution or cure to it in the noble Quran or the Sunnah of Prophet Muhammad (S.A.W). Low Tan Jung et al. (2008), conducted a project paper about mobile Islamic medication expert systems about the expert system that is able to provide the most suitable treatment with reference to the relevant verses cited in Quran or Hadith. The methodology of this study is divided into three phases.

First, project initialization by investigating exhaustively relevant medical information in the Quran. Second, prototyping by modules design and developments which is for mobile applications development J2ME is deemed a suitable tool. Lastly, seeking avenues for further research and development for the MIMES as an online system for the final integration. The limitation of the research is focusing to produce a mobile application to Islamic medication. In addition, the research found that the mobile platform provides and advantage for the patient to get treatment practically anytime and anywhere.

The article entitled health and medicine in the Islamic tradition based on the book of medicine (Kitab al-Tibb) of Sahih al-Bukhari written by Dr. Nurdeen

DEURASEH (2006), attempts to study the book of medicine (Kitab al-Tibb) in Sahih al-Bukhari that gives primarily idea on the conditions of Muslims in the time of Prophet (S.A.W), how did they prevent and treat the disease. A qualitative method has been used involving library research as the methodology of this study. The scope of the research is focusing on the titles of each chapter in the book of medicine that reflect the content of traditions regarding medicine and what is related to it. In a nutshell, the research found that most of al-Tibb al-Nabawi is preventive medicine (al-Tibb al-Wiqa`i) rather than therapeutic medicine (al-Tibb al-`Ilaji), and has been practiced in the time of the Prophet (S.A.W) and even after.

In 2015, Rosdianah Rahim writes down in her article entitled the concept of Islamic treatment on disease about finding remedy upon illness as well as clues to some medical treatments. The research was being conducted using qualitative analysis involving library research. The limitation of the research is focusing on the core treatments thought by the Prophet Muhammad which is divided into three parts spiritual treatment, material treatment, and moral treatment. In conclusion, the research found that the healing treatment that is appropriate to the concept of Islam is the treatment based on the Quran and Hadith.

In 2009, Hanita Daud et al. mentioned in their article entitled Development of Online Islamic Medication Expert System (OIMES) about the Expert System can provide the most suitable treatment regarding the relevant verses cited in Quran or Hadith. The methodology of this study is divided into three phases. First, by analysis the symptoms that user have, then the system will suggest possible disease and later suggested treatment in the form of Quran verse(s) or hadith with the related gestures. Second, by implemented OIMES. Third, by developing the system that suit to all user. The limitation of the research is focusing to physical illness such as headaches, toothache, stomachache, sore eyes which later shall be extended to other type of diseases.

Also, the research found that the online platform provides the advantage for patient getting treatment practically anytime and anywhere as long as the computer and Internet facility exist. Patient does not need to make appointment to see an expert for a therapy. The article entitled the healing power of prayer in Islam written by Amra Ahsan et al. (2012) discussed about the importance of prayer and how it can be a powerful healer in itself and can also form an adjunct to the healing power of medicines. The research was being conducted using a qualitative analysis involving library research. The scope of the research is focusing on belief in God or Allah (SWT) makes a critical contribution to our physical health. Finding from this study indicate that the act of prayer in itself is meditative and if one goes into the depth of the process it somewhere is a relaxation technique that calms the minds and body.

Rahman MT (2015) had written a project paper about health and healing in Islam: links and gaps with (post) modern practices. This article discuss the links and gaps between Islamic principles and practices for health and healing and similar practices in other faith and therapeutic interventions observed in (post) modern community. The methodology adopted in this study is a qualitative analysis involving library research. In conclusion, finding from this study shows that evaluation of different therapeutic strategies using guidelines from the Quran and hadith is vital for all Muslims. The prescribed way of life in Islam based on both faith and practice would provide a holistic view of health and healing thus would be beneficial for the mankind.

Salih Yücel in 2010, conducted a project paper about prayer and healing in islam with addendum of 25 remedies for the sick by Said Nursi. The focus on this study is on how prayer, in particular, *salat*, *du`a*, recitation of Qur'an, and *dhikr* affects Muslim patients' well-being. This study was conducted through a survey and empirical research. Besides, the result of this study suggests that prayer affects patients positively. It reduces stress and depression, gives comfort and hope, and alters blood pressure, respiratory rate, and body temperature. This study also draws attention to religion as holding a significant role in the lives of Muslim patients.

In 2009-2010, Suirati SARI state in her article entitled healing through complementary therapy: the Qur'anic and the Sunnah approach about proving the remedies provided by the Prophet S.A.W and the followers. The research was being conducted using quantitative method involving survey. The limitation of the research is focusing on why the method of treatment has being chosen. In addition, the research found that the remedies provided by the Prophet S.A.W and the followers are better and more efficient than the remedies of all others.

Existing applications:

Based on our research about the existing applications, there are very few mobile application that has been developed specializes for the dua illness. Below, the some example of the existing applications.

a. Dua To Recover from Disease

This is an audio android app, which can be listened on mobile and tablets to recover from any sickness. Publish Date: 2013-10-16, Uploaded by by: Shad S Bapir.

b. Dua e Shifa

Dua e Shifa, an app presented by Vision Appz, consists of almost 60 Quranic duas which can act as a remedy to several vicious and brutal diseases. This app consists of

translation for every dua in urdu and a brief guideline for recitation. Publish Date September 6, 2016, by Mohammad Javed Arif.

c. Dua for Good Health

Dua for good health is an Islamic application in which users can learn and recite Duas for Good Health. Publish Date: 2017-05-10. Uploaded by: Mukesh Khatri

d. Dua -Supplications

In this Around 100 Dua or Supplication collections with Translations and Transliteration. Developed by priyo islam Bangladesh. Publish Date :2 August 2019.

2.3 Comparison Table of Existing Applications:

The weakness of the existing applicatins can be identified when making the comparison. It is aimed at fixing weaknesses and deficiencies in existing applications. Below table shows the comparison of existing applications based on year, publisher, platform, advantage and disadvantage. From this comparison, the weakness of the existing product can be identified.

PRODUCT	YEARS	ADVANTAGES	DISADVANTAGES
Dua to recover from Disease	2013	Its focus on disease	Difficult to download
Dua e Shifa App	2016	Simple design not crowded.	Don't Have audio. Discription by Urdu.
Mobile App Dua for Good Health	2017	Simple design not crowded.	Translation does not provide. Very short
Mobile App Dua – Supplications	2019	Has many du'as provided in the interface. Include transliteration and translation	No audio forms. Not focus on disease

METHODOLOGY

Research design usually implies a framework for the preparation and execution of relevant studies. Research design is a crucial part of the research, as it encompasses all four important considerations: the strategy, the conceptual framework, identifying who and what to study on, and the tooling procedures to be used for data collection and analysis (Keith F Punch, 1998).

In this study, the researcher uses multiple approaches as a qualitative technique, as well as design and development. Shank (2002) describes qualitative research as "a type of systematic empirical meaning analysis." Systematically he means

"planned, organized, and public," following rules decided upon by members of the qualitative community of study. He implies, empirically, that this form of inquiry is built on the world of experience. The inquiry says researchers are seeking to understand how others make sense of their experience. Meanwhile, research for design and development is defined as "the systematic study of processes of design, development and evaluation to establish an empirical basis for creating instructional and non-instructional products and tools and new or enhanced models governing their development." (Richey & Klein, 2008). In comparison, Richey and Klein (2007) design and development are also based on the concept that design and development practices are empirical in nature.

ADDIE model used a methodology of this application, which involves five stages, such as analysis, design, development, implementation, and evaluation. The reason behind to select this model because this model has an iterative instructional design process, where the results of the formative evaluation of each phase may lead the instructional designer back to any previous phase. On the other hand, this model is suitable for developing mobile applications. Figure1 below shows the phases of ADDIE model.

The information that the researcher will analysis which is the number of Hadith can be found using library research and other kinds of assessment such as *Maktabah Shamela* to provide a collection of Hadith and make sure the authenticity of the Hadith is valid. Next, the researcher will design the application according to the suitability of the user. In this step, various characteristics will be taken care of to make sure the application that will be developed attracts more attention from people so that they will use the application. In the evaluation phase, there will be an evaluation of the usability analysis and the learner analysis. Below, explanation and description of all phases.

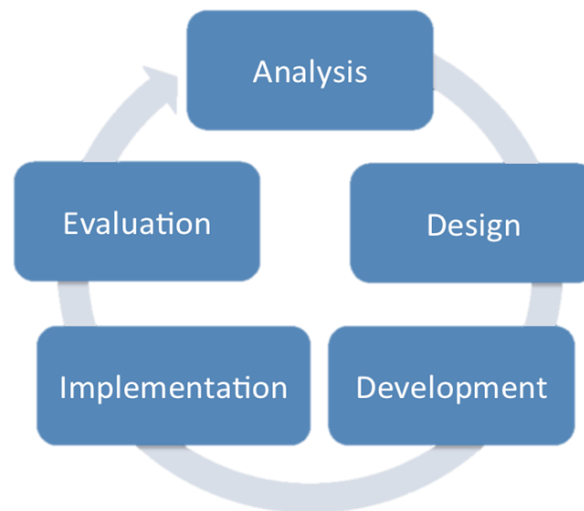


Figure 1: ADDIE Model

Analysis Phase

At this stage, it involves several determining processes and identifying problems in the process of developing mobile e-Du'a applications. Once a problem can be identified, an analytical process will be undertaken to find out what causes, or factors are related or that cause the problem. The analysis process involves various aspects including analysis of du'a in Hadith, analysis of the learning environment, and identify the goal of creating this mobile e-Du'a mobile app.

Design Phase

Identify the architecture of the device and create a prototype based on the functionality to be designed. The data or specifications collected during the planning and review process have been translated into a design. The focus of the design process is on learning goals, material, topic analysis, exercise, lesson planning, evaluation methods used, and media selection. The storyboard will show the look and feel of the application to be created.

Development Phase

This level includes creating a real e-Du'a mobile application using all the multimedia and technology elements chosen based on the specifications or requirements of this application. Built based on the process of research and design. The goal of this process is to develop successful module plans for Muslims using the e-Du'a mobile application. The learning steps and the media to be used in teaching and other necessary documents will be established during this process. The performance during the design process will be input into the production phase. Resource project development work will be performed in accordance with the design specifications decided upon. Every invention will be reviewed to ensure that it is reliable and successful.

Implementation Phase

The implementation phase represents the first test of making the entire course and is therefore recommended to divide this phase conditionally into two parts: a test implementation phase and a final implementation phase. The implementation phase is the testing phase. Completed applications will be tested by the supervisor. Testing is aimed at finding the weaknesses and detecting any unobserved errors during the authoring process. During the test, the supervisor freely commented and criticized for improvements to be made and any errors can be corrected.

Evaluate Phase

This stage tests the instruction's efficacy and quality. This evaluation requires the process of collecting user feedback on the content, graphics, audio, interfaces, and so on found in the application. This process is carried out by buying processes, assessments, questionnaires, interviews, and so on, to ensure that the application is in line with customer needs.

PRELIMINARY DESIGN

Page Design


Mobile application Title : e-Du'a: Du'a for Health	
Page Title: List of Du'a	
	<p>Screen Layout Description</p> <p>Text: List of Dua Dua For Headache Dua For Toothache Dua For Treat Wounds Dua For Sore Eyes Dua For Cold Dua For Fever Dua For Boils</p> <p>Image A- Home icon</p> <p>Colour Background #7DD5E7</p> <p>Action - Click on segment for each du'a navigate to subpage for each selected du'a - Click on Home icon navigate to menu page</p>

Table 1: Storyboard of list of du'a

Mobile application Title : e-Du'a: Du'a for Health	
Page Title: Du'a	
	<p>Screen Layout Description</p> <p>Text: Title of Dua Dua Meaning of dua</p> <p>Image A- Left arrow icon B- Hadith Status</p> <p>Colour Background #7DD5E7</p>
<p>Action</p> <ul style="list-style-type: none"> - Click on left arrow icon navigate to subpage list of du'a - Click on segment Hadith Status navigate to subpage Hadith Status 	

Table 2: Storyboard of du'a

Mobile application Title : e-Du'a: Du'a for Health	
Page Title: Hadith Status	
	<p>Screen Layout Description</p> <p>Text: Hadith status Hadith</p> <p>Image A- left arrow icon B- list of Hadith</p> <p>Colour Background #7DD5E7</p> <p>Action</p> <ul style="list-style-type: none"> - Click on left arrow icon navigate to subpage du'a - Click on list of Hadith navigate to subpage list of Hadith

Table 3: Storyboard of hadith status

INTERFACE DESIGN

On this page will display the list of du'a for health according to the type of sickness which are du'a for headache, toothache, for treat wounds, sore eyes, cold, fever, and boils. In each segment of du'a will be provided the du'a from Hadith, the meaning of the du'a and sound also included in Arabic. On this page, there also have two navigational buttons for example left arrow and Hadith status. When the user clicks on the left arrow icon it will navigate to subpage list of du'a and when click on segment Hadith Status navigate to subpage Hadith Status. While in segment Hadith status, there will be provided the source of the du'a, from where it comes, and also the status of the hadith. There will be two icons which are left arrow icon navigate to the subpage of the du'a, while when click on the list icon, it will navigate to the subpage list of du'a. Figure 2 shows the du'a interface design.

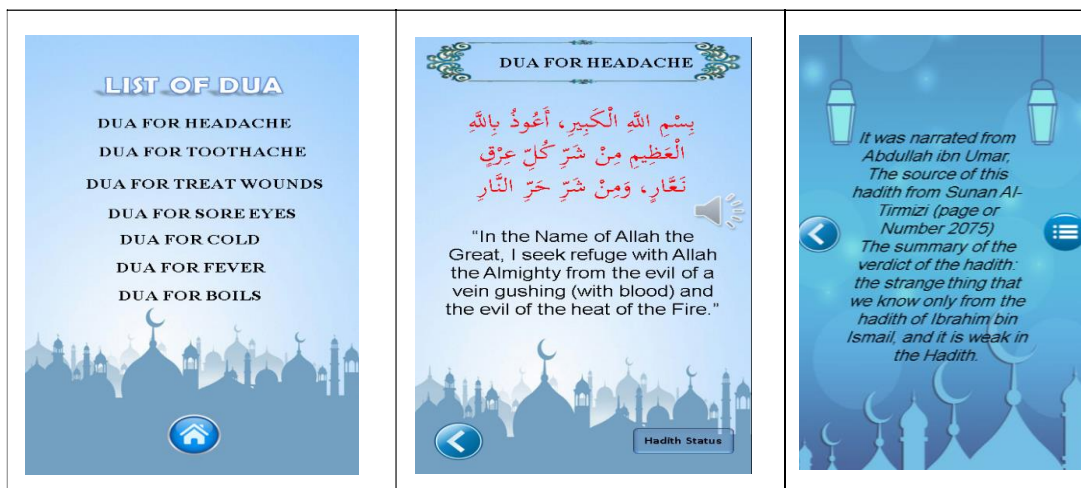


Figure 2: Du'a Interfac

CONCLUSION

This app can help people to discover several basic du'a for health that came from Hadith, with the applicable sources. In addition, this app is equipped with sound version that help user recite the correct ways of each du'a. However, there are still a lot of features that can be added into this application in the future so that it will bring more benefit to users. For example, this application should be able to be used by iOS users and also will be provided for setting the language into many version.

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