Mobile Application Utilizing 2D Animation to Learn Animals Stories in Quran in Multi Languages

[1]Yousef A.Baker El-Ebiary, [2]Elsayed Mohamed Salem Salem Elawadi, *[3]M. Hafiz Yusoff, [4]Syarilla Iryani A. Saany, [5]Yasser Mohamed Tarshany, [6]Nor Jannah Binti Abdullah

[1]*Assoc. Prof. Ts. Dr., Faculty of Informatics and Computing, UniSZA University, Malaysia,
yousefelebiary@unisza.edu.my
https://orcid.org/0000-0002-4392-8015*
[2]*Assoc. Prof. Dr., Faculty of Languages and Communication, UniSZA University,
Malaysia,
sayedsalim@unisza.edu.my*
*[3]Assoc. Prof. Dr., Faculty of Informatics and Computing, UniSZA University, Malaysia,
hafizyusoff@unisza.edu.my*
[4]*Assoc. Prof. Dr., Faculty of Informatics and Computing, UniSZA, Malaysia,
syarilla@unisza.edu.my*
[5]*Assoc. Prof. Dr., Faculty of Islamic Scinces, MEDIU, Malaysia,
yasser.tarshany@mediu.edu.my*
[6]*Student, Faculty of Informatics and Computing, UniSZA, Malaysia,
047701@putra.unisza.edu.my*

Abstract

This portable utility development project "the cellular mastering application of tutorial relate to animal's name in holy Quran" is constructed up its expects to encourage its usage and in accordance with the prevailing gradually complex innovation. in creating this mobile cell phone software. a few destinations and targets are targeted on. the fundamental goals are to break down the focal points and disadvantages handy on present cellular telephone packages, structuring an advanced and step by step attractive interface from the beyond versatile gaining knowledge of utility and growing alluring and possible transportable getting to know utility programming to help children with thinking about something new. additionally, this portable mastering application that consist of special blended media components in conjunction with content material in English, Arabic and Malay, video, sound and motion. a number of the proposals endorsed to improve and improve this utility is that the interest brought have to be an increasing number of progressive and alluring for the assessment of kids and the catches made to make intelligence should be more easy to recognize.

Keywords*: E-Learning, Holy Quran, Quran Stories, 2D Games, Mobile Games, Mobile Apps.*

I.   INTRODUCTION

Internationally growing complex, anyplace innovation. there are numerous portable gaining knowledge of programs existed, one among that is the type of mastering [1]. in accordance with the improvement of information and sight and sound innovation today. this mission factors are to create shrewd utility programming which can change the course mastering in an increasingly entertaining method.

Title of the application has been selected in handing over the object. this flexible learning utility is created for children matured 4 to 12 years of age. it's far notably supposed to help youngsters with understanding essential records approximately surah that applied the creature's name because the call, as an instance, Al-Ankabut (Spider), Al-Naml (ants), Al-Fill (elephant), Al-Nahl (honey bees), and Al-Baqarah (caw) [2]. this utility contains blended media additives, as an instance, sound, video, content, designs and interest. sound and liveliness affects are entered to well-known associations amongst customers and intuitive turn of events. along these strains, this utility will take a choice to introduce this

application in a regularly affordable structure and to allow the kids discover approximately this in an incredibly thrilling and active manner. youngsters in recent times had been step by step intrigued to play around or getting the dangle of something making use of both cell telephones, computers, cellular phones, or capsules than study an e-book or blessed Quran. most kids didn't think about a creature's money owed in sacred Quran. children are much less and omit middle when revealing to them a story and tough to envision than research thru smartphone or playing a game [3].

II. MOBILE APPLICATION IN LEERING

Cell phones have spread in the previous not many years to offer their clients an incredible chance to spare time and exertion, through some PDA applications and particular highlights that assist them with addressing their necessities.

Thus, a wide range of zones of human life have seen an incredible turn of events, which made the individual ready to gain proficiency with all the time effectively and helpfully, and all sciences everywhere throughout the world opened up to him just with one touch from a cell phone in the alleged idea of keen remote realizing, which changed the idea of instruction Conventionalism in the entire world and made learning through tablets and the Web an extra choice other than the customary learning of books in schools and colleges.

On account of this turn of events, the instruction part as a rule has seen astounding advancement, as new ages, regardless of whether researchers or instructors, appreciate a high level of electronic and mechanical culture and the steady desire to give all that is new to stay up with this turn of events, and the educator can undoubtedly speak with his understudies and basically stay aware of their thoughts. By planning instructive applications for cell phones that can be effectively structured through a portable application configuration organization that is put on different electronic stages where it opens up to everybody in the quickest time and with the least exertion or cost and makes many direct correspondence channels among understudies and instructors.

Instructive applications devoted to cell phones give numerous apparatuses and current components that help the educator disclose the logical material to his understudies and present them to them remotely in a cutting edge and pleasant structure through introductions, alluring pictures and video cuts that disclose the data to the understudy as you discover this technique famous with Numerous understudies, given that they present the data in a fun and paramount manner.

The educator can likewise record a few recordings wherein he clarifies his logical material and present it to his understudies through his advanced cell application and his understudies watch it by downloading the application on their telephones where it opens up to them all the time as it tends to be continued watching them ordinarily and comprehend them well and come back to them effectively Whenever should be assessed.

Advanced mobile phone applications likewise give the educator to convey more scratch pad, pens and outlines and supplant them with direct enlistment of study marks identified with students through the application and send test structures to them and get frames straightforwardly and in a brisk way through the application.

What's more, science is viewed as one of the most significant subjects that can profit by PDA applications and accomplish extraordinary advancement for the degree of understudies on account of it as this application causes educators to show complex conditions and laws in a fascinating manner and furthermore encourages understudies to keep and recover them whenever without inconvenience, which makes Understudy survey is simple and basic and should be possible whenever and from anyplace, which assists with improving the understudy's level in the subject successfully and rapidly.

It turned out to be clear the valuable job that advanced cell application configuration organizations play in improving the degree of instruction and disentangling separation learning for understudies and giving numerous systems and apparatuses helpful for the instructor and opening many direct correspondence channels among him and the understudies. The advantage of advanced mobile phone applications arrived at its peak during test times. Where the educator can get ready test models and associate them to understudies effectively notwithstanding numerous different highlights, for example, the simplicity of evaluating the degree of understudies and sorting out numerous occasions among understudies, for example, rivalries that animate understudies' assurance and urge them to learn and make a positive soul of rivalry among them.

III.   MOBILE LEARNING FEATURES

The mobile learning system is designed based on principles based on self-learning based on educational games, which provide understudy instances that excite his benefit and make him pass from a beneficiary of facts to a functioning pupil who follows

Express systems for inquiring about and investigating data all alone, on this way trying to preserve up the impact of preparation and make an age healthy for exploring and extricating records and inventiveness. in which the statistics is brought as instructive games dependent on the game based gaining knowledge of style, which offers instructive and enjoyment video games which can be fitting to the concept of the student, his degree of training, and the idea of the difficulty

Mobile learning features: Versatile getting to know - like transportable mastering - is portrayed by way of a whole lot of characteristics that make it a completely particular come across from gaining knowledge of in commonplace classes wherein each instructive action rely on the association with lifestyles, as it varies from specific varieties of separation gaining knowledge of, via what it furnishes from a wealthy situation with gadgets that help a long lasting mastering placing by using giving high, singular portability, adjusting to an instructive putting that includes fortifying students' facts and aptitudes, these highlights are featured through:

a) Gaining knowledge of takes place unavoidably and region. studying with a flexible would not require the need of being in specific places in or instances in request for figuring out a way to take place, along those strains encouraging mastering on every occasion and in anyplace, where a particular spot isn't always required, or sitting earlier than paintings region or pcs explicit spots, and if e-getting to know conveyed commonplace education frameworks outside faculties and colleges, there are constant focuses, concerning that schooling buddies away, that is, the pupil's craving for portable schooling will receive my role from with the end of the diverse instructive system without the want to sit in a homeroom or before laptop screens, which adds to: giving a extra profound concept of what is known as the high-quality accomplishment in each time and region, possibility to examine inside and beyond instructive foundations and look at halls, engaging in interest and collaboration that rises above land and bodily dispersing among understudies one another, and amongst them and their educators transferring from the idea depending on each time and anywhere, to the idea of getting to know continuously and all over, and that is an increasingly complete exam of the essentialness of preparation as per the requirements of the man or woman taught. manage passionate reactions to the pupil and control the development of statistics.
b) It offers the hazard to the student to hastily communicate with the worldwide facts arrange in which the internet is related thru the faraway application conference management, and this is finished in wherever without promise to be to be had in express spots, which inspires get admission to the web and skimming it whenever and any Spot.
c) It offers the risk to attach effectively among the gatherings to the instructive technique, as flexible mastering is defined by way of the simplicity of trading messages among students one another, and amongst them and the educator, via short messages or interactive media messages, and it's far something however difficult to exchange records and electronic books between college students.

d) The expense of this innovation is reasonably low and it's far modest and coursing. portable has opened up and exchanged with everyone and its usage within the instructive system might not cost the scholar the burden of buying one-of-a-kind devices, specifically with the modest value of cellular telephones.

e) Simplicity of versatility and development all through gaining knowledge of. global encounters for the usage of cell studying: there are numerous colleges, organizations, government institutions and scholarly foundations that embody coordinating e-learning with M-Learning, anywhere throughout the arena, And from these innovative tasks which are something but difficult to use, to apply transportable selecting up making use of improvements far off is as diverse because the Leonardo da Vinci challenge for the affiliation: "from e-figuring out a way to flexible getting to know." this project provides the structure of a studying state of affairs for remote advances just as gives models to this condition, which rely in its specialties that the portable coaching framework gives a framework just like the instructive technique the board framework and instructive substance in e-gaining knowledge of via a framework that offers with the web, called following flexible framework conveyance framework this framework allows managers of the instructive and preparing procedure to recognize the individuals who realize about the practice fabric and know the results of activities and the traits and shortcomings of each understudy. the framework likewise shows some measurable data, as an instance, the time spent in taking into account a specific educational magnificence, and a secret key can be protected for each understudy and the executives of recent understudies and old and allocate instructive guides for each collecting and different information that work to cope with this instructive procedure in a proficient manner. additionally, the palm force challenge assignment, and this challenge tries to make flexible learning a potential fact wherein the course content material is brought utilizing the PDA such as improvement and voice of high quality and browsing within the gadget depending upon the distributer through transportable gaining knowledge of versatile author is a software that allows the distribution of any substance enlightening and wise voice, photo and content to diverse portable frameworks. the instructive material is created on desktops, and afterward it's miles distributed at the WEB arrange or through a far flung device .... the files gave by means of the distributer can be perused by the portable autonomously without utilizing the WEB arrange, and the mobile telephone does not require any program to peruse the record gave by using the distributer on the versatile, as the statistics take a shot on the gadget language of the pre-owned mobile telephone. it additionally lets in students to check their capacities. the flexible gaining knowledge of for arithmetic challenge in south Africa underlines the threat of utilizing portable innovation in science education, as there may be a need to improve the diploma of understudies in numerical competencies and South Africa, and since the mobile smartphone is usually applied among understudies specifically to advance the reasons for mathematics mastering in formal guidance broadly.

IV.   PREVIOUS STUDIES

Schooling contemplates characterized as making fundamental and planned references to files containing facts, mind, statistics and techniques for purchasing information figuring out with the difficulty of an exam led. proficiency examines are an extensive piece of research wherein seems into are directing research on beyond investigations. after the professional decides the topic of the exam, the scientist will make a schooling look at to acquire the proper past research statistics. the various facts alluded to from the summary exam contain hypotheses, systems, instrumentation contemplates, study strategies, strategies for information assortment and research discoveries. the fundamental reason for skill ability considers is to place the investigation to be directed on a logical factor of view.

The below application see figure 1, created through Ilmasoft Deen in September 2019. the application makes use of android form 1.0.2 and doesn't make use of complete net affiliation with get to. there are some factors of interest and drawbacks to this utility. allude table 1 [4].

Figure 1: Application "Animal Mentioned in The Quran"

Pros	Cons
• Easy to Use • Easy to Understand the features	• The interface is so conservative • Not reasonable for kids as a result of the substance so overwhelming

Table 1: The Advantage and Disadvantage of the Application

The other application see figure 2, that created by means of Tinnytapps in May 2012. the utility utilizes android rendition 2.2 and does not utilize full internet affiliation with get to. there are a few preferences and stumbling blocks to this utility. allude table 2 [5].

Figure 2: Application "Animals Featured in The Quran"

Pros	Cons
• Mix of features • Contrast in colouring with text	• The application hasn't help and about button

Table 2: The Advantage and Disadvantage of the Application

One more mobile application under name "Animals in the Quran" see figure 3, that developed by Anhl Ahmed, this application has some pros and cons refer to table 3, these issue have been considered in developing the paper's application.
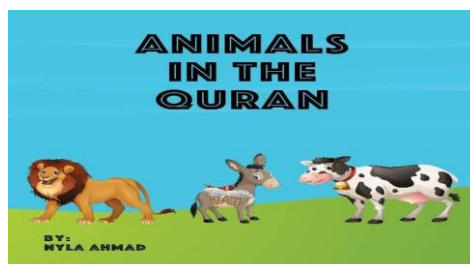
Figure 3: Application "Animals in the Quran"

Pros	Cons
• User friendly interface • Contrast in colouring with text	• Not attractive enough to the kids

Table 3: The Advantage and Disadvantage of the Application

V. METHODOLOGY

The direction closer to growing up utility is a via framework and it should be carried out stage by using techniques for degree as showed via its personal ranges. there are numerous utility advancement degree models that can be implemented in running up utility and an software development strategy can make use of a particular version distinctly or be a bit of delivered materials from special development designs to fill in as a popular rule while the software is made [6].

Addie version is a number of the instructive shape fashions that routinely expand as the premise of numerous instructive association designs. with the aid of utilising and large, the ADDIE model [7] can be addressed with the aid of the paintings approach as showed up within the diagram underneath, see to figure no. 4.
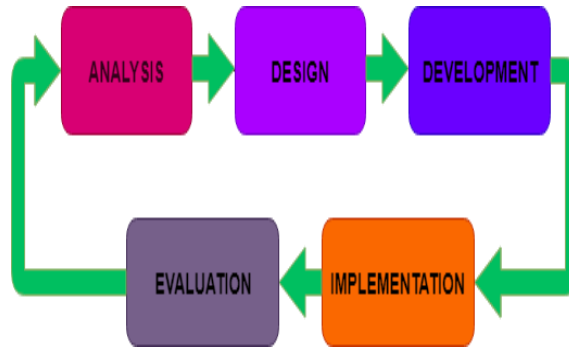

Figure 4: ADDIE model and the workflow

Figure 5 Determines the structure plan. administrator can refresh the application even as customer or participant can pick out any fasten on using the application. In line with some application been applied for database and 3D graphics design.
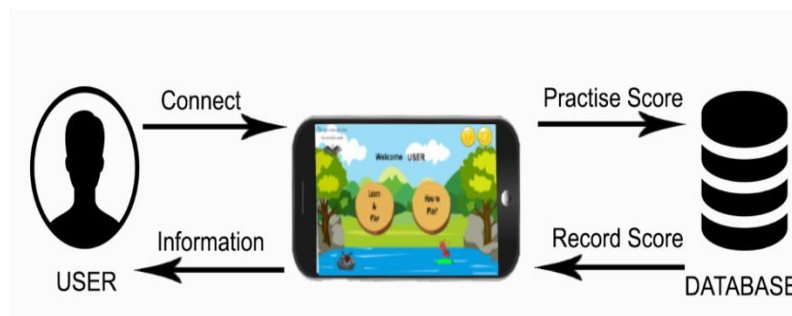

Figure 5: The design of the framework

VI. APPLICATION CAPABILITIES

Inside the occasion which you need to enlarge this vital, storyboard need to be made convenient sooner than making this flexible considering programming. it's miles maximum simple problems that foreseen

to awaken the development of this activities as a sort of standpoint and it is used so it is concurring with the path map. the storyboard is basically installed at the picked factor and it'll no longer get away the route that has been made. with this storyboard, the full interface might be worked from the beginning as far as practical.

Figure 6 is the begin interface for this interactive application. the consumer will   be asked to press the "begin" button first earlier than the visit the next page.

Figure 6: Begin Interface

Figure 7 is the enter call interface for this application. the person should input the call first to play the application.

Figure 7: Enter Name Interface

Determine figure 8 is the primary interface for this application. there are buttons with their own name on this phase.

Figure 8: Principal Menu Interface

Figure 9 is the study & play interface, in this segment there have the video. there are 5 video. the user ought to press the button of the animal's photograph to play the video.

Whilst the person need to press the "domestic" button to visit the home web page and press "exit" button to go out this utility.

Figure 9: Examine & Play Interface

Figure 10 is the Al-Nahl video interface as one instance of the to be had 5 animals inside the software. the user can press the "pause" button to pause the Video, "stop" button to stop the video and "subsequent" button to play the quiz.

Figure 10: Al-Nahl Video Interface

Figure 11 is the Al-Nahl quiz interface. the consumer must select the proper solution to get the score and press "homepage video" button to play the alternative video.
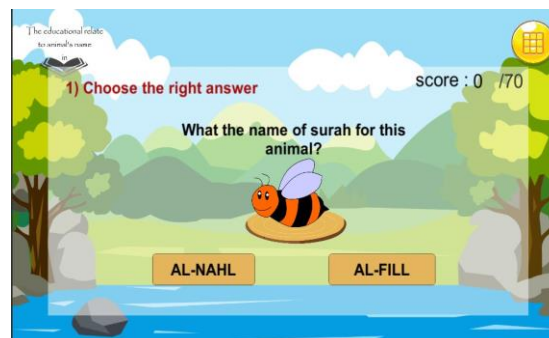

Figure 11: Al-Nahl Quiz Interface

Figure 12 shows the interface of the end quiz/recreation; this web page will seem in final of every animal's quiz or whilst the consumer finishes answering the closing question. the overall rating that the user receives additionally seem at the right-up
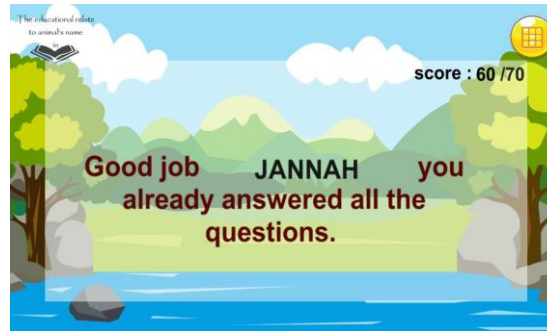
Figure 12: End Video Games Interface

Figure 13 determines how to play interface. the consumer wants to press the "domestic" seize to go to the touchdown web page and press the "resulting" button for see the other advance and moreover the "exit" seize to leave this software.
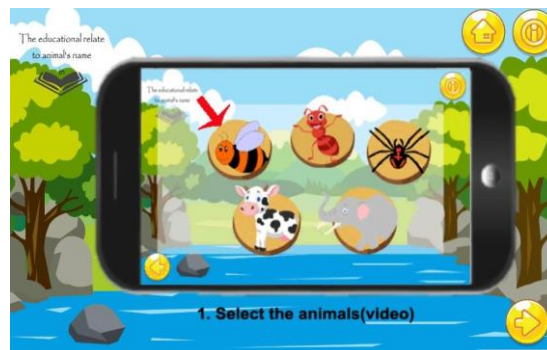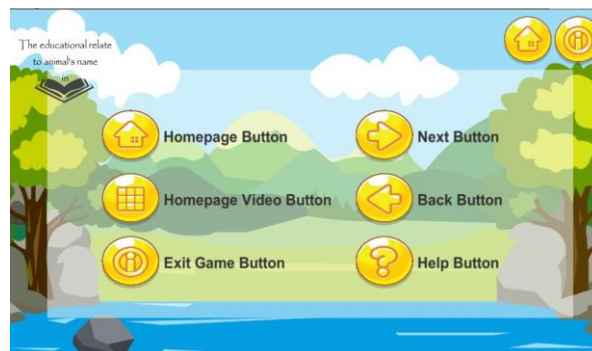

Figure 13: Game Interface

Figure 14: Assist Interface

Figure 14 is the assist interface. customers need to press the "home" button to go to the house page and press the "go out" button to exit this Software.

VII.   CONCLUSION

The gaining knowledge of software venture titled the portable studying use of instructive identify with creature's name in blessed Quran can earnings customers in assisting youngsters to be increasingly eager

on getting to know and can hone the comprehension of children within the instructive of heavenly Quran. moreover, this bundle in a roundabout manner produces innovation age of it in light of the reality that the usage of makes use of in mobile telephones and the android frameworks are required to utilize this utility. Among the blessings of this versatile getting to know software are: pull in mild of a valid issue for consumers specially youngsters. consolidates the territories of innovation and instructive components in a single application. increase a transportable mastering software that has a constant subject matter.

The versatile software challenge titled the transportable learning use of instructive pick out with creature's name in blessed Quran is correctly finished, however there are as but sever shortcomings on hand. anyways, the nearness of this learning software may be a prime thrust for people within the destiny to supply plenty higher gaining knowledge of application and nonetheless now not on hand inside the marketplace. some proposals to improve this utility are: the mastering software have to be gradually ingenious by means of including extra actions to match the focused on collecting. catches have to be progressively intuitive to be more smooth to use. upload missions in learning utility to make the getting to know all of the greater checking out and a laugh. have database that customer can comprehend their function like high rating. make use of increasingly becoming and regularly appealing sound and sound.

As a give up, with this studying game, the components of fun and diversion may be implemented so youngsters can sense that getting the cling of utilising this approach is a first rate technique of mastering, simply as assisting guardians to all of the greater correctly train kids.

Moreover, this versatile getting to know has this kind of big range of blessings inside the adolescents studying process to understand the creatures within the blessed Quran. the transportable studying use of instructive become aware of with creature's call in sacred Quran could make top rate and spur youngsters. this may cause the teen extra to recognise approximately the blessed Quran. the usage of this studying is a clever learning according with the ever-developing ICT enterprise within the present modernization.

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