



THE QURAN WEB APPLICATION FOR THAI LANGUAGE

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**A PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF
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ABSTRACT

The Quran is the way of life for all muslim in the world , to learning Quran is very simple cause there are many platform serve to the users.But for Thai Language still have less source that lead me to do this project“The Quran Web Application for Thai Language”.The propose to design and develop The Quran Web base for Thai language more convenient for users available to use this web to learn the Quran for example users Quran-translation , listen Quran-audio , watch Quran-Video-Tafseer ,learn Quran-Tafseer and can search by word or number.The web application also available for staff , admin and approval who can CRUD the content about The Quran such as update Quran Translation , Quran Video and so on.For the interface development languages such as HTML, CSS and Bootstrap. The languages used to control system operations include PHP, SQL, Laravel framework and JavaScript . Therefore, the benefit to The Quran Web Application For Thai language that has been a more functionally. And including developer who gain new knowledge and new experiences from training and learning to develop this web base.

หัวข้อโครงการวิจัย: อัลกูรอานเว็บแอปพลิเคชันภาษาไทย

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บทคัดย่อ

อัลกูรอานคือทางของมุสลิมทุกคนบนโลกในปัจจุบัน การศึกษาอัลกูรอานนั้นสามารถเข้าถึงได้ง่ายเนื่องจากมีหลายแพลตฟอร์มบริการแก่ผู้ใช้อย่างแพร่หลาย แต่แพลตฟอร์มที่เป็นภาษาไทยนั้นยังมีอยู่ไม่มาก ทำให้ฉันได้ทำโปรเจคนี้ขึ้นมา “The Quran Web Application for Thai Language” อัลกูรอานเว็บแอปพลิเคชันภาษาไทย เพื่อให้ความสะดวกสบายแก่ผู้ใช้งานภาษาไทย ผู้ใช้สามารถใช้เว็บแอปพลิเคชันเพื่อศึกษาอัลกูรอาน เช่น เรียนรู้คำแปลอัลกูรอาน , พิงเสียงอัลกูรอาน , ดูวิดีโอตัวเรียนอัลกูรอาน และสามารถค้นหาได้ด้วยคำหรือตัวเลข เว็บแอปพลิเคชันนี้ยังสามารถให้ สถาฟ, แอดมิน และผู้ตรวจสอบ ได้สร้าง , ดู, ลบ หรือปรับปรุงเนื้อหาในอัลกูรอานได้ เพื่อให้มีความถูกต้องมากยิ่งขึ้น เช่น คำแปลอัลกูรอาน , วิดีโอตัวเรียนและอื่นๆอีกมากมาย ในการออกแบบหน้าตาของเว็บแอปพลิเคชันนั้น ผู้พัฒนาระบบได้ใช้ HTML , CSS และ Bootstrap และใช้ภาษา PHP , Larevel Framework และ Javascript ในการเขียนโปรแกรมเพื่อให้เว็บแอปพลิเคชันสามารถใช้งานได้ ซึ่งผู้พัฒนาระบบได้ความรู้ และประสบการณ์ใหม่ๆ ใน การพัฒนาเว็บแอปพลิเคชันนี้มากขึ้น

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CHAPTER I

INTRODUCTION

1.1 PROJECT OVERVIEW

The Holy Quran is a book and the word of Allah. The meaning that carries the Noble Quran is unmatchable and not to be found in any other book in the world. The Holy Quran is the book in which Allah Almighty has blessed us with a complete code of life. Quran includes every aspect of life which a person needs to know about. The best of all education in this world is the Quran and acquiring it is mandatory for every Muslim. Being a Muslim, it is our belief that the learning of the Holy Quran is the primary and highly signified learning which is the solution to all problems and issues of our life. Allah(SWT) said

كما أرسلنا فيكم رسولا منكم يتلو عليكم آياتنا ويزكيكم ويعلمكم الكتاب والحكمة ويعلمكم ما لم تكونوا تعلمون

Since We have sent you a messenger from among yourselves-reciting to you. Our revelations , purifying. you, teaching you the Book and wisdom , and teaching you what you never knew(Dr. Mustafa Khattab, the Clear Quran)

Islam Religion gives importance to the learning of the Quran as it is a complete code of conduct. Islam attaches great importance to knowledge, learning and education. When the Quran was revealed, its first word was “Iqra”, which means is to read. The Noble Quran is a deep ocean of knowledge and learning that guide us till our last breath. That’s why Islam has emphasized the learning of Quran.

The Quran is a material and spiritual guide for individuals and the community, all classes of people living in any place or time and for the whole life of man. Everybody, from the president to the man in the street, finds the things that are about them in the Quran. They take the knowledge and lessons that are necessary for peace and tranquility both in the world and the hereafter.

There are so many website that muslim can learn Quran from it nowadays. But for Thai language still have less source to learning Quran. That’s lead me to do this project “Quran Web Application For Thai Language” . Which ‘s webapplication include the basic necessary feature for user such as Quran-Text, Quran-translation , Quran-audio , Quran-Search , Quran-Video-Tafseer, Quran-Tafseer and short note.

1.2 PROBLEM STATEMENT

Website The Quran in Thai language according to my research , There are 5 websites include

- 1.www.quran-for-all.com which consist of Quran-Text , Quran-Translation, audio and navigation
- 2.www.daasee.com include Quran-Tex,Quran-Translation and navigation.
- 3.tan- jaoui.ma , quranthai.blogspot.com and aiadk.com compose of Quran-text and Quran- Translation only.

As I mention above shows that for The Quran website in Thai language , The website which exist is not completely consist of basic feature if compare with website quran.com .For quran.com contain Quran-Text,Quran-Translation,Navigation ,Quran-Audio and Search-Button.Thus, it's lead me to develop The Quran for Thai Language in form of web application and make it functionally . The next chapter provides the related work in this area.

1.3 OBJECTIVE

- 1.To design and develop prototype of Quran Web Application in Thai language.
- 2.To make convenience for user to learning The Quran in one stop service.

1.4 SCOPE

- 1.Project going to develop in a Web base.
- 2.Project user experience and user interface available for Thai language .
- 3.There are five users include admin , end user , visitor staff and approval. They are standing in different roles of using.
- 4.The Web application is available for visitor to learn The Quran by read Quran-Text ,learn Quran-translation , listen Quran-Audio , select verses or chapter , using Quran search ,learn Quran-Tafseer , watching Quran-Video-Tafseer and create short note (only for end user) .
- 5.Admin can manage the web application by CRUD end-users , staff and approval ,CRUD Quran -Translation ,Qurqn-Audio ,Quran-Tafseer , Quran-Video-Tafseer , view Shortnote and view status of approval.
- 6.Staff can CRUD Quran -Translation ,Qurqn-Audio ,Quran-Tafseer , Quran-Video-Tafseer and view status of approval.
- 7.Approval can CRUD Quran -Translation ,Qurqn-Audio ,Quran-Tafseer , Quran-Video-Tafseer and approve status.

1.5 SIGNIFICANT OF STUDY

1.User

a. Convenient in leaning The Quran

User can read Quran ,listen audio ,select specific verse or chapter , using Quran search , learn Tafseer and create short note .

b. Accessible everywhere

This Web application is built in the form of a web application and user can access the Web base via internet.

2.Developer

a. Learn new things

Developer needs to learn more technology , new course to make web application better.

b. Improve skill

Developer can improve skills such as designing webpage and developer programming, Also improve language skills (in English).

1.6 SOFTWARE AND HARDWARE REQUIREMENTS

1.6.1 Software Requirement

| Software | Version |
|-----------|---------|
| PHP | 8.0.10 |
| Laravel | 8.0 |
| MySQL | 10.1.37 |
| Bootstrap | 4.2.1 |
| jQuery | 3.3.1 |
| Git | 2.19.1 |
| VS code | 1.30.2 |

Table 1.1 Software Requirement

1.6.2 Hardware Requirement

| Specifications | MacBook Pro (13-inch,2018) |
|--------------------------|--|
| OS | macOs Catalina |
| CPU | 2.3 GHz Quad-Core Intel Core i5 |
| Display | 13.3-inch, 2,560x1,600-pixel Intel Iris Plus Graphics 655 1536 MB |
| Memory | 8 GB 2133 MHz LPDDR3 |
| Storage | 251 GB Flash Storage |
| Network Interface | 802.11a/b/g/n/ac, Bluetooth 4.2 |
| Ports | 4x USB-C (Thunderbolt 3) |
| Weight | 1.37 kg |

Table 1.2 Hardware Requirement

CHAPTER II

LITERATURE REVIEW

2.1 DEFINITION THE QURAN AND MATERIALS

kor-AHN; Arabic: n/:ar'v(/k Quran The the is القرآن, :the lit. n,ā'al-Qur romanized' Koran, or Qur'an romanized also n]),:a?'[alqur pronunciation: Arabic recitation', (Al-God from revelation a be to Muslims by believed Islam, of text religious central literature Arabic classical in work finest the as regarded widely is lah).It

The Quran is written in Arabic and consists of 30 parts (Juz) which contain 114 chapters of varying lengths (called Surahs). Each chapter is formed from several verses (called Ayat). The number of verses differs from chapter to chapter where an individual verse may consist of few letters or several lines. The total number of verses in the Quran is 6237 (Shafi, 2017). The Quran text is written with diacritics and special recitation symbols called Tajweed symbols, which guide readers to recite the Quran correctly, these Tajweed symbols are not used in Arabic writing and they are unique to Quran.

2.2 RELATED WORK

2.2.1 quran.com

Tafsir Ibn Kathir

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Which was revealed in Makkah
The Meaning of Al-Fatiha and its Various Names

This Surah is called

- Al-Fatiha, that is, the Opener of the Book, the Surah with which prayers are begun.
- It is also called, Umm Al-Kitab (the Mother of the Book), according to the majority of the scholars.

In an authentic Hadith recorded by At-Tirmidhi, who graded it Sahih, Abu Hurayrah said that the Messenger of Allah said,

**الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ أَمَّ الْقُرْآنِ وَأَمَّ الصِّكَنَابِ وَالشَّيْعَةِ الْمَثَانِيِّ
وَالْقُرْآنُ الْعَظِيمُ**

Al-Hamdu lillahi Rabbil-'Alamin is the Mother of the Qur'an, the Mother of the Book, and the seven repeated Ayat of the Glorious Qur'an. It is also called Al-Hamdu and As-Salah, because the Prophet said that his Lord said,

**قَسَمَتِ الصَّلَاةَ بَيْنِي وَبَيْنِ عَبْدِي بِعَصْفَنَيْنِ، إِذَا قَالَ الْعَتَدُ: الْحَمْدُ لِلَّهِ
رَبِّ الْعَالَمِينَ، قَالَ اللَّهُمَّ حَمَدَنِي عَبْدِي**

The prayer (i.e., Al-Fatiha) is divided into two halves between Me and My servants. When the servant says, 'All praise is due to Allah, the Lord of existence,' Allah says, 'My servant has praised Me.' Al-Fatiha was called the Salah, because reciting it is a condition for the correctness of Salah - the prayer. Al-Fatiha was also called Ash-Shifa ('the Cure'). It is also called Ar-Ruyah ('remedy'), since in the Salih, there is the narration of Abu Sa'id telling the story of the Companion who used Al-Fatiha as a remedy for the tribal chief who was poisoned. Later, the Messenger of Allah said to a Companion,

Figure 2.1:user interface of Tafseer page quran.com

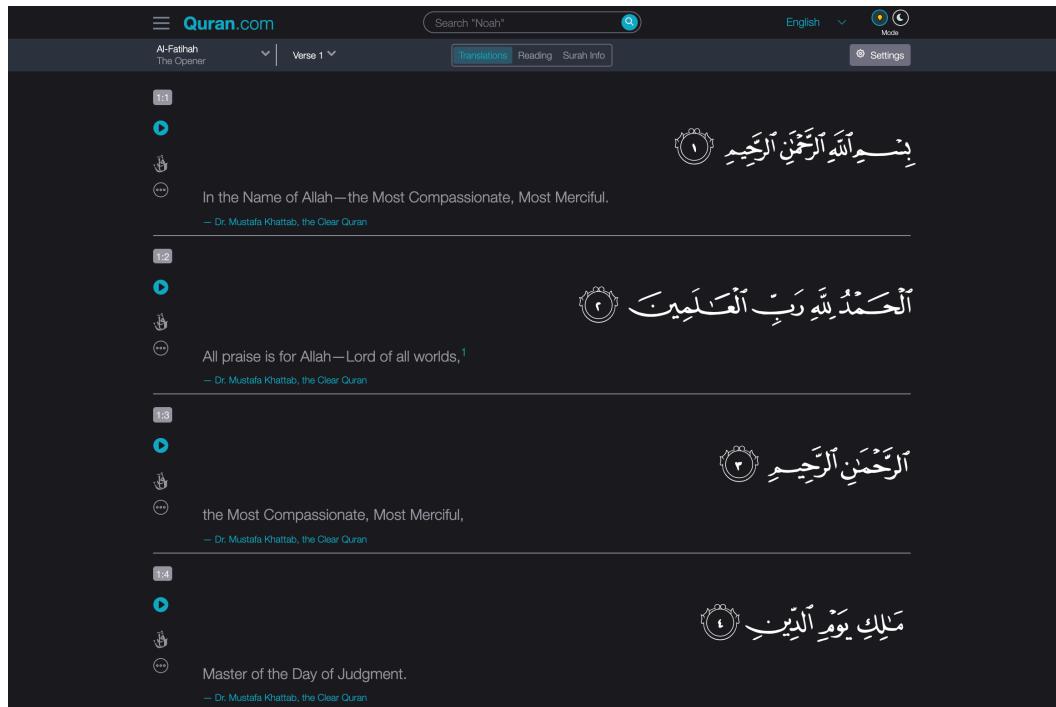


Figure 2.2:user interface of Quran page quran.com

This screenshot shows the Tafseer Ibn Kathir page for the Al-Fatihah surah. The title 'Tafsir Ibn Kathir' is at the top. Below it is the surah title 'بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ' followed by its meaning 'Which was revealed in Makkah'. A section titled 'The Meaning of Al-Fatihah and its Various Names' follows. It discusses the surah's name, its being the Opener of the Book, and its being the Mother of the Book. It also mentions that it is also called Umm Al-Kitab. A quote from Abu Hurayrah is provided. The main text of the surah is then presented in two parts: 'الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ أَمَّا الْقُرْآنُ فَإِنَّمَا الْحِكْمَةُ وَالْتَّائِبُ إِلَيْهِ' and 'وَالْقُرْآنُ الظَّمِيمُ'. A note explains that Al-Hamdu lillahi Rabbil-'Alamin is the Mother of the Qur'an, the Mother of the Book, and the seven repeated Ayat of the Glorious Qur'an. It is also called Al-Hamdu and As-Salah, because the Prophet said that his Lord said, 'I have divided the prayer into two halves between Me and My servants. When the servant says, "All praise is due to Allah, the Lord of existence," Allah says, "My servant has praised Me. Al-Fatihah was called the Salat, because reciting it is a condition for the correctness of Salat - the prayer. Al-Fatihah was also called Ash-Shifa' (the Cure). It is also called Ar-Ruyyah (remedy), since in the Sahih, there is the narration of Abu Sa'id telling the story of the Companion who used Al-Fatihah as a remedy for the tribal chief who was poisoned. Later, the Messenger of Allah said to a Companion,

Figure 2.3:user interface of Tafseer page quran.com

The Noble Quran is the central religious text of Islam. Muslims believe the Qur'an is the book of Divine guidance and direction for mankind, and consider the original Arabic text the final revelation of Allah (God). All translations of the original Arabic text are thus interpretations of the original meanings and should be embraced as such.

2.2.2 quranacademy.io/reader/

Quran academic io is the website that's strive to combine both technology and the power of human relationships to help people learn, love and live the Quran. All our resources, products and services are carefully designed to combine technology with social connection and access to experts that makes engaging with the Quran daily super-easy and beneficial.

The screenshot shows the Quran Academy homepage. At the top, there is a dark header with a search bar containing 'First name' and 'Enter your email'. Below the header, a large blue banner features the text 'Learn, Love & Live the Quran... Everyday!' and 'Discover technology-based resources to connect with the Quran in these modern times.' In the center, the heading 'Welcome to Quran Academy.' is displayed. Below it, a message of thanks and a recommendation for new visitors. To the right, there are four purple boxes highlighting different services: 'Quran Academy TV', 'Quran Academy Blog', 'Quran Companion', and 'Quran Academy Reading Web App'. Each box includes a small icon and a brief description.

Figure 2.4:user interface of page quranacademy.io

The screenshot shows the Quran Academy reader interface. At the top, the title 'سورة الفاتحة' (Al-Fatihah) is displayed above the first verse. The interface includes a toolbar with 'PURE READING', 'POINT SIZE', 'TRANSLATIONS', 'VERSE', 'HADITH', 'URDU', 'AUDIO READ', and 'PAGE READ'. Below the toolbar, the first verse is shown in Arabic script with English transliteration 'بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ' and the name 'AHMED ALI (ENGLISH)'. A note below the verse reads 'In the name of Allah, most benevolent, ever-merciful.' On the right side, there is a red notification bell icon.

Figure 2.5 : interface of main page quranacademy.io/reader/

2.2.3 englishquran.app

Englishquran.app is quran web application that include Quran in Arabic and English Translation by Saheeh International. Browse by Surah or Juz. Search the Quran for English Words all whilst being offline. Is a web application that do not need to connect with internet but still working.

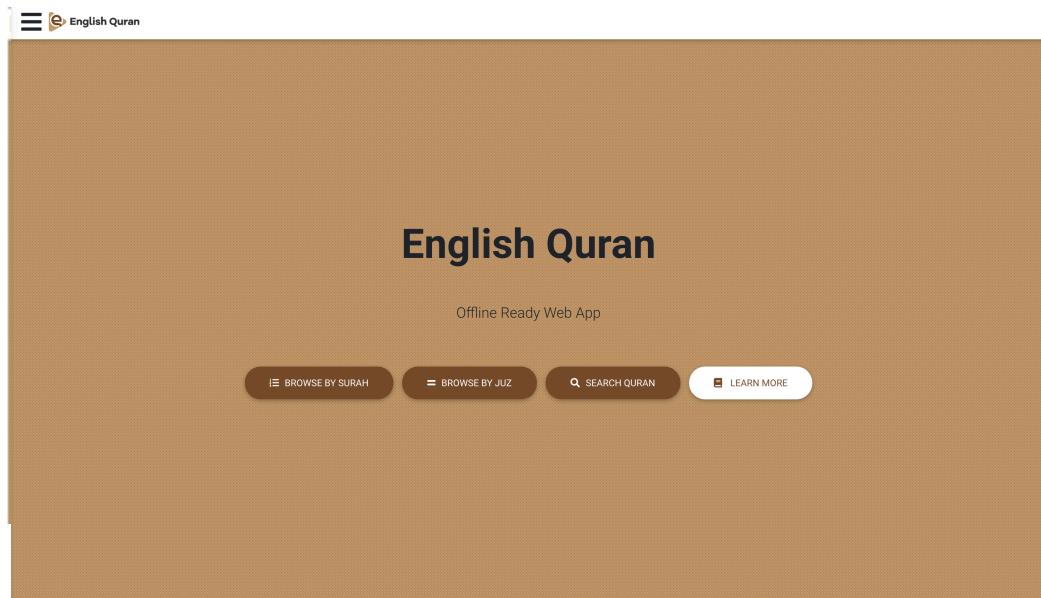


Figure 2.6:user interface of page englishquran.app

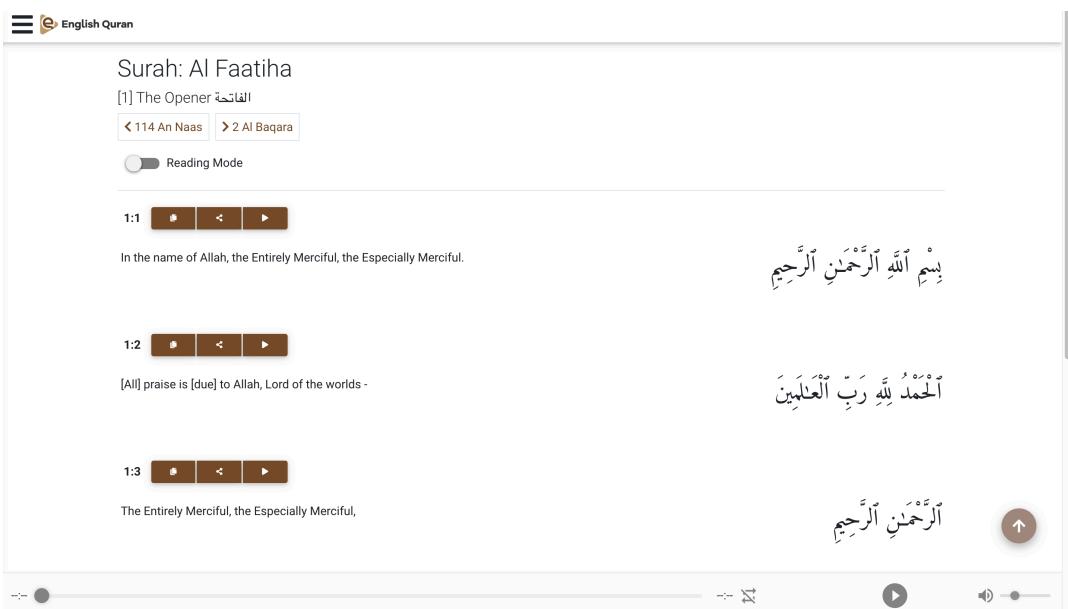


Figure 2.7:user interface of page englishquran.app

2.2.4 Alim.org

Alim.org is a social network focused around various Islamic content, including tafsir, hadith, Muslim history, Quran translations, Quran recitations, Islamic references and provides tools for studying Islam and memorizing the Quran. Explore the new unique and institutive way to discuss and share Islamic knowledge.

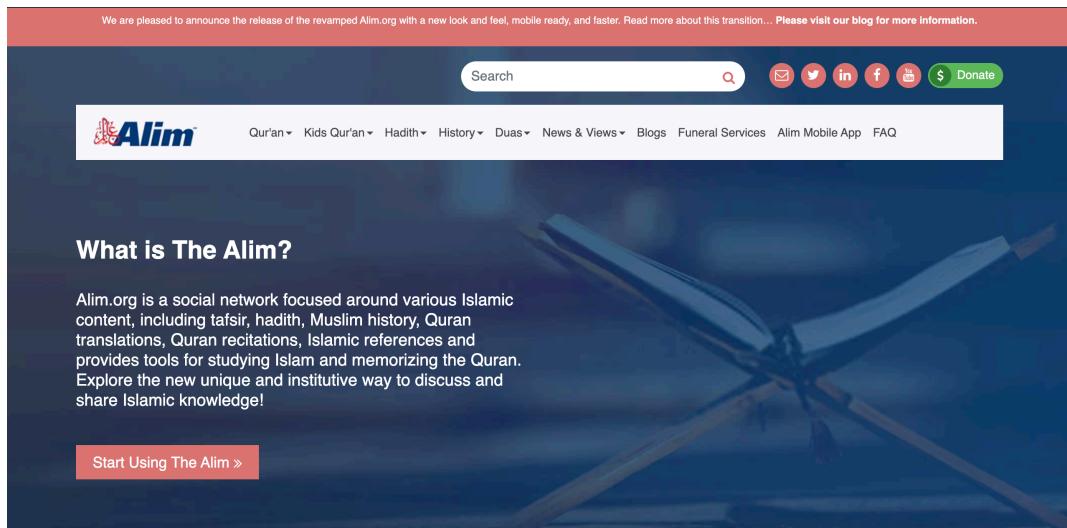


Figure 2.8:user interface of main page alim.org

Figure 2.9:user interface of Quran page alim.org

All of these website Quran.com , quranacademy.io/reader/ and englishquran.app they designed the website with a user friendly approach and also include basic feature such as Quran-Text,Quran-Translation, Audio ,Quran-Search ,and so on .Finally this project going to be integrating more Quran-Video-Tafseer and short note features to make functionally and comfortable for users.

2.2.4 Compare feature web quran in Thai language

Due to my research ,we can compare feature The Quran website using Thai language following :

| | https://www.quran-for-all.com/ | http://www.tanjaoui.ma/ | aiadk. | www.daasee.com | https://quranthai.blogspot.com/ | Quran web application for thai language |
|------------------------|---|---|--------|--|---|---|
| Quran-Text | Y | Y | Y | Y | Y | Y |
| Qura-Translati o | Y | Y | Y | Y | Y | Y |
| Audio | Y | | | | | Y |
| Select by surah | Y | | | Y | | Y |
| Select by Ayah | | | | Y | | Y |
| Quran-Search | | | | | | Y |
| Video-tafseer | | | | | | Y |
| Quran-tafseer | | | | | | Y |
| Quran-Translite ration | | | | | | Y |
| Shortnote | | | | | | Y |

Table 2.1 : Compare Feature The Al-Quran website using Thai language

2.3 TECHNOLOGY TOOLS

2.3.1 Web Server With MAMP

MAMP is an application that allows us to create a local server in a few simple steps. This allows us to run php (but also Perl or Python) and MySQL on our local computer. We will be able to run php files without the need to upload them to a remote server.

In this way we can develop our web applications locally, and then once they are tested and working upload them to the server.

The advantage over using a remote server is speed. For example, if we work locally, we will just have to save the file and reload the page to see the changes. In the case of a remote server after each modification we will have to load the file on the server before we can reload the page.



Figure 2.10 : MAMP logo

2.3.2 MVC Architecture Pattern

MVC or Model-View-Controller there are many frameworks for creating Web. But almost all are structured MVC. it separates the application into 3 main parts, known as the model (data), the view (user interface), and the controller (processes that handle input).

(TechTerms,2020) and it is an architectural pattern in programming that isolates business logic from the UI, allowing one to be modified separately from the other (also known as separation of concerns). Essentially, this makes coding in PHP faster and less complicated.

Model- is data used by a program. This may be a database, file, or a simple object, the developer does not have to deal with the SQL command. It is a data validation task that Effect with database. Handles validation (Check the accuracy), association (database relationship), transactions, and more.

Controller- The interface between the user and the program. To contact with Database with Model and Data View through View. The main part of the program.

View-Required to display through web browser. Write with the basics of HTML. Insert with PHP script. Working relationship with the controller. View is a logical representation or how to provide information from the Controller class is displayed. The example architecture pattern in figure 2.11

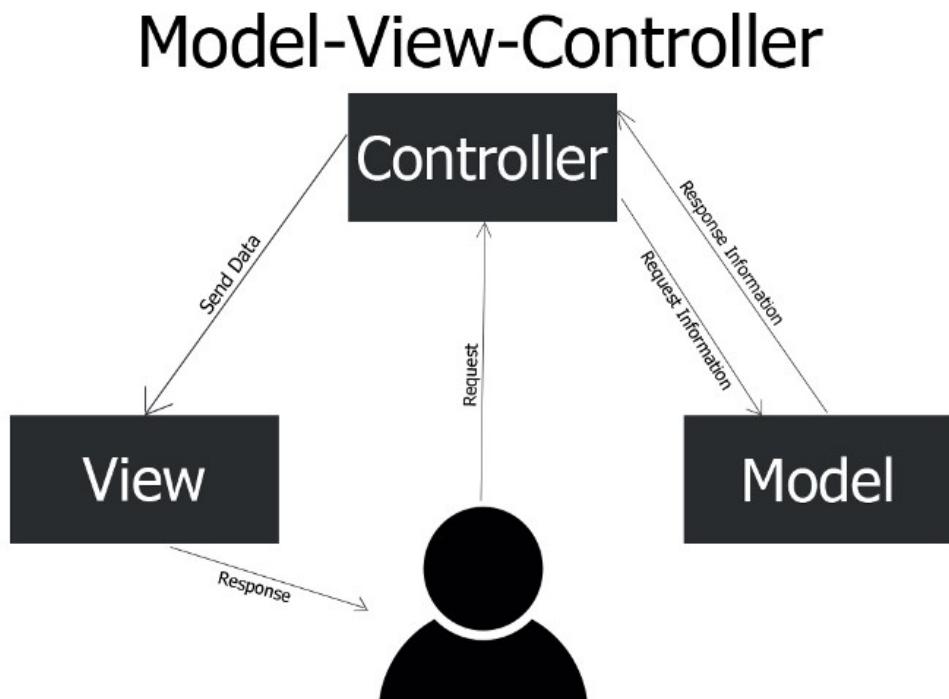


Figure 2.11 : MVC Architecture Pattern

2.3.3 PHP Frameworks

PHP frameworks streamline the development of web applications written in PHP by providing a basic structure for which to build the web applications, which saves you time, helps build more stable applications, and reduces the amount of repetitive coding for developers. Frameworks can also help beginners to build more stable apps by ensuring proper database interaction and coding on the presentation layer. (Techopedia,2017) The framework use in this project is Laravel. Laravel is a comprehensive framework designed for rapidly building applications using the MVC architecture. Laravel is currently the most popular PHP framework, with a huge community of developers. Laravel has its own advantages both for the developer as well. Laravel is an MVC based framework of PHP, it is a new generation web framework. Web frameworks make it easier to develop applications. Major applications and web sites generally use a common set of functionalities and a framework is something that prevents developer from rewriting the code each time when developer create a website or web application.

Laravel Framework is one of the best is best PHP framework to develop any kind of web application as MVC (Model Views Controller). Laravel Framework is easy to solve or modify coding . The example software in figure 2.12



Figure 2.12 : Laravel logo

2.3.4 Frontend Framework

A front-end framework is essentially a bundle of JavaScript code that someone else has written which you can include in your application to help you build it faster. It's somewhat analogous to the framework for a house—which might include instructions on how to build windows, doors, or certain rooms. The house's developer can then decide how to

take the rules the framework gave them and build the house in the manner they desire. (Nikk Wong,2017)

Bootstrap is one of framework that used to design in this project. Bootstrap is a front-end framework with a focus on providing tools for faster front-end development. Bootstrap quickly became famous in the last few years, and now it is being used in many major projects. On Live coding, we have tons of videos for you to check out on Bootstrap! They range from beginner to expert level, and always have something to show new to show. The example software in figure 2.13



Figure 2.13 : Bootstrap logo

2.3.5 Dependency Management

Dependency manager is used for managing projects and saving changes that developer makes in project. With Composer you can easily include another package (some code from another person that can be useful in your project). Also, you have a package manager, which is used for setting up system. (Ante Domjanović,2016)

Composer is a tool of PHP package manager that use in this project. Composer allows declaring the libraries the project depends on and it will manage install and update to Quran Webapplication project. Composer will manage the dependencies developers require on a project by project basis. This means that Composer will pull in all the required libraries, dependencies and manage them all in one place. The example software in figure 2.14



Figure 2.14 : Composer logo

2.3.6 JavaScript framework

A JavaScript framework is an application framework written in JavaScript. It differs from a JavaScript library in its control flow. A library offers functions to be called by its parent code, whereas a framework defines the entire application design. A developer does not call a framework; instead, the framework calls and uses the code in some particular way. Some JavaScript frameworks follow the model view controller paradigm designed to segregate a web application into orthogonal units to improve code quality and maintainability.

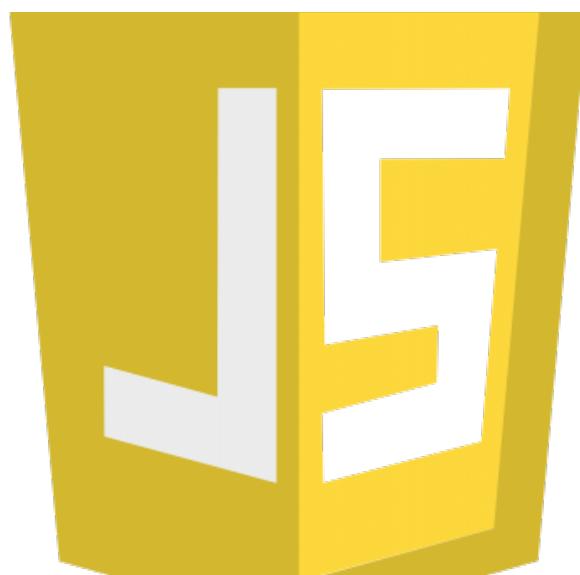


Figure 2.15 : Java Script logo

2.3.7 Version control

Version control allows you to keep track of your work and helps you to easily explore the changes you have made, be it data, coding scripts, notes, etc. With version control software such as Git, version control is much smoother and easier to implement. Using an online platform like Github to store your files means that you have an online back up of your work, which is beneficial for both you and your collaborators.

This project using GitHub ,having a GitHub repo makes it easy for you to keep track of collaborative and personal projects - all files necessary for certain analyses can be held together and people can add in their code, graphs, etc. as the projects develop. Each file on GitHub has a history, making it easy to explore the changes that occurred to it at different time points. You can review other people's code, add comments to certain lines or the overall document, and suggest changes. For collaborative projects, GitHub allows you to assign tasks to different users, making it clear who is responsible for which part of the analysis. You can also ask certain users to review your code. For personal projects, version control allows you to keep track of your work and easily navigate among the many versions of the files you create, whilst also maintaining an online backup.



Figure 2.16 : GitHub logo

CHAPTER III:

METHODOLOGY

3.1 THE RATIONAL UNIFIED PROCESS (RUP)

In the study and development of Quran Web Application For Thai Citizen This project is using the RUP (Rational Unified Process) which is an object-oriented and web development methodology. By the way, the RUP and object-oriented software process and Open process are the tools of comprehensive software engineering that combine with other components into unifying framework of development.

The RUP has determined a project life-cycle consist of four phases including the inception phase, elaboration phase, construction phase, and transition phase. which each phase involves business modeling, requirements, analysis and design, implementation, testing and deployment as shown in figure3.1

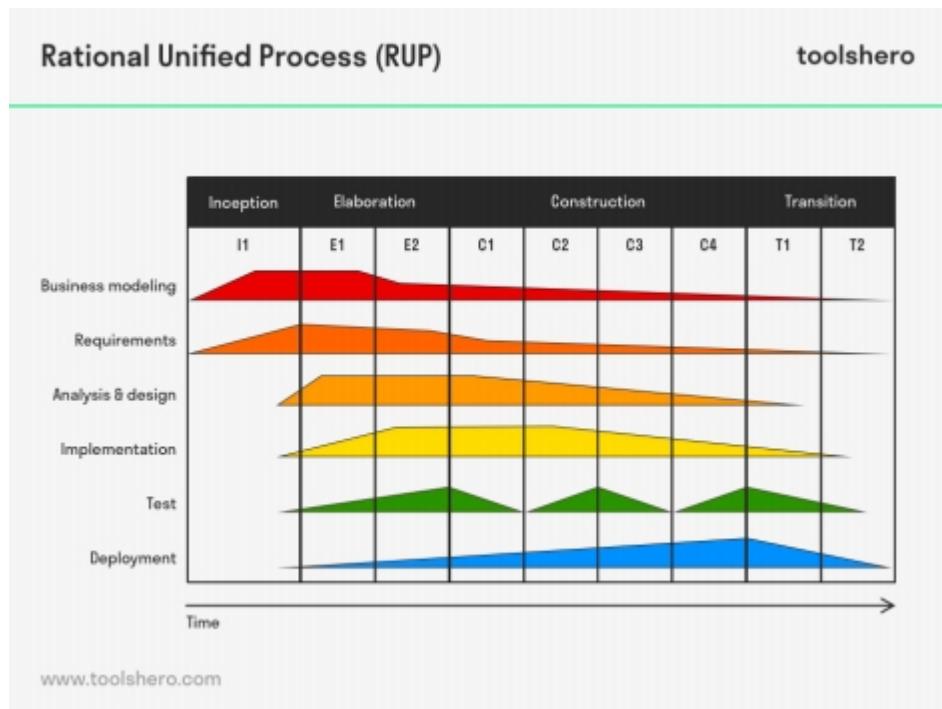


Figure 3.1: Rational Unified Process (RUP)

3.2 INCEPTION PHASE

The life-cycle objectives of the project as stated, so that the needs of every stakeholder are considered. Scope and boundary conditions, acceptance criteria and some requirements are established. In this phase, the business case is the initiation step for develop this project which the developer find direction or think the topic, what the project that developer to interest or have to develop. When developer got the project topic as The Quran web application for Thai Language. After got the this project, the developer has to think the project objective, scope and analyze the problem, risk assessment and significance of develop this project.

3.3 ELABORATION PHASE

An analysis is done to determine the risk, stability of version of what the product is to become, stability of architecture and expenditure of resources. The primary objective is trying to understand this project find the steps and tool used. To find the sample or personification about The Quran web from another website such as www.quran-for-all.com , www.daasee.com , quranthai.blogspot.com and other to analyze their function.

3.3.1 LIST OF REQUIREMENTS

M - Mandatory requirement (what the system must do)

D – Desirable requirement (what the system preferably should do)

O– Optional requirement (what the system may do)

| ID | Requirement ID | Requirement Description | Priority |
|----|----------------|------------------------------|----------|
| | REQ_01 | Register | |
| 1 | REQ_01.01 | End user can register | M |
| | REQ_02 | Log in | |
| 2 | REQ_02.01 | End user can log in | M |
| 3 | REQ_02.02 | Admin can log in | M |
| 4 | REQ_02.03 | Staff can log in | M |
| 5 | REQ_02.04 | Approval can log in | M |
| | REQ_03 | View Quran-Text | |
| 6 | REQ_03.01 | End user can View Quran-Text | M |
| 7 | REQ_03.02 | Visitor can view Quran-Text | M |

| ID | Requirement ID | Requirement Description | Priority |
|-----------|-----------------------|--|-----------------|
| | REQ_04 | Read Quran-Translation | |
| 8 | REQ_04.01 | End user can read Quran-Translation | M |
| 9 | REQ_04.02 | Visitor can read Quran-Translation | M |
| | REQ_05 | Listen Quran-Audio | |
| 10 | REQ_05.01 | End user can Listen Quran-Audio | M |
| 11 | REQ_05.02 | Visitor can Listen Quran-Audio | M |
| | REQ_06 | Learn-Quran Tafseer | |
| 12 | REQ_06.01 | End user can Learn-Quran Tafseer | M |
| 13 | REQ_06.02 | Visitor can Learn-Quran Tafseer | M |
| | REQ_07 | Watch Quran Video Tafseer | |
| 14 | REQ_07.01 | End user can Watch Quran Video Tafseer | M |
| 15 | REQ_07.02 | Visitor can Watch Quran Video Tafseer | M |
| | REQ_08 | Search by word or number | |
| 16 | REQ_08.01 | End user can Search by word or number | M |
| 17 | REQ_08.02 | Visitor can Search by word or number | M |
| | REQ_09 | Select by Sarah or ayah | |
| 18 | REQ_09.01 | End user can Select by Sarah or ayah | M |
| 19 | REQ_09.02 | Visitor can Select by Sarah or ayah | M |
| | REQ_10 | Select Mode | |
| 20 | REQ_10.01 | End user can Select Mode | O |
| 21 | REQ_10.02 | Visitor can Select Mode | O |
| | REQ_11 | Bookmark | |
| 22 | REQ_11.01 | End user can add or delete Bookmark | O |
| 23 | REQ_11.02 | Visitor can add or delete Bookmark | O |

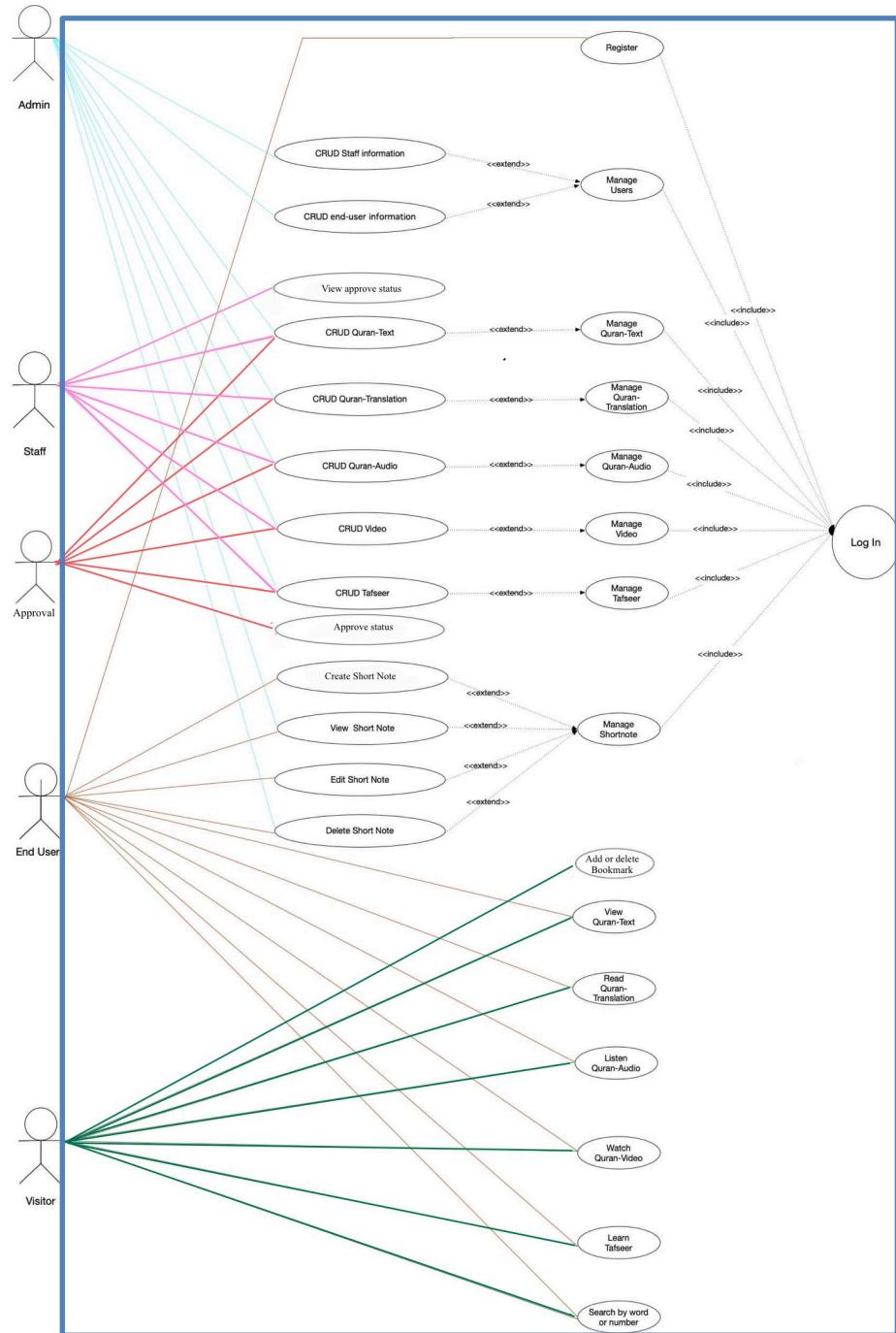
| ID | Requirement ID | Requirement Description | Priority |
|-----------|-----------------------|--|-----------------|
| | REQ_12 | Approve status | |
| 24 | REQ_12.01 | Approval can approve status | D |
| 25 | REQ_12.02 | Staff can view status of approval | D |
| | REQ_13 | Manage Quran-Transliteration | |
| 26 | REQ_13.01 | Admin can CRUD Quran-Transliteration | D |
| 27 | REQ_13.02 | Staff can CRUD Quran-Transliteration | D |
| 28 | REQ_13.03 | Approval can CRUD Quran-Transliteration | D |
| | REQ_14 | Manage Users | |
| 29 | REQ_14.01 | Admin can CRUD end-user,staff and approval | M |
| | REQ_15 | Manage Quran-Audio | |
| 30 | REQ_15.01 | Admin can CRUD Quran-Audio | D |
| 31 | REQ_15.02 | Staff can CRUD Quran-Audio | D |
| 32 | REQ_15.03 | Approval can CRUD Quran-Audio | D |
| | REQ_16 | Manage Quran-Tafseer | |
| 34 | REQ_16.01 | Admin can CRUD Quran-Tafseer | D |
| 35 | REQ_16.02 | Staff can CRUD Quran-Tafseer | D |
| 36 | REQ_16.03 | Approval can CRUD Quran-Tafseer | D |
| | REQ_17 | Manage Video - Tafseer | |
| 37 | REQ_17.01 | Admin can CRUD VideoTafseer | D |
| 38 | REQ_17.02 | Staff can can CRUD VideoTafseer | D |
| 39 | REQ_17.03 | Approval can can CRUD VideoTafseer | D |
| | REQ_18 | Manage Short Note | |
| 40 | REQ_18.01 | End user can CRUD short note | M |
| 41 | REQ_18.02 | Admin can view short note | M |
| | REQ_19 | Manage Users | |
| 42 | REQ_19.01 | Admin can CRUD end-user,staff and approval | M |

Table 3.1 : list of requirement

3.3.2 USE CASE DIAGRAM

Use cases are a technique for capturing the functional requirements of a system. Use cases work by describing the typical interactions between the users of a system and the system itself, providing a narrative of how a system is used.

According to figure 3.2describes about use case of users who relate with this system and capable manage The Quran web application. Truly there are four actor including Admin, Staff, End Users and Visitor.



3.2 Use Case Diagram of system

3.3.3 USE CASE SPECIFICATION

A requirement specification is a documented requirement, or set of documented requirements, to be satisfied by a given material, design, product, service, etc. It is a common early part of engineering design and product development processes, in many fields.

USE CASE : Register (REQ_01)

| | |
|-------------------------------|--|
| Brief description | This use case will be used to allow the end-users registration to the system. |
| Preconditions | The end-users must have username and password to access in the system. |
| Characteristic of Activations | The execution depends on the user's demand. |
| Flow of events | <ul style="list-style-type: none"> • The users key-in their username , password , email and more information about user on the registration page. • The users press the login button. [A-1: cancel] • The system will validate username and password. [E-1: Invalid username and password] • The system will allow the users enter the system. |
| Alternative flow | A-1: cancel The system will cancel the login button. |
| Exception Flow | E-1: Invalid username and password |
| Limitation | The password must be at least 8 characteristics. |

USE CASE : Log in (REQ_02)

| | |
|-------------------------------|--|
| Brief description | This use case will be used to allow users (Admin , Staff and End-Users) enter to the system. |
| Preconditions | The users (Admin, Staff, and End-Users) must have username and password to access in the system. |
| Characteristic of Activations | The execution depends on the user's demand. |
| Flow of events | <ul style="list-style-type: none"> -The users key-in their username and password on the login page. -The users press the login button. [A-1: cancel] -The system will validate username and password. [E-1: -Invalid username and password] -The system will allow the users enter the system. |
| Alternative flow | A-1: cancel The system will cancel the login button. |
| Exception Flow | E-1: Invalid username and password |
| Limitation | <p>The system will display error message to re-enter the username and password.</p> <p>The password must be at least 8 characteristics.</p> |

USE CASE : View Quran-TextREQ_03)

| | |
|-------------------------------|--|
| Brief description | This use case will be used to allow visitor and end-users to view Quran-Text. |
| Preconditions | The visitor and end-users must enter to main page. |
| Characteristic of Activations | The execution depends on visitor and end-users's demand. |
| Flow of events | <ul style="list-style-type: none"> -Visitor and end-users select Surah' name. -The web page show Quran main page and display Quran-Text. |
| Alternative flow | -Visitor and end-users press select Surah. |
| Exception Flow | The visitor and end-users can readQuran-Text. |
| Limitation | No limitation. |

USE CASE : Read Quran-Translation(REQ_04)

| | |
|-------------------------------|---|
| Brief description | This use case will be used to allow visitor and end-users to read Quran-Translation. |
| Preconditions | The visitor and end-users must enter to main page. |
| Characteristic of Activations | The execution depends on visitor and end-users's demand. |
| Flow of events | -Visitor and end-users select Surah' name. -The web page show Quran main page and display Quran-Translation. |
| Alternative flow | -Visitor and end-users press select Surah. |
| Exception Flow | The visitor and end-users can read Quran-Translation. |
| Limitation | No limitation. |

USE CASE : Listen Quran-Audio(REQ_05)

| | |
|-------------------------------|---|
| Brief description | This use case will be used to allow visitor and end-users to listen Quran-Audio. |
| Preconditions | The visitor and end-users must enter to main page. |
| Characteristic of Activations | The execution depends on visitor and end-users's demand. |
| Flow of events | -Visitor and end-users select Surah' name. -The web page show Quran main page and visitor and end-users can press button play to listen Quran-Audio. |
| Alternative flow | -Visitor and end-users press stop playing audio. |
| Exception Flow | The visitor and end-users can Listen Quran-Audio. |
| Limitation | No limitation. |

USE CASE : Learn Quran-Tafseer(REQ_06)

| | |
|-------------------------------|---|
| Brief description | This use case will be used to allow visitor and end-users to learn Quran-Tafseer. |
| Preconditions | The visitor and end-users must enter to main page. |
| Characteristic of Activations | The execution depends on visitor and end-users's demand. |
| Flow of events | -Visitor and end-users select Surah' name. -The web page show Quran main page and visitor and end-users can press on Tafseer button and system will display Quran-Tafseer. |
| Alternative flow | -Visitor and end-users press hide Quran-Tafseer. |
| Exception Flow | visitor and end-users can learn Quran-Tafseer. |
| Limitation | No limitation |

USE CASE : Watch Quran-Video Tafseer(REQ_07)

| | |
|-------------------------------|---|
| Brief description | This use case will be used to allow visitor and end-users to watch Quran-Video. |
| Preconditions | The visitor and end-users must enter to main page. |
| Characteristic of Activations | The execution depends on visitor and end-users's demand. |
| Flow of events | -Visitor and end-users select Surah' name. -The web page show Quran main page and visitor and end-users can press on Video-Tafseer button and system will display Video-Tafseer. |
| Alternative flow | -Visitor and end-users press stop playing Quran-Video. |
| Exception Flow | The visitor and end-users can watch Quran-Video. |
| Limitation | No limitation. |

USE CASE : Search by word or number(REQ_08)

| | |
|-------------------------------|--|
| Brief description | This use case will be used to allow visitor and end-users to search by word or number. |
| Preconditions | The visitor and end-users must enter to main page. |
| Characteristic of Activations | The execution depends on visitor and end-users's demand. |
| Flow of events | <ul style="list-style-type: none"> -Visitor and end-users select Surah' name. -The web page show Quran main page and visitor and end-users can see search button. -Visitor and end-users can type work or number to search. -The system will display the result of search. |
| Alternative flow | -Visitor and end-users cancel type search. |
| Exception Flow | The visitor and end-users can search by word or number. |
| Limitation | No limitation. |

USE CASE : Select by Surah or Ayah(REQ_09)

| | |
|-------------------------------|---|
| Brief description | This use case will be used to allow visitor and end-users to select by Surah or Ayah. |
| Preconditions | The visitor and end-users must enter to main page. |
| Characteristic of Activations | The execution depends on visitor and end-users's demand. |
| Flow of events | <ul style="list-style-type: none"> -Visitor and end-users select Surah' name. -The web page show Quran main page and visitor and end-users can press on select navigation to select Surah or Ayah. -The system will display Surah or Ayah depends on visitor and end-users selected. |
| Alternative flow | -Visitor and end-users cancel selected. |
| Exception Flow | The visitor and end-users can select by Surah or Ayah. |
| Limitation | No limitation. |

3.3.4 Entity Relationship Diagram (ERD)

An entity relationship diagram (ERD), also known as an entity relationship model, is a graphical representation that depicts relationships among people, objects, places, concepts or events within an information technology (IT) system. An ERD uses data modeling techniques that can help define business processes and serve as the foundation for a relational database.

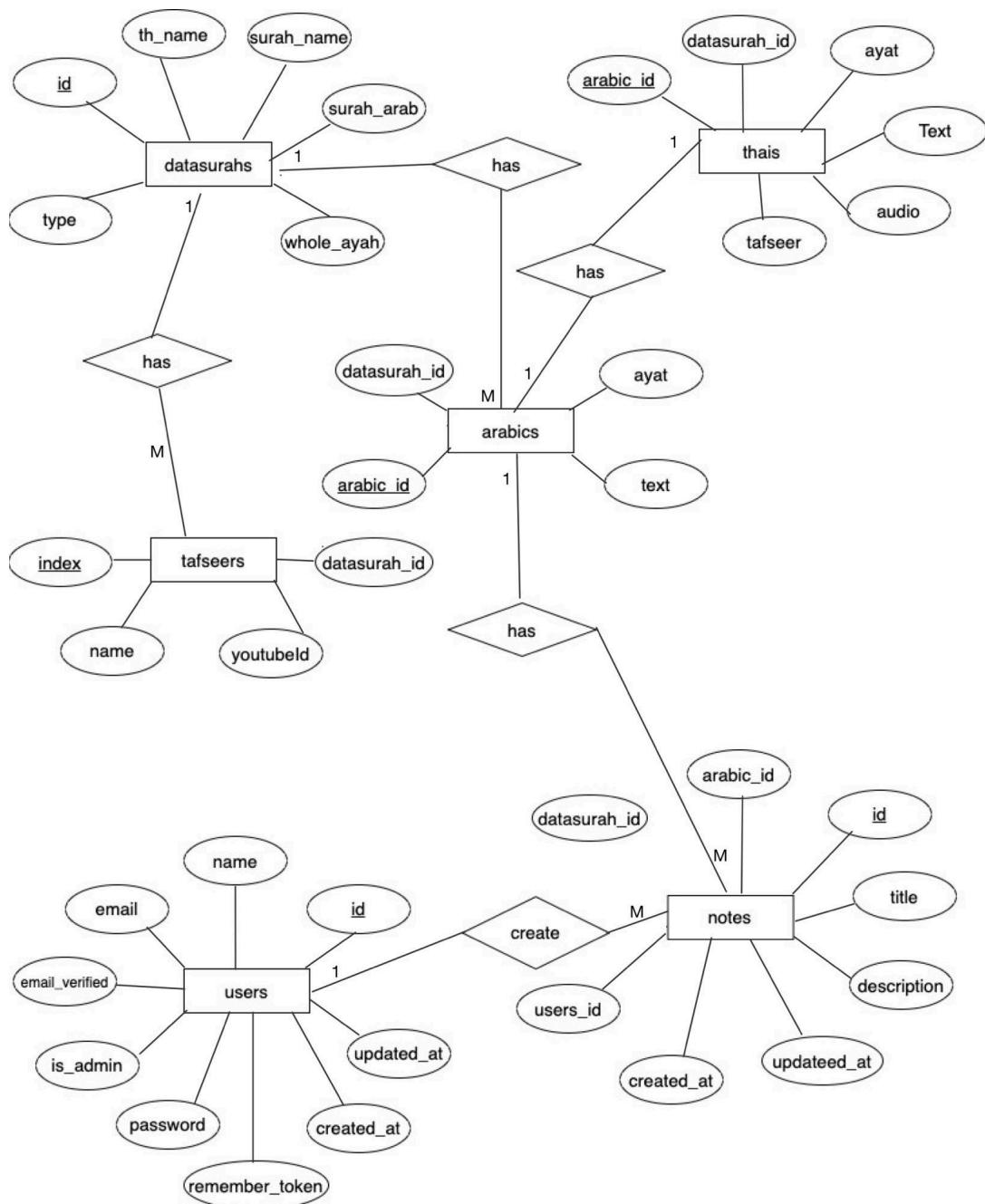


Figure 3.3 ER diagram of The Quran Web application in Thai Language

3.3.4.1 FILE STRUCTURE

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|------------|-------------|--------------------|------------|------|---------|----------|----------------|
| 1 | id | int(11) | | | No | None | | AUTO_INCREMENT |
| 2 | th_name | varchar(50) | utf8mb4_unicode_ci | | No | None | | |
| 3 | surah_name | varchar(50) | utf8mb4_unicode_ci | | No | None | | |
| 4 | surah_arab | varchar(50) | utf8mb4_unicode_ci | | No | None | | |
| 5 | whole_ayah | int(11) | | | No | None | | |
| 6 | Type | varchar(50) | utf8mb4_unicode_ci | | No | None | | |

Table 3.2: Table structure of datasurahs table

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|--------------|---------------|--------------------|------------|------|---------|----------|----------------|
| 1 | arabic_id | int(11) | | | No | None | | AUTO_INCREMENT |
| 2 | datasurah_id | int(11) | | | No | 0 | | |
| 3 | ayat | int(11) | | | No | 0 | | |
| 4 | Text | varchar(1900) | utf8mb4_unicode_ci | | No | None | | |
| 5 | audio | varchar(191) | utf8mb4_unicode_ci | | No | None | | |
| 6 | tafsir | varchar(1500) | utf8mb4_unicode_ci | | No | None | | |

Table 3.3: Table structure of thais table

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|-------------------|--------------|--------------------|------------|------|---------|----------|----------------|
| 1 | id | bigint(20) | | UNSIGNED | No | None | | AUTO_INCREMENT |
| 2 | name | varchar(191) | utf8mb4_unicode_ci | | No | None | | |
| 3 | email | varchar(191) | utf8mb4_unicode_ci | | No | None | | |
| 4 | email_verified_at | timestamp | | | Yes | NULL | | |
| 5 | is_admin | tinyint(1) | | | Yes | NULL | | |
| 6 | password | varchar(191) | utf8mb4_unicode_ci | | No | None | | |
| 7 | remember_token | varchar(100) | utf8mb4_unicode_ci | | Yes | NULL | | |
| 8 | created_at | timestamp | | | Yes | NULL | | |

Table 3.4: Table structure of users table

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|--------------|---------------|--------------------|------------|------|---------|----------|----------------|
| 1 | arabic_id | int(11) | | | No | None | | AUTO_INCREMENT |
| 2 | datasurah_id | int(11) | | | No | None | | |
| 3 | ayat | int(11) | | | No | None | | |
| 4 | text | varchar(1900) | utf8mb4_unicode_ci | | No | None | | |

Table 3.5: Table structure of arabsics table

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|--------------|--------------|--------------------|------------|------|---------|----------|----------------|
| 1 | id | bigint(20) | | UNSIGNED | No | None | | AUTO_INCREMENT |
| 2 | title | varchar(191) | utf8mb4_unicode_ci | | No | None | | |
| 3 | description | text | utf8mb4_unicode_ci | | No | None | | |
| 4 | created_at | timestamp | | | Yes | NULL | | |
| 5 | updated_at | timestamp | | | Yes | NULL | | |
| 6 | datasurah_id | int(3) | | | No | None | | |
| 7 | arabic_id | int(3) | | | No | None | | |
| 8 | users_id | int(3) | | | No | None | | |

Table 3.6: Table structure of notes table

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|--------------|--------------|--------------------|------------|------|---------|----------|----------------|
| 1 | Index | int(11) | | | No | None | | AUTO_INCREMENT |
| 2 | name | varchar(150) | utf8mb4_unicode_ci | | No | None | | |
| 3 | youtubeId | varchar(11) | utf8mb4_unicode_ci | | No | None | | |
| 4 | datasurah_id | int(11) | | | No | None | | |

Table 3.7: Table structure of tafseers table

3.3.5 Design Users Wire Frame

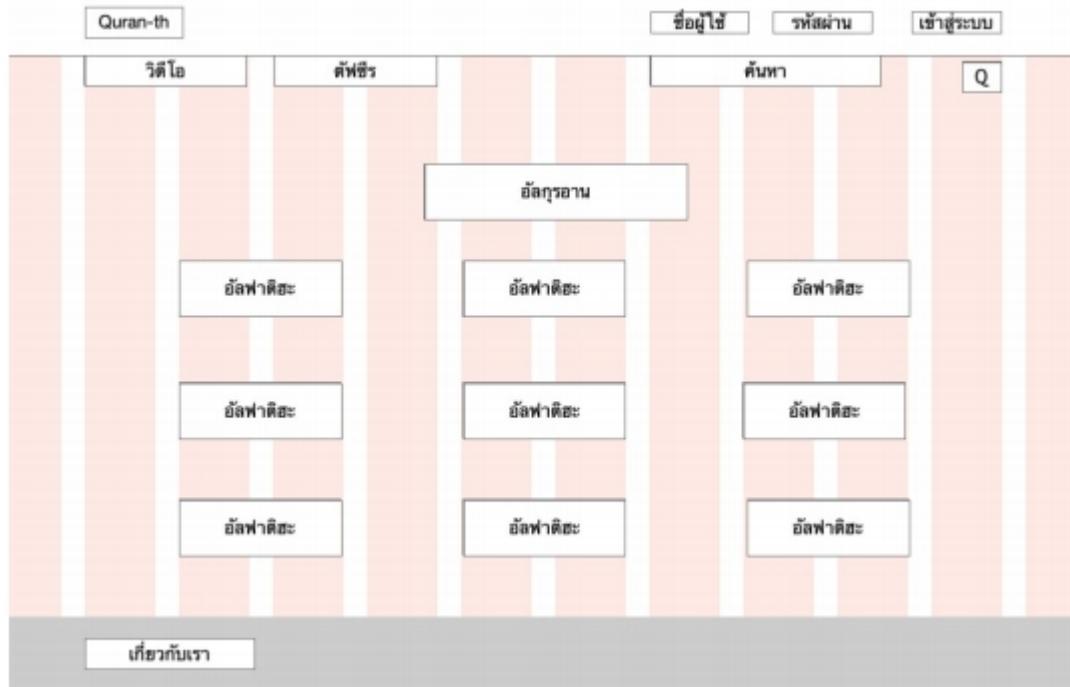


Figure 3.3 Home page

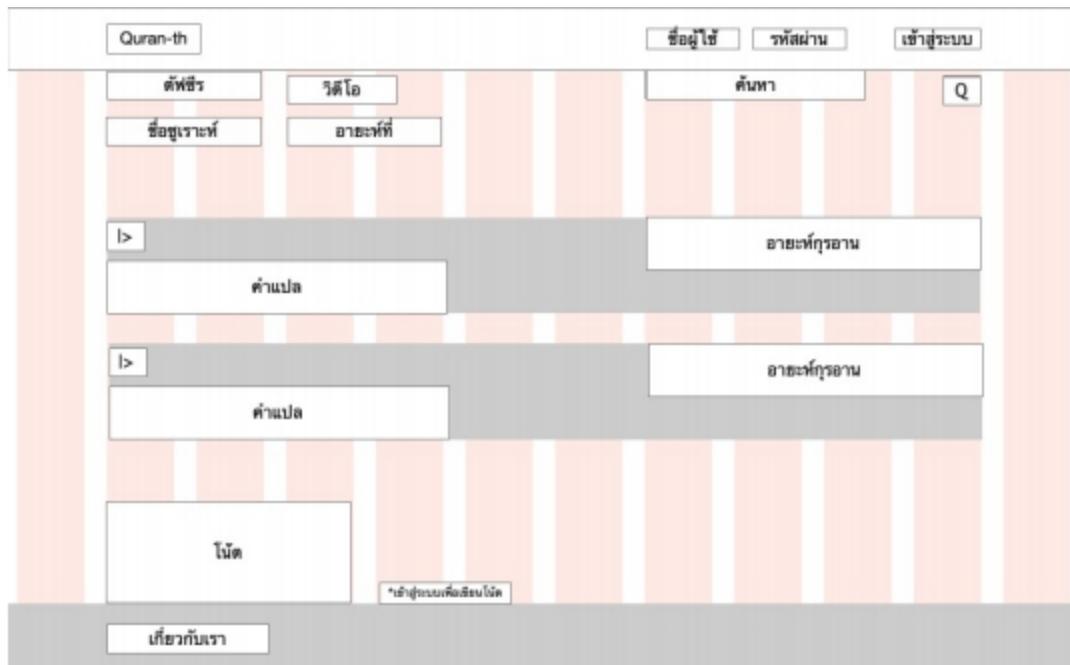


Figure 3.4 Main Page

Quran-th

| สมัครสมาชิก Quran-th | | | |
|----------------------|--------|-------|----|
| ชื่อ | | | |
| นามสกุล | | | |
| วันเกิด | วันที่ | เดือน | ปี |
| เพศ | ชาย | หญิง | |
| อีเมลล์ | | | |
| รหัสผ่าน | | | |
| ยืนยันรหัสผ่าน | | | |
| ลงทะเบียน | | | |

Figure 3.5 Register Page

Quran-th

| |
|-------------|
| ชื่อผู้ใช้ |
| รหัสผ่าน |
| เข้าสู่ระบบ |

Figure 3.6 Log-in Page

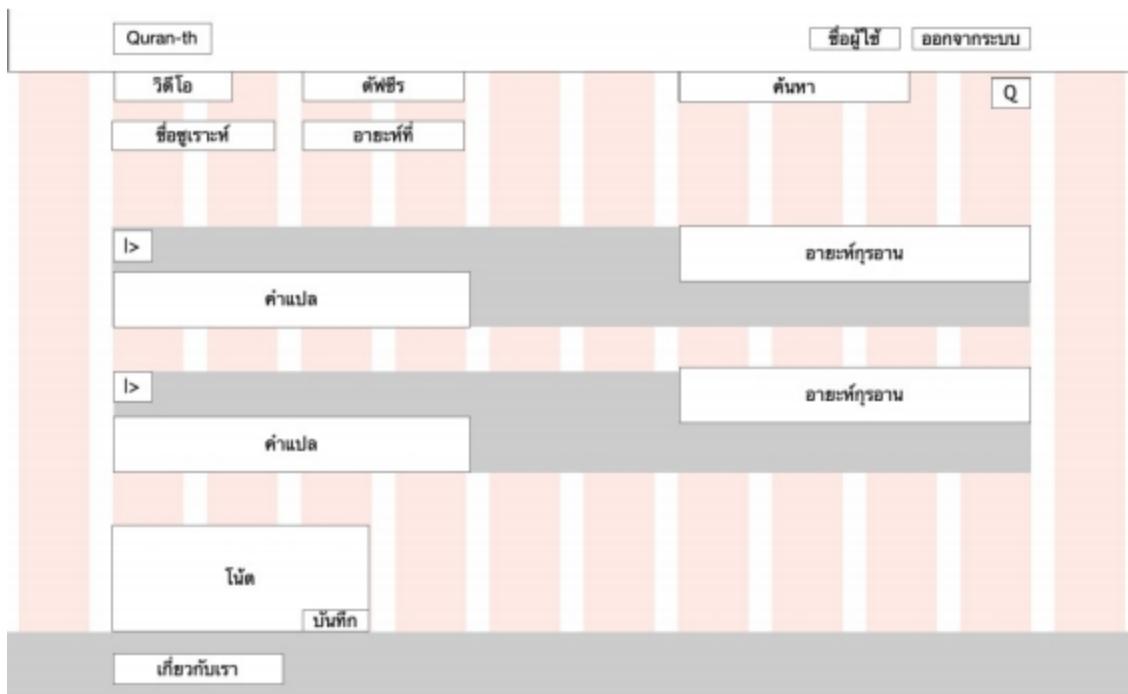


Figure 3.7 Main User's page

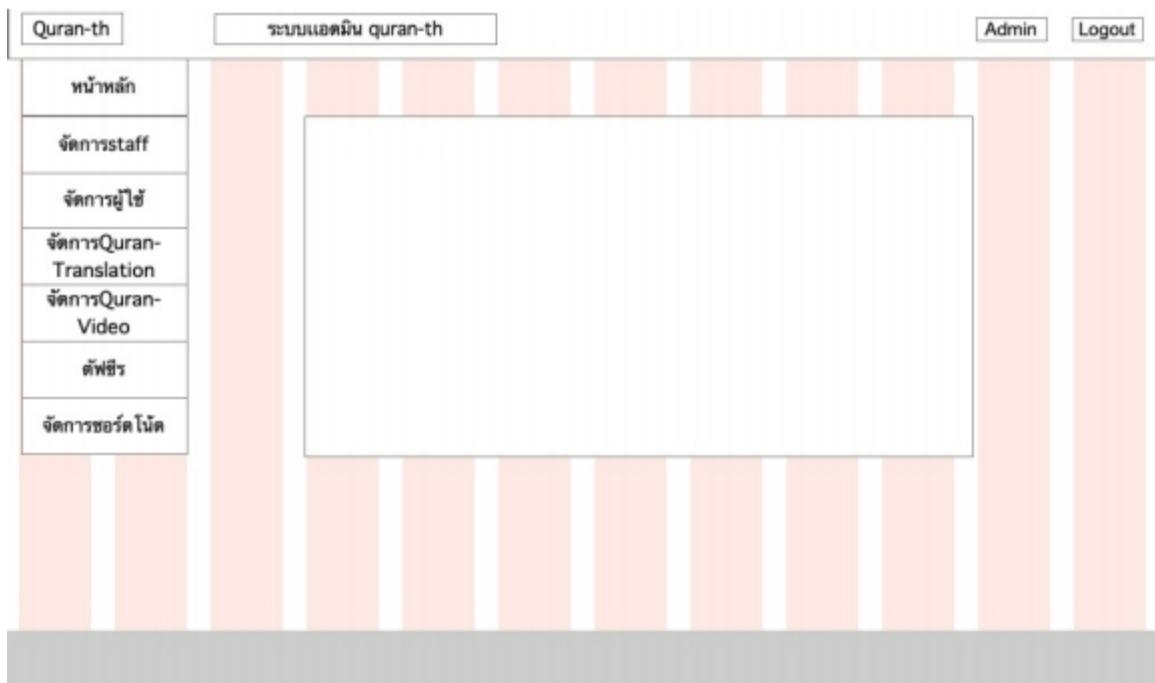


Figure 3.8 Admin's page

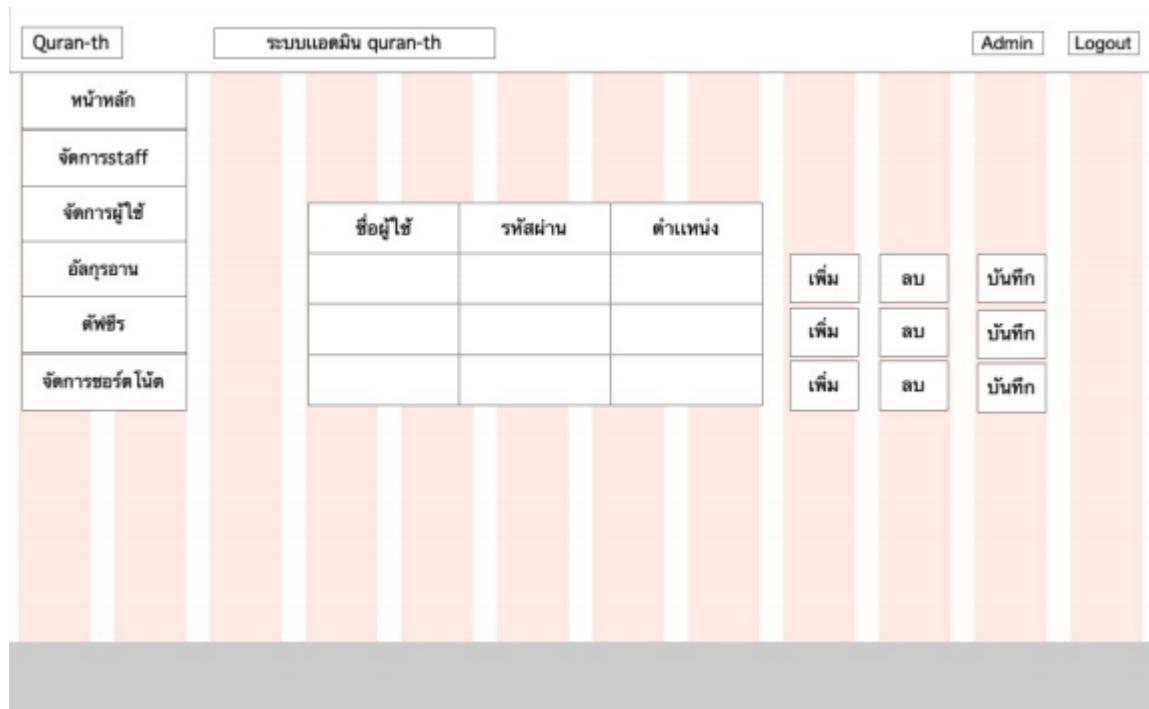


Figure 3.9 Manage staff page

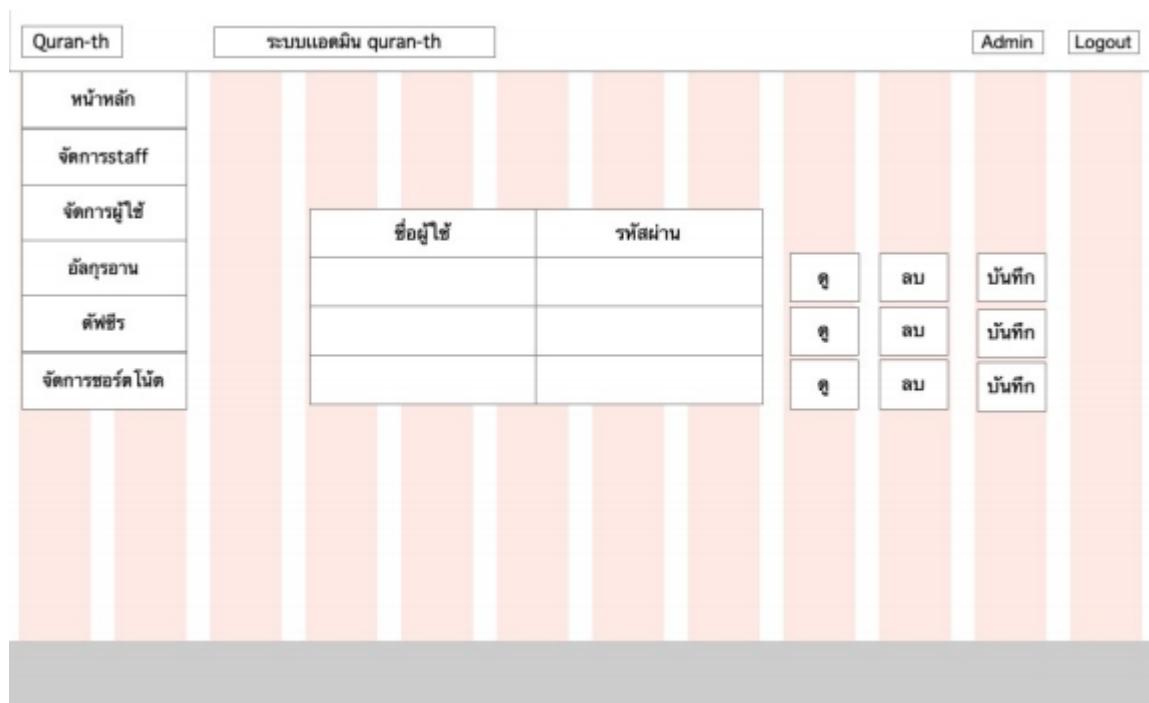


Figure 3.10 Manage Quran-Translation page



Figure 3.11 Manage Quran-Translation page

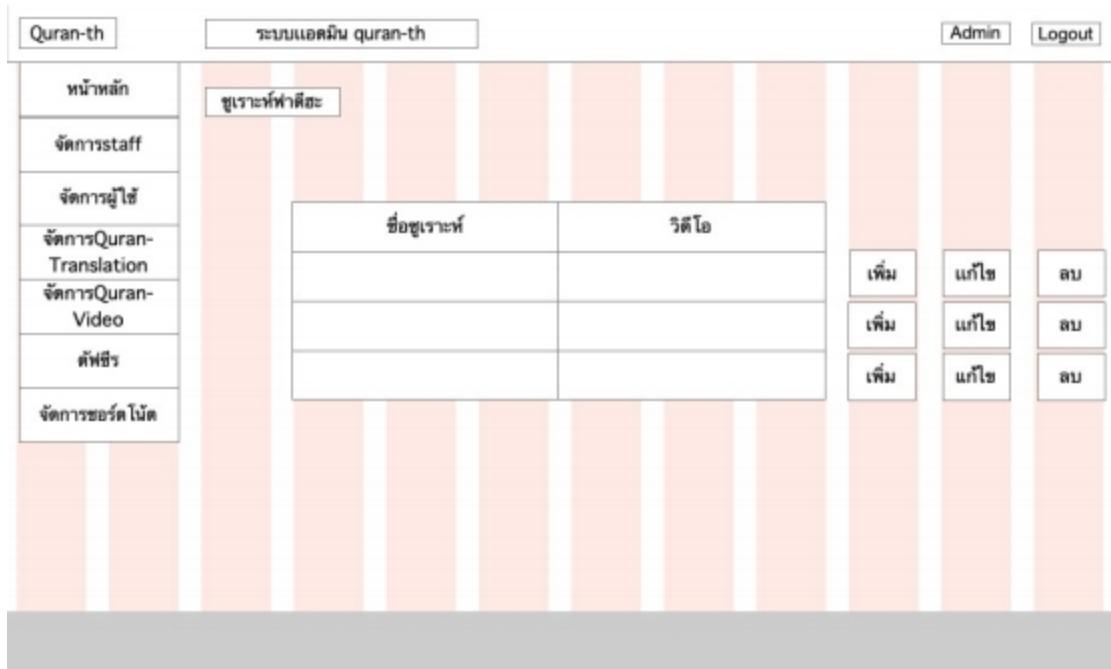


Figure 3.12 Manage Quran-Video

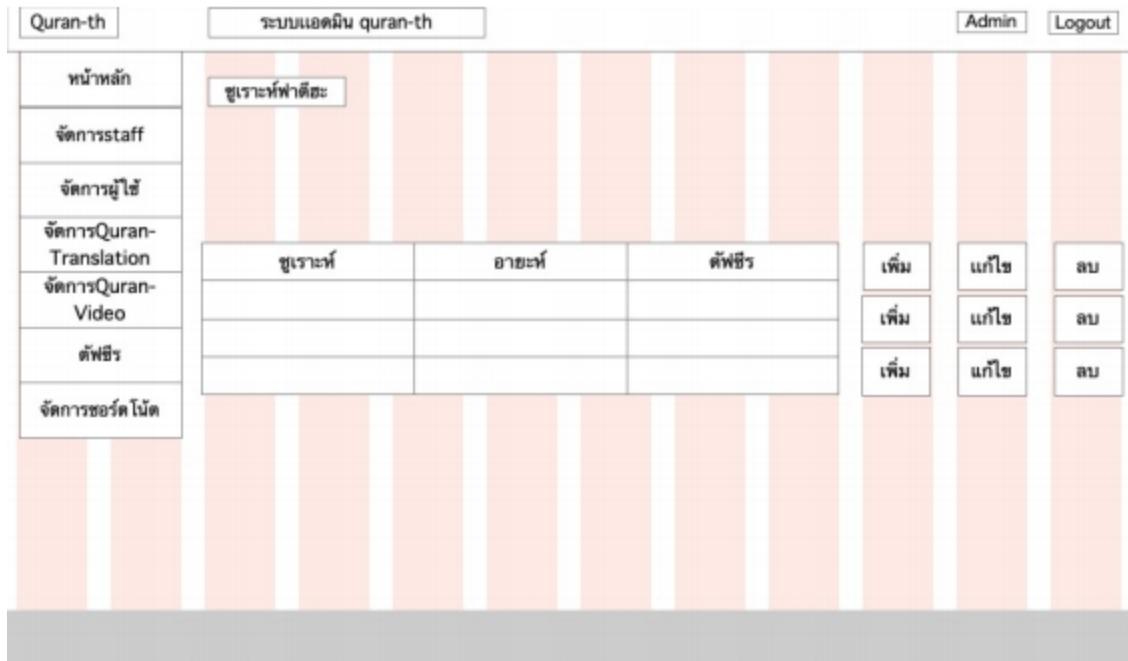


Figure 3.13 Manage Tafseer



Figure 3.14 Manage ShortNote page



Figure 3.15 Staff's page

This screenshot shows a more detailed view of the system. The header "ระบบ staff Quran-th" is present. The sidebar menu on the left includes "หน้าหลัก", "จัดการ Quran-Translation", "จัดการ Quran-Video", and "ตั้งค่า". In the center, there is a table with two columns: "อักษร" (Character) and "คำแปล" (Translation). To the right of the table, there are three rows of buttons labeled "เพิ่ม" (Add), "แก้ไข" (Edit), and "ลบ" (Delete). The first row contains "เพิ่ม", "แก้ไข", and "ลบ". The second row contains "เพิ่ม", "แก้ไข", and "ลบ". The third row contains "เพิ่ม", "แก้ไข", and "ลบ". The entire page has a light orange background color.

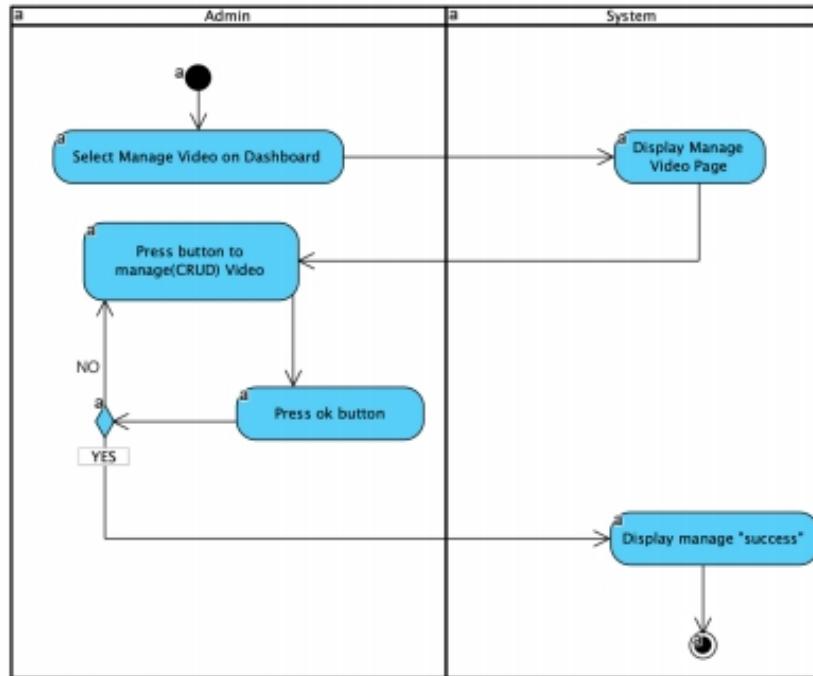
Figure 3.16 Manage Quran-Translation page

Figure 3.17 Manage Quran-Video page

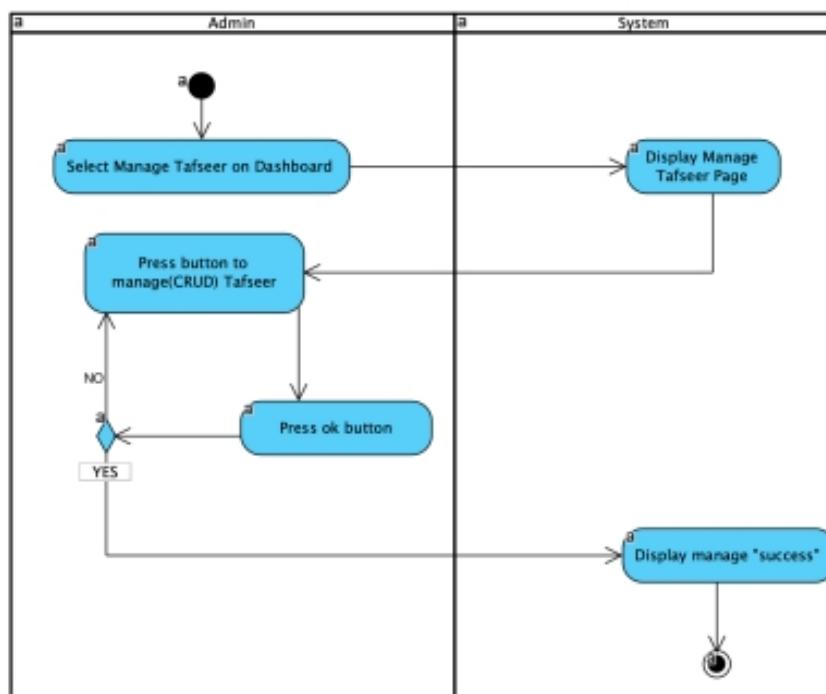
Figure 3.18 Manage Quran-Tafseer page

3.3.6 ACTIVITY DIAGRAM

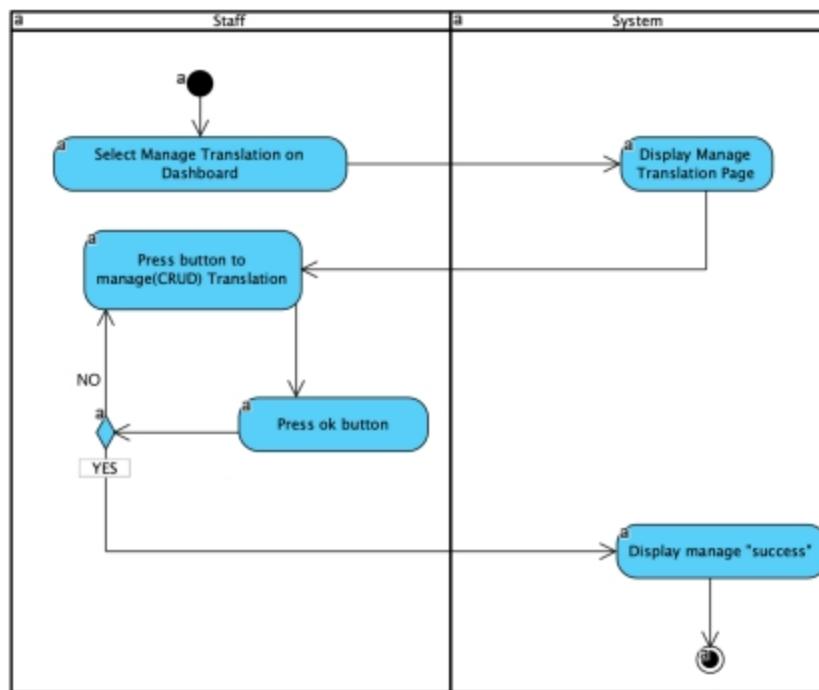
Activity diagrams are a technique to describe procedural logic, business process, and work flow. In many ways, they play a role similar to flowcharts, but the principal difference between them and flowchart notation is that they support parallel behavior.



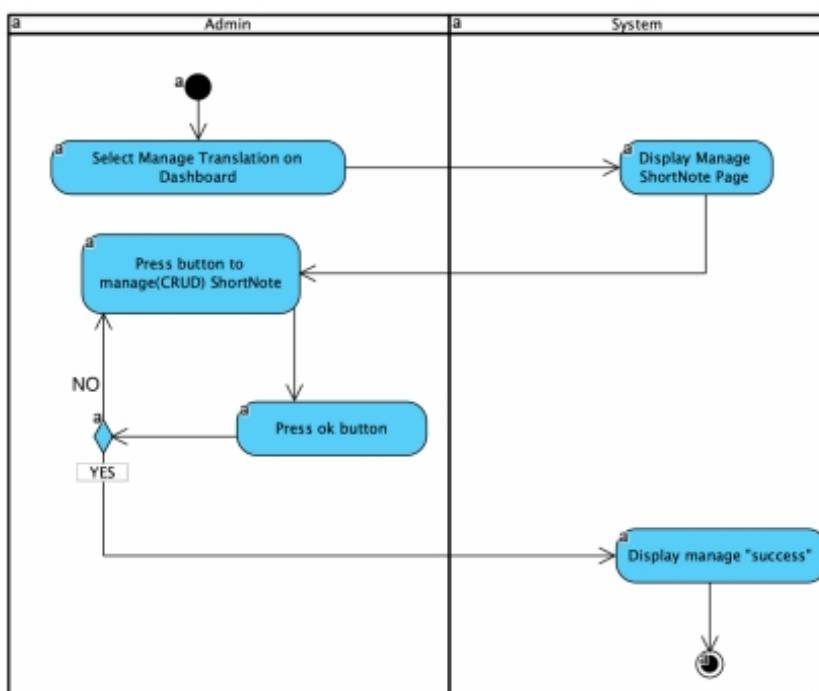
3.19 Activity diagram of Admin manage Quran-Video-Tafseer



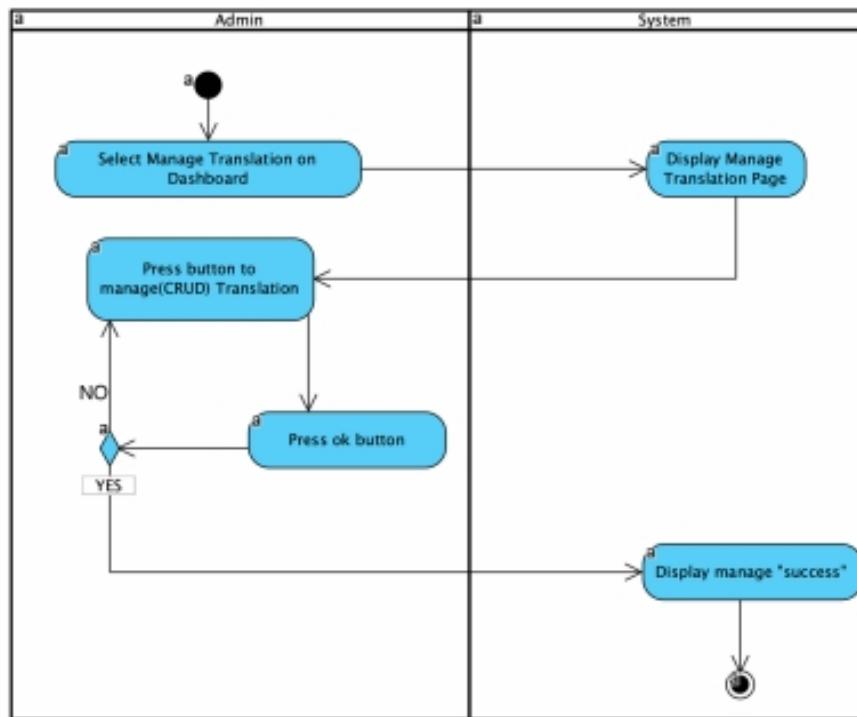
3.20 Activity diagram of Admin manage Quran-Tafseer



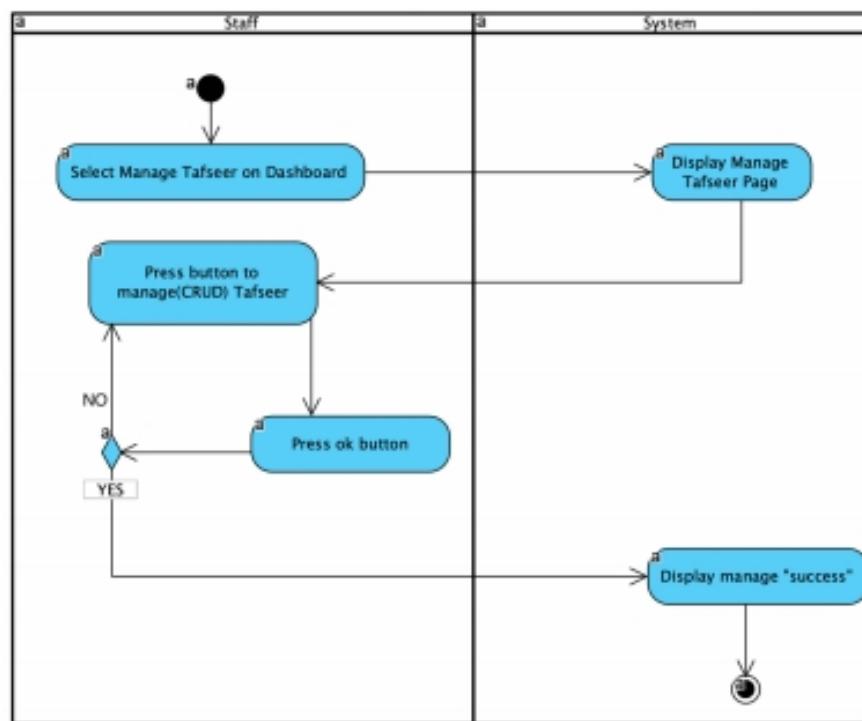
3.21 Activity diagram of Admin manage Translation



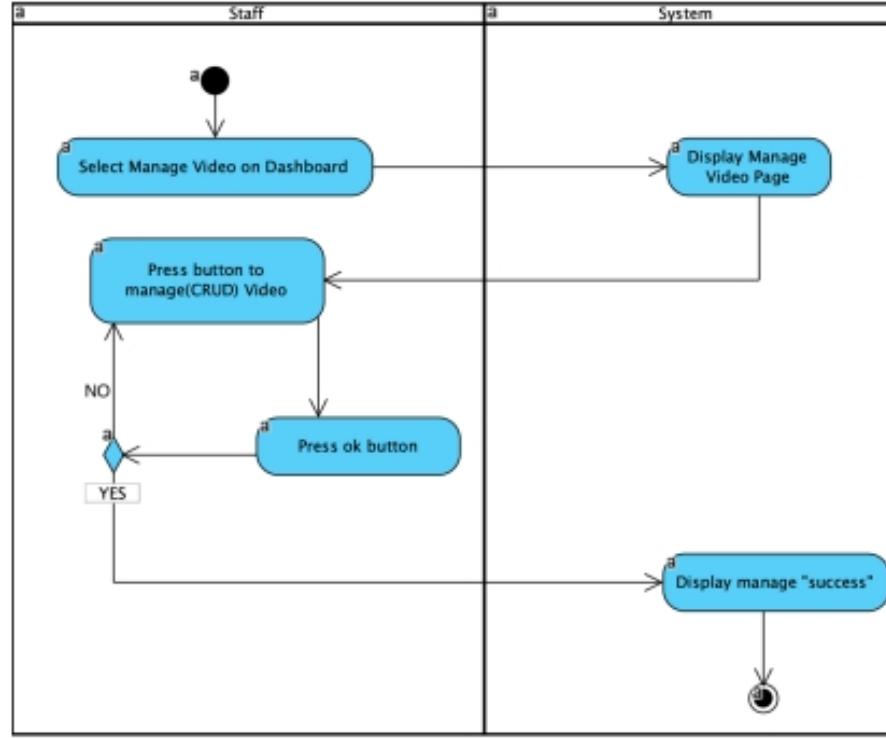
3.22 Activity diagram of Admin manage short note



3.23 Activity diagram of staff manage translation



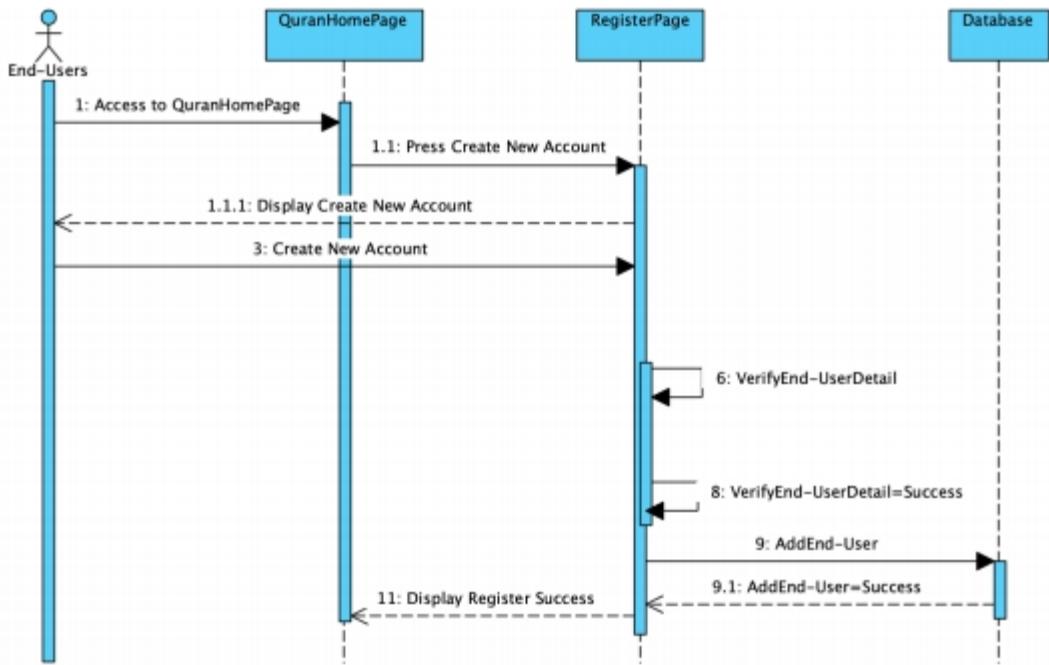
3.24 Activity diagram of staff manage Tafseer



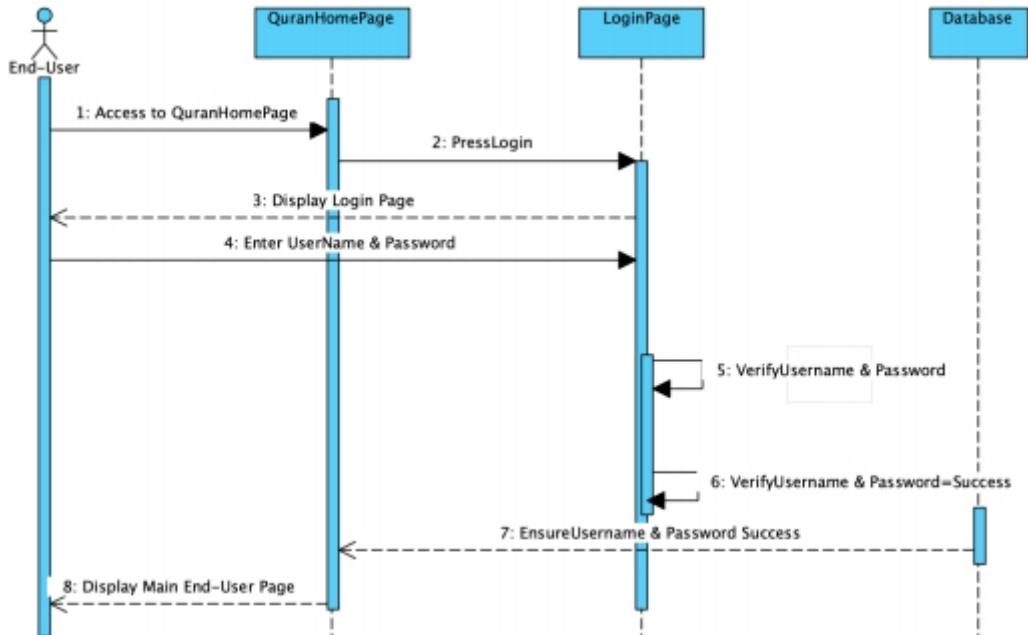
3.25 Activity diagram of Staff manage video

3.3.7 SEQUENCE DIAGRAM

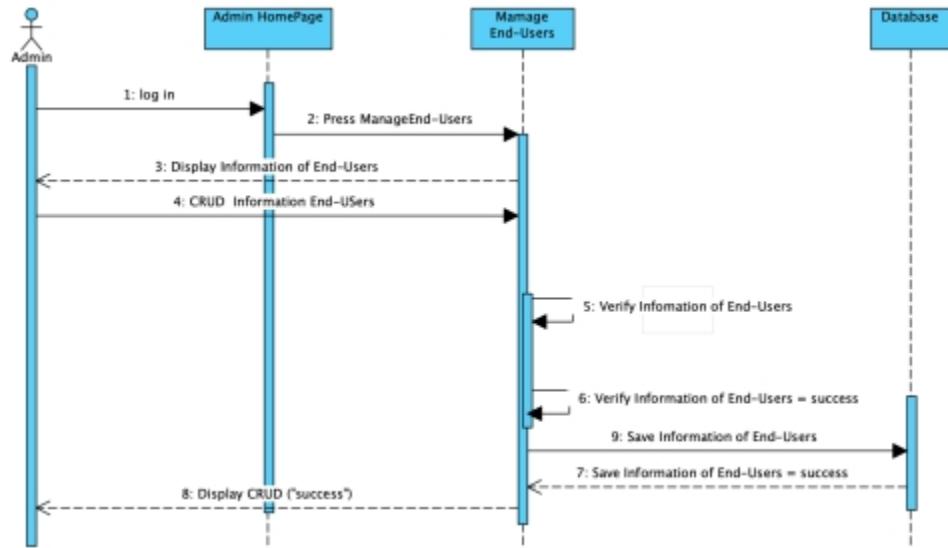
Sequence diagram of massive open online course is interaction diagrams describe how groups of objects collaborate in some behavior. The UML defines several forms of interaction diagram. Developer use sequence diagrams when developer wants to look at the behavior of several objects within a single use case. Sequence diagrams are good at showing collaborations among the objects. The useful forms of interaction diagrams are communication diagrams, for showing connections and timing diagrams for showing timing constraints. are good at showing collaborations among the objects.



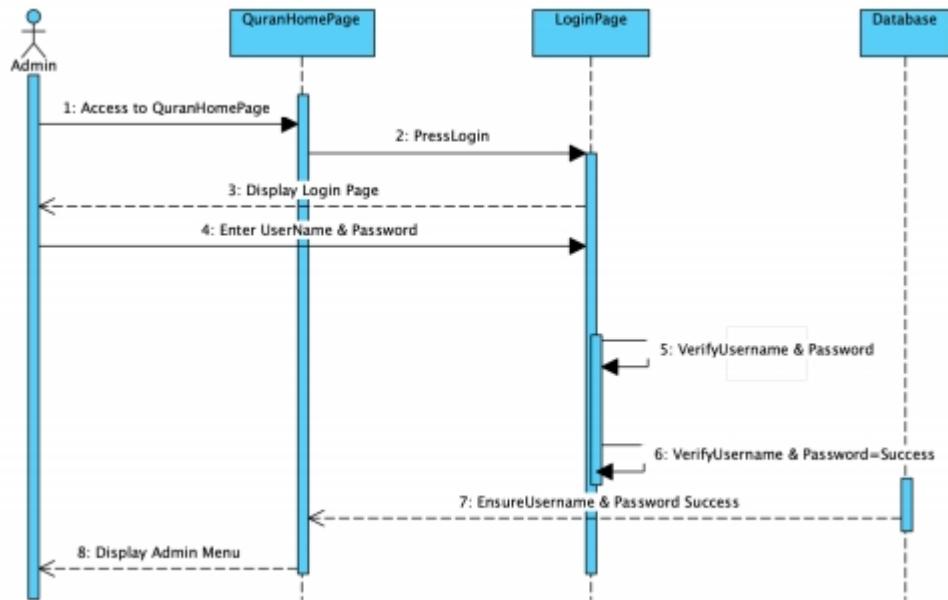
3.26 Sequence diagram of End-Users register



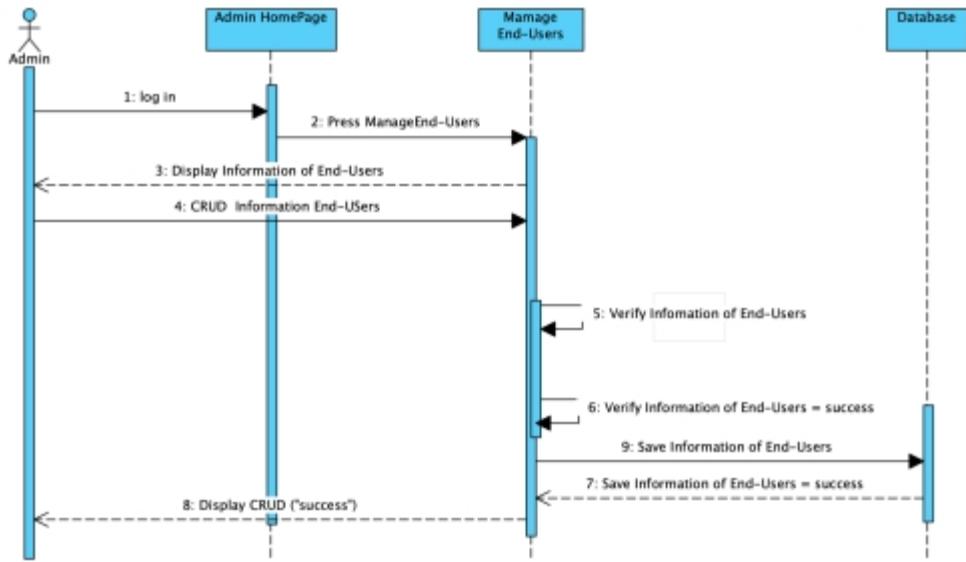
3.27 Sequence diagram of End-Users login



3.28 Sequence diagram of Admin login



3.29 Sequence diagram of Admin manage End-Users



3.30 Sequence diagram of Admin manage staff

3.4 CONSTRUCTION PHASE

The construction phase is manufacturing process. It emphasizes managing resources and controlling operations to optimize costs, schedule and quality. This phase is broken into several interactions. In this phase is coding this project, the main focus is on the development of components and other features of the system. This is the phase when the bulk of the coding takes place.

3.5 TRANSITION PHASE

The primary objective is carrying the Quran web-application from development into testing, solving and feedback, to make it can use and understood by the user. The web base goes through a testing, solving and feedback and also checked against the quality by developer.

CHAPTER IV :

IMPLEMENTATION

This chapter discusses the processing of The Quran Web application For Thai Language in a part of implementation. It is consisting of developing, testing and maintenance. The development of the process carried into requirements and designs on chapter three. Developer got a few issues after tried the testing that might have some change and suggestion will be explained in this chapter.

4.1 DEVELOPMENT

4.1.1 User interface

First step to develop is designing user interface. The user interface has elements that are easy to access, understand, and friendly to user. Developer have designed by draft and design in wireframe. The figures below are showed the real user interface of the system that have developed.

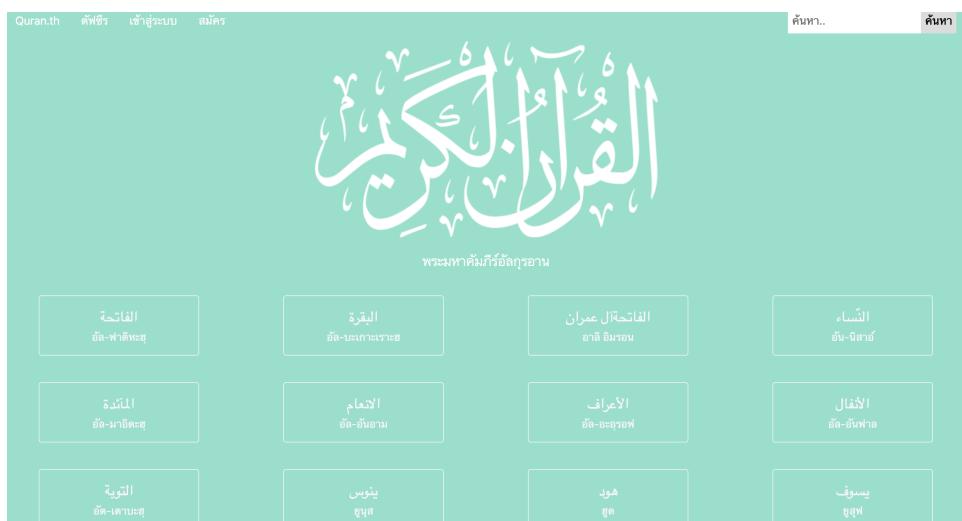


Figure 4.1:home page

This page will shows all Surah list in The Quran. Visitors can choose Surah .After that it's will lead to the next page and display the detail of Quran such as Quran-Text ,Quran-Translation,Quran-Video and Quran-Tafseer.



Figure 4.2:detail page

After visitor choose Surah in home page. It will lead to detail page. This page will display Quran-Text ,Quran-Translation,Quran-Audio ,Quran-Tafseer-Video and Quran-Tafseer.

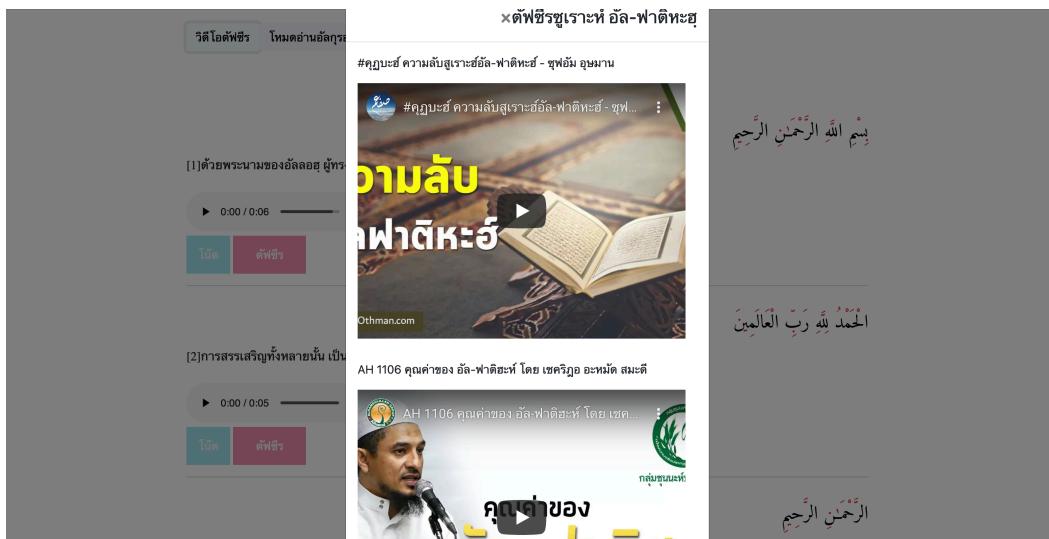


Figure 4.3:Video-Tafseer in detail page

Visitors can selected Quran-Video-Tafseer in detail page to view Quran-Video-Tafseer and press play or stop to watch Quran-Video-Tafseer.

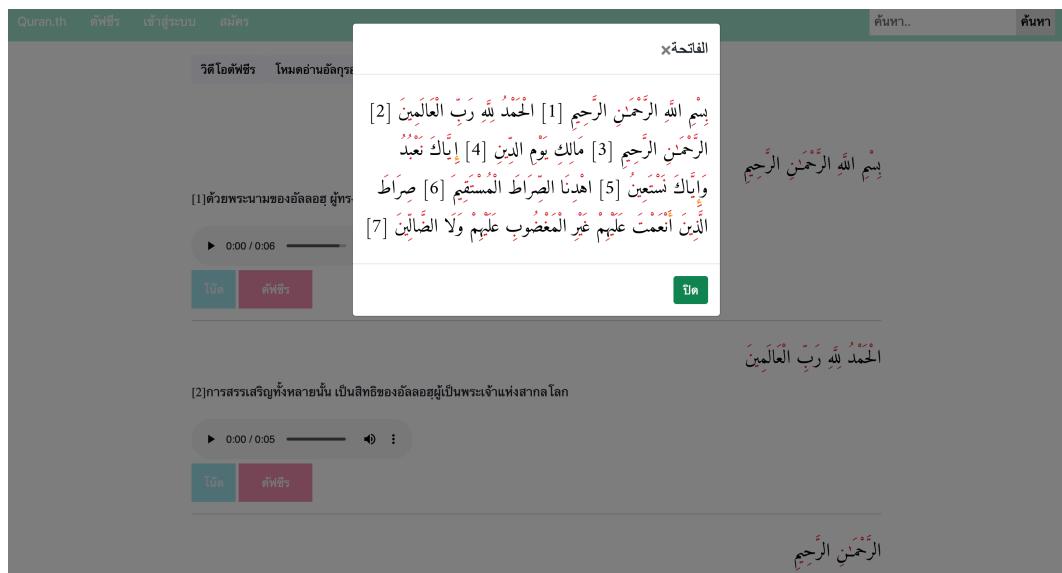


Figure 4.4:Mode Read only in detail page

This page will display the detail of Quran such as Quran-Text ,Quran-Translation,Quran-Video and Quran-Tafseer. Visitors can selected Mode Read only to read only Quran-Text.

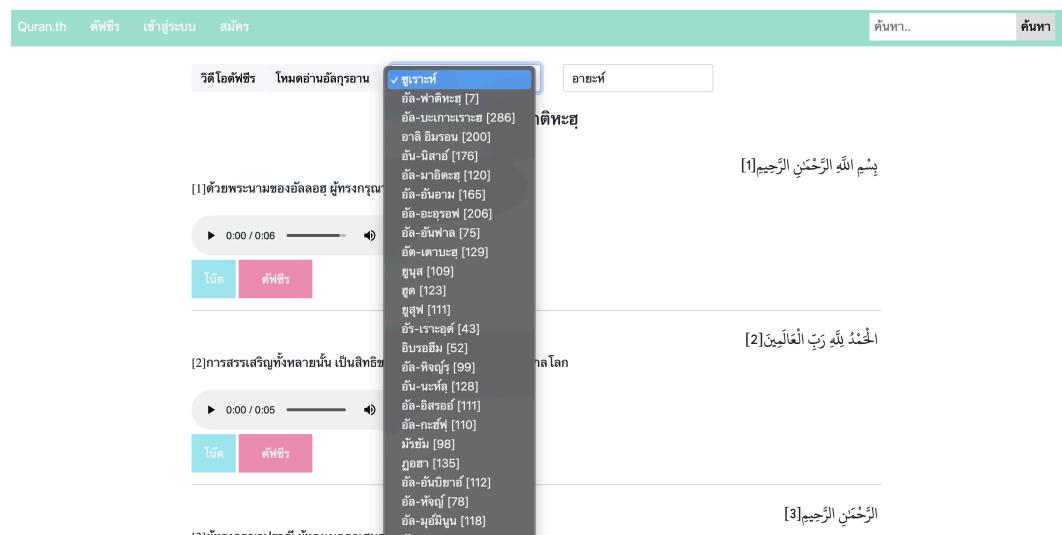


Figure 4.5:Select Surah in detail page

In figure 4.5 show the detail page and visitors can select any Surah in selected option. The screen will display detail of Surah depends on visitor selected.

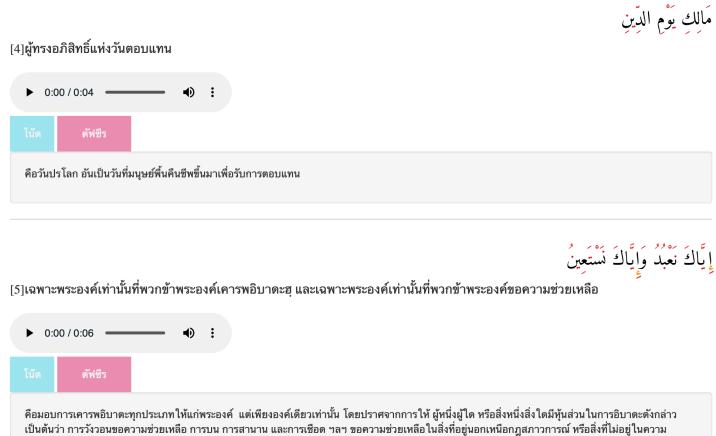


Figure 4.6: Quran Tafseer in detail page

In the figure 4.6 show detail page and visitors can press on Tafseer button to learn Quran-Tafseer. The system will extend and display Quran-Tafseer after user press on Tafseer button.



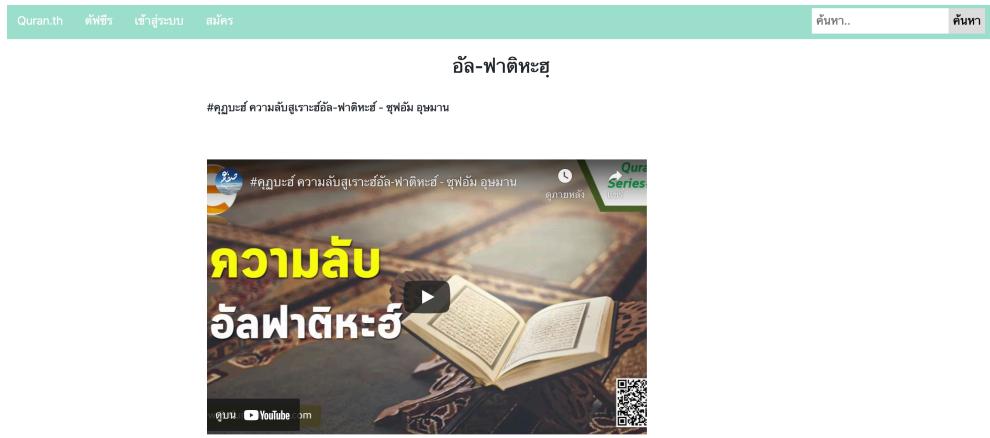
Figure 4.7: search page

In navigation of all page there is a search box in the top-hand right ,visitors can type word or number in search box and the system will display the result match with visitor searched.



Figure 4.8: Quran-Video-Tafseer home page

This page will show list of Quran-Video-Tafseer and the information of Quran such as number of Surah , type of Surah , name Surah and whole ayah of each Surah. Visitor can click on Surah name and it will display Quran-Video-Tafseer in next page.



AH 1106 อุบลคชาดง อัล-ฟاتิหะ โดย เชคริญ อະหนัต สมบัติ

Figure 4.9: Quran-Video-Tafseer page

This page will display list of Quran-Video-Tafseer depends on visitors selected. Visitor can press on video to watch Quran-Video-Tafseer.

เข้าสู่ระบบ

อีเมล์

รหัสผ่าน

จำฉันไว้

เข้าสู่ระบบ [ลืมรหัสผ่าน](#)

หากยังไม่เคยมีบัญชีใช้ กรุณาสมัครก่อน

Figure 4.10:log in page

End-users ,admin ,staff and approval can enter to system in log in page.

สมัคร

ชื่อ

อีเมล์

รหัสผ่าน

ยืนยันรหัสผ่าน

สมัคร

Figure 4.11: register page

Visitor can register to system in register page by fill information in the box.

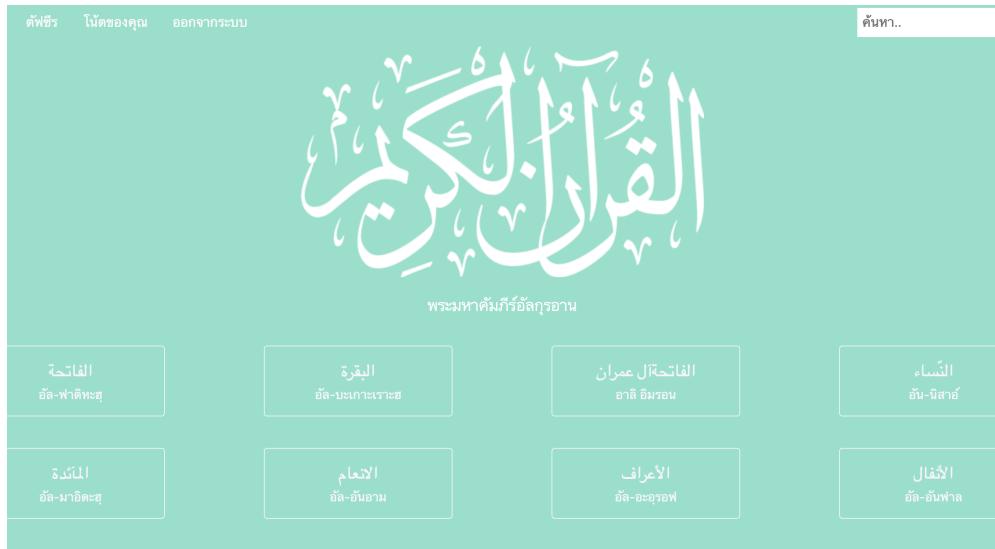


Figure 4.12: End-users main page

This page will show after end-user logged in to system. And will display list of Surah.

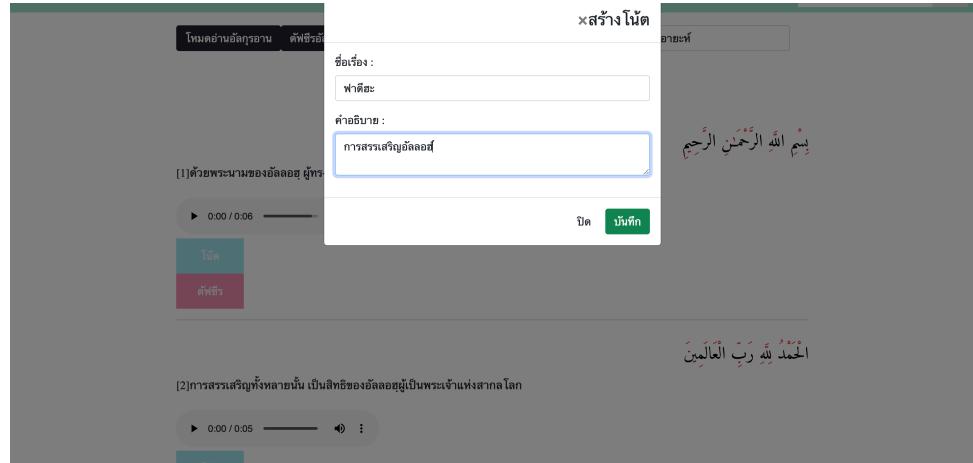


Figure 4.13: End-users detail page

After end-users select Surah and it will display this page. End-users can press on note button to create note.



Figure 4.14: End-users manage note's page

This page will show all note of end-users. End user can view , delete or update note

แก้ไข

หัวข้อ :

พ่อแม่

คำอธิบาย :

การสร้างเสริมเพื่อ

แก้ไข

Figure 4.15: End-users edit note's page

End users can update note by edit topic or detail in this page.

| จัดการอัลกุรอาน | | | | | | Admin |
|-----------------|--|------------|--------------|---------|---------------------------------------|-------|
| อ้างอิงที่ | ค่าแปล | เสียง | ชุดเราะห์ที่ | สถานะ | Action | |
| 1 | ด้วยพระนามของอัลลอห์ ผู้ทรงกรุณาปราзнакомี ผู้ทรงเมตตาเสมอ | 001001.mp3 | 1 | อนุมัติ | <button type="button">ACTION</button> | |
| 2 | การบรรยายอิรุณ์ทั้งหลายนั้น เป็นสิทธิของอัลลอห์ผู้เป็นพระเจ้าแห่งสากลโลก | 001002.mp3 | 1 | อนุมัติ | <button type="button">ACTION</button> | |
| 3 | ผู้ทรงกรุณาปราзнакомี ผู้ทรงเมตตาเสมอ | 001003.mp3 | 1 | อนุมัติ | <button type="button">ACTION</button> | |
| 4 | ผู้ทรงอิทธิพลแห่งรัตนธรรม | 001004.mp3 | 1 | อนุมัติ | <button type="button">ACTION</button> | |
| 5 | เจ้าพระองค์ที่เท่านั้นที่พำนักพระองค์เดียวในชาติ และเจ้าพระองค์ที่เท่านั้นที่พำนักพระองค์ของความช่วยเหลือ | 001005.mp3 | 1 | อนุมัติ | <button type="button">ACTION</button> | |
| 6 | ขอพระองค์ที่ทรงแนะนำพากษาพระองค์ซึ่งทางอันที่ยังคง | 001006.mp3 | 1 | อนุมัติ | <button type="button">ACTION</button> | |
| 7 | (เดิม) ทรงของบรรดาศักดิ์พระองค์ได้ทรงโปรดประทานแก่ทุกคน ไม่ใช่ในทางของพากษา แต่ก็ทรงมีอำนาจและทรงมีผลลัพธ์ | 001007.mp3 | 1 | อนุมัติ | <button type="button">ACTION</button> | |
| 1 | อะลิฟ ลาม มิน | 002001.mp3 | 2 | อนุมัติ | <button type="button">ACTION</button> | |

Figure 4.16: Admin manage Quran page

After admin log in to the system will display this page. Admin can manage Quran by view or edit .

| จัดการอัลกุรอาน | | | | | | Admin |
|---|--|--|--|--|--|-------|
| รายละเอียด | | | | | | |
| อ้างอิงที่ : 1 | | | | | | |
| ค่าแปล : ด้วยพระนามของอัลลอห์ ผู้ทรงกรุณาปราзнакомี ผู้ทรงเมตตาเสมอ | | | | | | |
| เสียง : 001001.mp3 | | | | | | |
| ชุดเราะห์ที่ : 1 | | | | | | |
| กลับ | | | | | | |

Figure 4.17: Admin view Quran's page

Admin can view the detail of Quran after select view. This page will show the detail of Quran.

Admin

แก้ไขอัลกุรอ่าน

หมายเลขที่ :

1

คำแปล :

ตัวย่อรวมของอัลลอห์ ผู้ทรงกรุณาปราณี ผู้ทรงเมตตาเสมอ

เสียง :

001001.mp3

ชุดเราะฟที่ :

1

บันทึก

Figure 4.18: Admin update Quran's page

Admin can update Quran-Translation or Quran audio in this page.

Admin

จัดการผู้ใช้งาน

| ลำดับ | ชื่อ | ผู้ใช้ | อีเมลล์ | รหัสผ่าน | Action |
|-------|-----------|--------|-----------------------|--|---------------------------|
| 1 | Admin | 1 | admin@gmail.com | \$2y\$10\$c6pAJBR7Simyy5JxhDc9.0dbzb6xpYnhafxy1guZ4RHMs2eMrfUSxy | ACTION ▾ |
| 2 | User | 0 | user@gmail.com | \$2y\$10\$RR7LvxFlguwQ5kEC.o0pcekz1qhC8uBTkn2Apx.UgOmxuNmQjAv0 | ดู แก้ไข |
| 3 | Staff | 3 | staff@gmail.com | \$2y\$10\$Yh8H34CBpa7yKp0x56aXZO2SDy3o9ysQTETGODOiwuCopb/mmCC1K | Delete |
| 4 | Approval | 2 | approval@gmail.com | \$2y\$10\$tKpmfrC4Hi8/KFyv5AdBuECds5/oYGCsd1rt8HO5GX2jUN8mZBW2 | ACTION ▾ |
| 5 | midroriya | 0 | suraiya1707@gmail.com | \$2y\$10\$S3Ws/tkEKUEZ1HJv6gGrFuhi1zXg6WQHxnt9iZm5N6gUTe90bCkwZ2 | ACTION ▾ |

< **1** >

Figure 4.19: Admin manage end-user's page

This figure 4.19 show manage user page for admin and it will display the information of users in clued end-users ,staff and approval.Admin can add, view or delete users.

Figure4.20:Admin add user's page.

Admin available to add users in this page by fill the information in the box include name ,degree, email and password.

Figure4.21:Admin manage view user's page.

In this page will display the information of users after admin press on view button in manage user's page.

Admin

แก้ไขข้อมูลผู้ใช้งาน

| | |
|--------------|---|
| ชื่อ : | 1 |
| ชื่อผู้ใช้ : | Admin |
| ตัวชี้ : | 1 |
| อีเมล : | admin@gmail.com |
| รหัสผ่าน : | \$2y\$10\$C6pAJBR7Simyy5JxhDc9J0dbz6xpYNhaFxy1guZ4RHMs2eMrfUSxy |

บันทึก ยกเลิก

Figure 4.22: Admin edit user's page.

Admin can update information of users in edit user's page.

Admin

จัดการวิดีโอตัวชี้ชู

| ลำดับ | ชื่อวิดีโอ | YoutubelID | Action |
|-------|--|-------------|--------|
| 1 | #คุณธรรม ความสัน्तิภาพชีวิต-ชาติพัชร์ - ชูทธิ์ อุษมาณ | H8yLaMW-v6k | ACTION |
| 2 | AH 1106 คุณค่ายาอง อึ-ฟ้าติยะฟ์ โดย เศศรีภูร ยลกันต์ สมะดี | dBWUgWote7k | ACTION |
| 3 | ตัวชี้ชุดเรียนหลักพัฒนา บรรยายธรรมอิสลาม อิسلامแอล วิฤทธิ์ปานะนี | YtZEk78gbQI | ACTION |
| 4 | AH 2448 ตัวชี้ชุดเรียน ชุดเรียนภาษาอาหรับ โดย อาจารย์มุบารัก กะนัดห์มัดซอและ | 4sHU5JwxpEU | ACTION |
| 5 | ตัวชี้ชุดเรียน ชุดเรียนภาษาไทย ตอน 1 (อายุช่วง 1-2) | nVtG0fmOYsw | ACTION |

< 1 >

Figure 4.23: Admin manage Quran-Video-Tafseer's page.

Admin can add , edit or delete Quran-Video-Tafseer in Admin manage Quran-Video-Tafseer's page. Admin can choose the option in the select dropdown list of action.

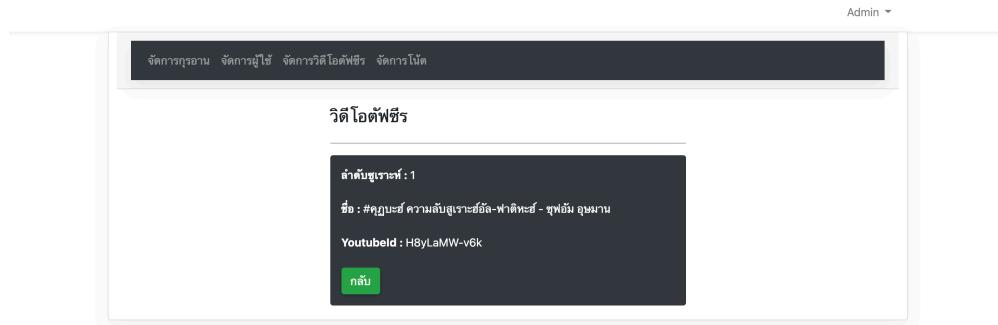


Figure 4.24: Admin view Quran-Video-Tafseer's page.

Admin can press on view button to see more the information of Quran-Video-Tafseer.

| |
|--------------|
| ชื่อ |
| ล่าสุดชูราห์ |
| youtubeid |

Figure 4.25: Admin add Quran-Video-Tafseer's page.

In figure 4.35 admin can add Quran-Video-Tafseer by press on add button and fill name ,Surah-id and Youtubeid of Quran-Video-Tafseer and save.

Figure 4.26: Admin manage Quran-Tafseer's page.

Admin can add , edit or delete Quran-Tafseer in Admin manage Quran-Video-Tafseer's page.Admin can choose the option in the select dropdown list of action.

Admin ▾

จัดการกรุณา จัดการกรุณาเต็มชีวิต จัดการวิธีโถตัวพัชร จัดการรุ่นโซเชียล จัดการโน๊ต

แก้ไขกรุณาเต็มชีวิต

ลำดับขบวนการ :

1

ที่อย :

อธินา ชูเราะห์อ่องฟ้าตี้ยะ

เต็มชีวิต :

คือแนวปฏิบัติ อันเป็นวัสดุที่บุคลากรที่ศึกษาและเข้าใจวิธีการสอนแทน
คือแนวปฏิบัติทางวิชาชีพของครูให้เกิดความสอดคล้องกับจรรยาบรรณ แต่พึงมององค์กรที่อยู่เบื้องหลัง โดยปรารถนาจากการให้
ผู้เรียนได้รับสิ่งที่สิ่งใดก็ได้ที่ส่งเสริมในการเรียนภาคตัดกราก เป็นเพียงว่า การวิเคราะห์ความช่วยเหลือ
การสอน การสนับสนุน และการเชื่อถือ ฯลฯ

ที่มา :

หนังสือพิพิธภัณฑ์มูลนิธิกรุณา พัฒนาคำเปล含ภาษาไทย

อายุที่ที่ :

4

กลับ

บันทึก

Figure 4.27: Admin update Quran-Tafseer's page.

Admin can edit Quran Tafseer in this page.

Admin

จัดการกรุณา จัดการกรุณาด้วย จัดการวิดีโอด้วย จัดการรูป จัดการโน๊ต

ตัวบัญชีรายรับ : 1

ชื่อ : admin ชื่อรักษ์ อุ่นพัฒนา

ตัวบัญชีรายรับ : ต้องอ่านไปเรื่อยๆ ไม่ต้องจำ

รายละเอียด : ต้องอ่านไปเรื่อยๆ ไม่ต้องจำ

จำนวน : 4

ลบ

Figure 4.28: Admin view Quran-Tafseer's page.

Admin can view information of Quran-Tafseer in this page.

จัดการโน๊ต

| ที่ | หัวข้อ | คำอธิบาย | ชื่อผู้ใช้ |
|-----|--------|------------------------------|--------------|
| 1 | พ่อแม่ | กสิกรรมการสร้างเครื่องมือของ | midrorjya555 |
| 2 | love | pateint | midrorjya2 |
| 3 | num | newww | midrorjya2 |
| 4 | me | goo | midrorjya2 |
| 5 | nb,m | gkghmg | midrorjya44 |

Figure 4.29: Admin manage note end-users's page.

Admin can view note of user in Admin manage note page.

Staff

จัดการกรุอ่าน จัดการกรุอ่านด้วยชีร จัดการวิดีโอด้วยชีร

จัดการข้อลับกรุอ่าน

| อายุหัวฟื้น | ค่าแบบ | เสียง | ชื่อรวมหัวฟื้น | สถานะ | Action |
|-------------|---|------------|----------------|---------|---|
| 1 | ด้วยพรมนาฬองอัลลอดู ผู้ทรงกรุณานาปาหนี่ ผู้ทรงมณฑาเสน่ห์ | 001001.mp3 | 1 | อนุมัติ | <button style="background-color: red; color: white; padding: 5px 10px; border-radius: 5px;">ACTION ▾</button> |
| 2 | การสร้างเรื่องทั้งหลักนั้น เป็นสิทธิ์ของอัลลอดูผู้เป็นพระเจ้าแห่งสากลโลก | 001002.mp3 | 1 | อนุมัติ | <button style="background-color: red; color: white; padding: 5px 10px; border-radius: 5px;">ดู แก้ไข</button> |
| 3 | ผู้ทรงกรุณานาปาหนี่ ผู้ทรงมณฑาเสน่ห์ | 001003.mp3 | 1 | อนุมัติ | <button style="background-color: red; color: white; padding: 5px 10px; border-radius: 5px;">ACTION ▾</button> |
| 4 | ผู้ทรงภารกิจทึบแห่งวันตอบแทน | 001004.mp3 | 1 | อนุมัติ | <button style="background-color: red; color: white; padding: 5px 10px; border-radius: 5px;">ACTION ▾</button> |
| 5 | เฉพาะของศัทธาที่ทำให้ท้าว้ำพะรองค์เครื่องยนต์เดชะ และเฉพาะของศัทธาที่ทำให้ท้าว้ำพะรองค์ขอความช่วยเหลือ | 001005.mp3 | 1 | อนุมัติ | <button style="background-color: red; color: white; padding: 5px 10px; border-radius: 5px;">ACTION ▾</button> |
| 6 | ขอพะรองศัทธาทั้งแนวนำพาท้าว้ำพะรองศัทธิ์ทางอันที่ยังคง | 001006.mp3 | 1 | อนุมัติ | <button style="background-color: red; color: white; padding: 5px 10px; border-radius: 5px;">ACTION ▾</button> |
| 7 | (ดีอ) ทางของบรรดาศูนย์ที่พระองค์ได้ทรงโปรดปรานแก่พวกเขามีใช้ในทางของพวกที่ถูกกรี๊ด และมีใช้ทางของพวกที่ถูกยึด | 001007.mp3 | 1 | อนุมัติ | <button style="background-color: red; color: white; padding: 5px 10px; border-radius: 5px;">ACTION ▾</button> |

Figure 4.30: Staff manage Quran page.

After Staff log in to the system will display this page. Staff can manage Quran by view or edit

Staff

| จัดการตัวผู้ใช้งาน | | | | | |
|--------------------|----------------------------|---------------|---------|---|--|
| ลำดับ | ชื่อ | ตัวผู้ใช้งาน | สถานะ | 操作 | |
| 1 | ตัวผู้ใช้งานที่เพิ่มเข้ามา | นายพัฒนา ใจดี | อนุมัติ | Edit Delete | |

Figure 4.31: Staff manage Ouran-Tafseer's page.

Staff can manage Quran Tafseer by create , view , delete or update.

Figure 4.32: Staff manage Quran-Tafseer's page.

Staff can manage Quran-Video-Tafseer by create , view , delete or update.

Figure 4.33: Approval manage Quran's page.

After Approval log in to the system will display this page. Approval can manage Quran by view or edit.

| ที่ | ชื่อ | ตัฟซีร | ที่มา | สถานะ | Action |
|-----|---|---|---------------------|-----------|--|
| 1 | ตัฟซีร ชูเราะ อายะอิมรอน 1 (อายะอุ 1-2) | หมายถึงพากศรีสุเดช เทียนเพราฯ พากเชาหลังผิดไปว่า นัยบี ว่า เป็นบุตรของอัลล้อห์ นี่องจากนับีชา เกิดจากนามรักยัง ซึ่งเป็นหนึ่งในบุตรที่สำคัญ ปราสาทกาชาด ได้สมสุนna และความจริงนั้นจะไม่ใช่ข้า ไม่เป็น พระบุตรของพระองค์ไม่ บ่าวาของพระองค์คุณนี้จะเป็นบ่าวาของพระองค์ที่สำคัญ จะแตกต่างกันเกือบเท่าไร แต่บีชา นั้นเกิดจากนางรัวร้อง แต่ฝ่ายเดียว ได้ยินไม่มีชาย ได้สมสุนna เอี่ยม หญิงอีก ๆ ทั้งนี้ด้วยประการใดของพระองค์ ลังกหลวงนี้เป็นการชี้แจงของ พระองค์ไว้ในอัล-กรุอาน | หนังสือกุรอานแปลไทย | รอตรวจสอบ | ACTION ดู แก้ไข |

Figure4.34:Approval manage Quran-Tafseer's page.

Approval can manage Quran-Tafseer by create , view , delete or update.

| ที่ | ชื่อชูเราะ | YoutubeID | สถานะ | Action |
|-----|--|-------------|---------|--|
| 1 | ตัฟซีร ชูเราะอิมรอน 1 (อายะอุ 1และ2) | QxEan0ySvx0 | อนุมัติ | ACTION ดู แก้ไข |
| 2 | ตัฟซีรอัลกรุอาน ชูเราะอิมรอน อายะอุ 01-06 ~ อ.คอดิล 瓦รีซ | 5_40tSRFCD8 | อนุมัติ | ดู แก้ไข |
| 3 | ตัฟซีรอัลกรุอาน ชูเราะอิมรอน อายะอุ. 07-09 ~ อ.คอดิล วารีซ | hig0S2QocEo | อนุมัติ | Delete |

Figure4.35:Approval manage Quran-Video-Tafseer's page.

Approval can manage Quran-Video-Tafseer by create , view , delete or update.

| จัดการกรุอ่าน จัดการกรุอ่านด้วยชีรี จัดการวิธีด้วยชีรี ตรวจสอบสถานะกรุอ่าน ตรวจสอบสถานะกรุอ่านด้วยชีรี ตรวจสอบสถานะวิธีด้วยชีรี | | | | | | |
|---|--|------------|--------------|---------|---------|--------|
| Approval ▾ | | | | | | |
| จัดการอัลกุรอาน | | | | | | |
| อายุห้าม | คำแปล | เสียง | ชุดเราะห์ที่ | สถานะ | อนุมัติ | ยกเลิก |
| 1 | ตัวย่อพจนานุกรมของอัลล้อซ อัลลาราภูมานาปารามี อัลลาร์เมตตาเอมอ | 001001.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 2 | การสร้างเรื่องราวทั้งหลายนั้น เป็นสิทธิของอัลล้อซ อัลลาร์เป็นพระเจ้าแห่งสากลโลก | 001002.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 3 | ผู้ทรงกรุณาปารามี ผู้ทรงเมตตาเสมอ | 001003.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 4 | ผู้ทรงอภิสิทธิ์แห่งวันตอบแทน | 001004.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 5 | เฉพาะพระองค์เท่านั้นที่พากษาพระองค์เคารพอินบิดะ และเฉพาะพระองค์เท่านั้นที่พากษาพระองค์ ขอความช่วยเหลือ | 001005.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 6 | ขอพระองค์ทรงแนะนำพากษาพระองค์ซึ่งทางอันที่ยังคง | 001006.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 7 | (คือ) ทางของมนตราผู้ที่พระองค์ได้ทรงโปรดประทานแก่พากษา ณ ใช้ในทางของพากษาที่ถูกกริ่ว และ มีใช้ทางของพากษาที่หล่อถล | 001007.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |

Figure4.36:Approval approved Quran's page.

Approval can approved or cancel the status of CRUD Quran. If approval approved the status will change to approved or cancel.

| จัดการกรุอ่าน จัดการกรุอ่านด้วยชีรี จัดการวิธีด้วยชีรี ตรวจสอบสถานะกรุอ่าน ตรวจสอบสถานะกรุอ่านด้วยชีรี ตรวจสอบสถานะวิธีด้วยชีรี | | | | | | |
|---|--|------------|--------------|---------|---------|--------|
| Approval ▾ | | | | | | |
| จัดการอัลกุรอาน | | | | | | |
| อายุห้าม | คำแปล | เสียง | ชุดเราะห์ที่ | สถานะ | อนุมัติ | ยกเลิก |
| 1 | ตัวย่อพจนานุกรมของอัลล้อซ อัลลาราภูมานาปารามี อัลลาร์เมตตาเอมอ | 001001.mp3 | 1 | ยกเลิก | อนุมัติ | ยกเลิก |
| 2 | การสร้างเรื่องราวทั้งหลายนั้น เป็นสิทธิของอัลล้อซ อัลลาร์เป็นพระเจ้าแห่งสากลโลก | 001002.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 3 | ผู้ทรงกรุณาปารามี ผู้ทรงเมตตาเสมอ | 001003.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 4 | ผู้ทรงอภิสิทธิ์แห่งวันตอบแทน | 001004.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 5 | เฉพาะพระองค์เท่านั้นที่พากษาพระองค์เคารพอินบิดะ และเฉพาะพระองค์เท่านั้นที่พากษาพระองค์ ขอความช่วยเหลือ | 001005.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |
| 6 | ขอพระองค์ทรงแนะนำพากษาพระองค์ซึ่งทางอันที่ยังคง | 001006.mp3 | 1 | อนุมัติ | อนุมัติ | ยกเลิก |

Figure4.37:Approval approved Quran's page.

This page will display status of approved. If approval approved the information of Quran will allow to display on screen of visitors and end-users.

| จัดการกรุณาณ์ จัดการกรุณาณ์พัชร์ จัดการวาร์ด์โอดี้พัชร์ ตรวจสอบสถานะกรุณาณ์ ตรวจสอบสถานะวาร์ด์โอดี้พัชร์ ตรวจสอบสถานะวาร์ด์โอดี้พัชร์ | | | | | | | |
|---|-----------------------------|---|---------------------------------------|------------|------------|---------|--------|
| ที่ | ชื่อ | ตัวพัชร์ | ห้องเรียน | ชื่อผู้ใช้ | สถานะ | อนุมัติ | ยกเลิก |
| 1 | ตพพิชร์ ชู เวราสุขะลีอิ | หมายเหตุเพื่อขอรับเชิญพระพากษาเหลือเดือนไปร่วม น้ำมนต์ เชิญเป็นบุตรคนที่สอง ประสาทภายใน ให้สมสุขานา แต่ความจริง นั้นเป็นเชิญมา กิจกรรมที่ไม่เป็นพระบัญชาของพระองค์ที่จะทรง ให้สมสุขานา แต่ความจริงที่เชิญ เป็นบุตรคนที่สอง นั้นก็คือความ จริงที่กิจกรรมของพระองค์ที่ต้องการ จะแสดงถึงภารกิจที่เป็นเดียว หมายเหตุนี้นักศึกษา งบประมาณที่เดินทางไปร่วม เชิญ ให้เป็นบุตรคนที่สอง ที่นี่ด้วยประวัติดีชอบ หรือจะสักถักว่า นี่เป็นการเชิญของพระองค์ไว้แล้ว อีกด้วย | ห้องเรียนภาษาไทย | Approval | รอ ตรวจสอบ | อนุมัติ | ยกเลิก |
| 2 | อธิบาย ชู เวรา หือล่าพัทียะ | หมายเหตุเพื่อขอรับเชิญพระพากษาเดือนที่หนึ่ง หมายเหตุนี้กิจกรรมที่เชิญเป็นบุตรคนที่สอง และหมายเหตุนี้ มี หมายเหตุนี้ในงานของศิษย์เก่าที่เดินทาง หมายเหตุนี้กิจกรรมที่เชิญพระพากษาเหลือเดือนไปร่วม น้ำมนต์ เชิญเป็นบุตรคนที่สอง ให้สมสุขานา แต่ความจริงนี้เป็นเชิญมา ให้เป็น พระบัญชาของพระองค์ไม่ หาก แต่เป็นบุญของพระองค์ที่เดินทาง หมายเหตุนี้กิจกรรมที่เชิญเป็นบุตรคนที่สอง ให้สมสุขานา แต่ความจริงนี้เป็น แต่เดียว หมายเหตุนี้นักศึกษาที่เดินทางไปร่วม เชิญ ให้เป็นบุตรคนที่สอง ที่นี่ด้วยประวัติดีชอบ หรือจะสักถักว่า นี่เป็นการเชิญของพระองค์ ที่ถูกต้องแล้ว อีกด้วย | ห้องเรียนพระพากษา ศิษย์เก่าลูกภาษาไทย | Admin | อนุมัติ | อนุมัติ | ยกเลิก |
| 3 | อธิบาย ชู เวรา หือล่าพัทียะ | ขอความช่วยเหลือให้ในสิ่งที่อยู่นอกเหนือกฎหมายการสอน หรือสิ่งที่ไม่อยู่ในความสามารถของ มนุษย์ที่จะให้ ความช่วยเหลือได้ | ห้องเรียนพระพากษา ศิษย์เก่าลูกภาษาไทย | Admin | อนุมัติ | อนุมัติ | ยกเลิก |

Figure4.38:Approval approved Quran-Tafseer's page.

Approval can approved or cancel the status of CRUD Quran-Tafseer. If approval approved the status will change to approved or cancel. This page will display status of approved.

| จัดการกรุณาณ์ จัดการกรุณาณ์พัชร์ จัดการวาร์ด์โอดี้พัชร์ ตรวจสอบสถานะกรุณาณ์ ตรวจสอบสถานะวาร์ด์โอดี้พัชร์ ตรวจสอบสถานะวาร์ด์โอดี้พัชร์ | | | | | | |
|---|--|-------------|------------|---------|---------|--------|
| ที่ | ชื่อ | YoutubeID | ชื่อผู้ใช้ | สถานะ | อนุมัติ | ยกเลิก |
| 1 | test | hgjdgvd | Staff | ยกเลิก | อนุมัติ | ยกเลิก |
| 2 | ตพพิชร์ลูกภาษาไทย ชูราวดาชุอาลีอิมรอน อายะอช. 07-09 ~ อ.คลอดิค วารีช | hig0S2QocEo | Approval | อนุมัติ | อนุมัติ | ยกเลิก |
| 3 | ตพพิชร์ลูกภาษาไทย ชูราวดาชุอาลีอิมรอน อายะอช 01-06 ~ อ.คลอดิค วารีช | 5_40tSRFCD8 | Approval | อนุมัติ | อนุมัติ | ยกเลิก |
| 4 | ตพพิชร์ ชูราวดาชุอาลีอิมรอน 1 (อายะอช 1และ2) | QxEan0ySvx0 | Approval | อนุมัติ | อนุมัติ | ยกเลิก |
| 5 | #คุณเบซ ความลับชูราวดาชุอาลี-พัชร์ - ชูฟลัม ฉุกชากาน | H8yLaMW-v6k | User | อนุมัติ | อนุมัติ | ยกเลิก |

Figure4.39:Approval approved Quran-Video-Tafseer's page.

Approval can approved or cancel the status of CRUD Quran-Video-Tafseer. If approval approved the status will change to approved or cancel. This page will display status of approved.

4.1.2 Coding by using php standard and larval framework.

Due to this project developed by using larval framework but at beginning developer still not familiar with it so developer try to coding by using pure php firstly. After that apply code with larval framework. The figures below are showed example of code using pure php and convert to larval framework.

4.2 TESTING

During develop the system. To make The Quran Wep Application for Thai Language in the best version. Developer will make a testing the system and compile the mistakes of system. During testing developer will perform two type of testing which are system testing and user testing.

For the system testing, developer test the system during develop the system. After coding, developer test to run the system. If some error, developer will fix it and try to complete the task.

For the user testing, developer let user look system and comment which feature should be adapt. There is some point that user asks developer to change. Most of The Quran Wep Application for Thai Language was accepted. By the way, for back-end system has designed but could improve coding much more.

4.3 MAINTENANCE

For this project, The Quran Wep Application for Thai Language still not achieve all of requirement . But for main future can be used .Developer can add more requirement in the future.

CHAPTER V :

CONCLUSION

In the last part, this chapter summaries this project including the result that was the project requirement and design, development, testing and maintenance.

5.1 PROBLEM FACING

The Quran Web Application for Thai Language goals to make the system functionally. The actually purpose are try to serve for users not only visitor and end-users. But due to limited of time to complete this project. While developer develop this project developer faced to severals problems such as following:

- Developer is a beginner in using Laravel framework , it's complicate and difficult while we learn something new, and another point is don't have mate to share idea with ,so using lot of time to learn about it.
- Error code during coding.

5.2 RECOMENDATION

- If using Laravel framework to develop project , should start coding by using framework at the beginning.Don't need to spent much time in coding using pure PHP.
- To develop one project we need to plan step by step and try to follow the schedule to achieved the goal.You must have discipline by yourself.
- Ask someone who interest in the same topic with you and share idea with them.It's help you a lot and saved your time.
- Dedicate yourself to learn something new as mush as possible , don't give up.Practice make perfect!.

5.3 FUTURE WORK

The future work of this project available in many parts describe below:

- Adapt user interface nicer.
- Extend more feature.
- Developed into high performance.

5.4 SUMMARY

Project “Quran Web application in Thai Language” purpose to create a Web Application for Thai people to learn The Quran by read Quran-Text,Quran-Translation ,listen Quran-Audio and learn Quran-Tafseer in one stop service and serve the best information of The Quran in Thai language.This project accomplish the requirement by design and develop system functionally.For overview the result of project quite satisfied but there are some function should developed and improve this project in the future to deliver the better system for users. Developer hope that Thailand might have our own Quran-Web application and users use this Quran Web Application for Thai language in realistic and get the most benefit from using this web base,InsahAllah.

REFERENCE

- Aiadk.com. n.d. **صفحة جارية للمرحوم / عبد الله ابراهيم الدخيل**. [online] Available at: <<http://aiadk.com/>> [Accessed 8 November 2020].
- Alginahi, Y. M. (2018). Quran search engines: challenges and design requirements. International Journal of Computer Applications in Technology, 57(3), 237. doi:10.1504/ijcat.2018.092982
- ClearTech Interactive. n.d. Top Reasons to Wireframe Out Your Web or Mobile App. [online] Available at: <<https://www.cleart.com/top-reasons-wireframe-web-mobile-app.html>> [Accessed 7 April 2021].
- Daasee.com. n.d. [online] Available at: <<http://www.daasee.com/>> [Accessed 8 November 2020].
- Englishquran.app. n.d. English Quran Web App. [online] Available at: <<https://englishquran.app/>> [Accessed 8 November 2020].
- IslamHouse.com. 2006. **อัลกุรอานแปลไทย - ไทย**. [online] Available at: <<http://islam-house.com/th/books/405>> [Accessed 12 November 2020].
- Iqbal, R., Mustapha, A., & Mohd. Yusoff, Z. (2013). An experience of developing Quran ontology with contextual information support. Multicultural Education & Technology Journal, 7(4), 333–343. doi:10.1108/metj-03-2013-0009
- Justinmind.com. 2019. [online] Available at: <<https://www.justinmind.com/blog/information-architecture-ux-guide/>> [Accessed 5 March 2021].
- Quran.com. [online] Available at: <<https://quran.com/>> [Accessed 11 November .]2020
- Quranacademy.io. n.d. Read Quran Online - The Best Quran Reading & Learning Tool in the Market. [online] Available at: <<https://quranacademy.io/reader/>> [Accessed 8 November 2020].
- Quran For All. n.d. **القرآن الكريم**. [online] Available at: <<http://www.quran-for-all.com/>> [Accessed 5 November 2020].
- Quranthai.blogspot.com. n.d. **อัลกุรอานแปลไทย : QuranThai**. [online] Available at: <<https://quranthai.blogspot.com/>> [Accessed 8 November 2020].
- Sherif, M. A., & Ngonga Ngomo, A.-C. (2015). Semantic Quran. Semantic Web, 6(4), 339–345. doi:10.3233/sw-140137
- Tanjaoui.ma. n.d. **الطنجاوي**. [online] Available at: <<http://tanjaoui.ma/>> [Accessed 8 November 2020].