

Department of Computer Science  
CPCS 381: Human-Computer Interaction  
Spring 2021



## Elmohafez TV

Improving El-Mohafez interface based on  
interaction design concepts

### STUDENTS NAMSE

Zuhra Osman Alsaadi	1870353
Bodor Nayaf Alamri	1805739
Razan Muhammad Aljuhani	1806065
Mona Mohammed Hafez	1780735
Section	HAR

### INSTRUCTOR

Dr. Ohoud Alzamzami

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## **1. Introduction**

This video will help to understand the application interface (<https://vimeo.com/256373317>)

### **1.1. Background**

The Elmohafez TV is a mobile application, It allows users to read the Quran and enables them to memorize it in an effective way through some features. It supports the Quran with 15 novels and 14 readers. It contains books of Hadith such as Sahih Al-Bukhari and Muslim and others. And also books of Mutoon such as Masterpieces of Children, Shattabiyya, Al-Jazirah, Al-Bikuniya, and others.

The main functions

- Memorizing the Quran in various narrations by listening, recording and matching.
- The ability to follow-up memorizing Hadith at the level of chapters, books and works.
- Viewing books of Mutoon.

This link contains a video explaining the idea of the application:

<https://vimeo.com/256373317>

### **1.2. Target users**

All people who want to use technology for memorize the Quran, Hadith and Mutoon.

### **1.3. Usability requirements**

This application provides different types of services and it is used frequently by different ages of users, so the most important usability goals that should be met in that application are to be easy to learn, easy to remember, effective to use and it must have good utility .

### **1.4. User experience goals**

After doing the survey on the users of the application which help us to discover the most important user experience goals : that to be satisfying, helpful, motivating, pleasurable and enjoyable .

### **1.5. Interaction and Interface Type**

There are one interaction type used in Elmohafez TV application, that the instructing because the users make the most control over the application. When interacting with the system the interface type used is Mobile application.


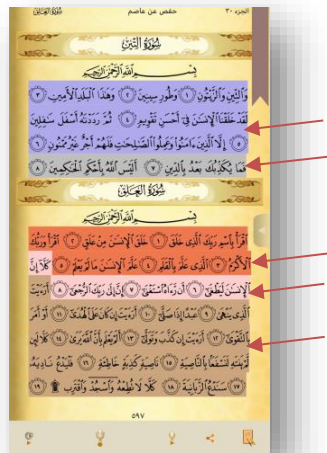
### **1.6. Context of use**


The interface of the application is for public use, so it available for everyone in any place by user's devices at any time of the day.

### **1.7. Interface Problem**

We examined the usability of the applications before applying improvements on its interface, and after conducting a questionnaire to know the user experience, we found some problems that contributed to complicate the understanding of the activities and functions provided, Also that made the application difficult to learn and remember.

So here we show three problems of the interface.

Problem	Description	Illustration
<b>The icons</b>	<p>It's unclear what function is assigned to each icon, its sizes are inappropriate, which negatively affects the learnability and memorability of app.</p>	
<b>The colors</b>	<p>It's uncomfortable to look at and there are limited options to the users that may not be preferred, which may negatively affect the utility of app.</p>	

<p><b>The arrangement of the elements</b></p>	<p>Its unsuitable as the elements with similar function are located in different places on the interface, which negatively affect the effectiveness of app .</p>	
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## 2. Proposed Solution

### 2.1. Aim

This project aims to improve the quality of the user experience by enhancing the application interface through clarify the distinctive functions and making the interface suitable for different users by achieving the usability goals.

### 2.2. Objectives

- Enhance the user ability to reach the functions easily.
- Make the interface more visual and comfort in use.
- Make some changes to the interface to be more affordance.

### 2.3. Suggested Improvements

- Change the place of the items for some function.
- Change the colors in the interface and change books covers to match real ones.
- Change icons to afford the user to use it in the right way such as recording and listing to recorded voice icons.

### 2.4. Conceptual Model

This conceptual model explains the flow of interfaces and a brief description of each interface.

## CONCEPTUAL MODEL FOR ELMOHAFEZ TV APP

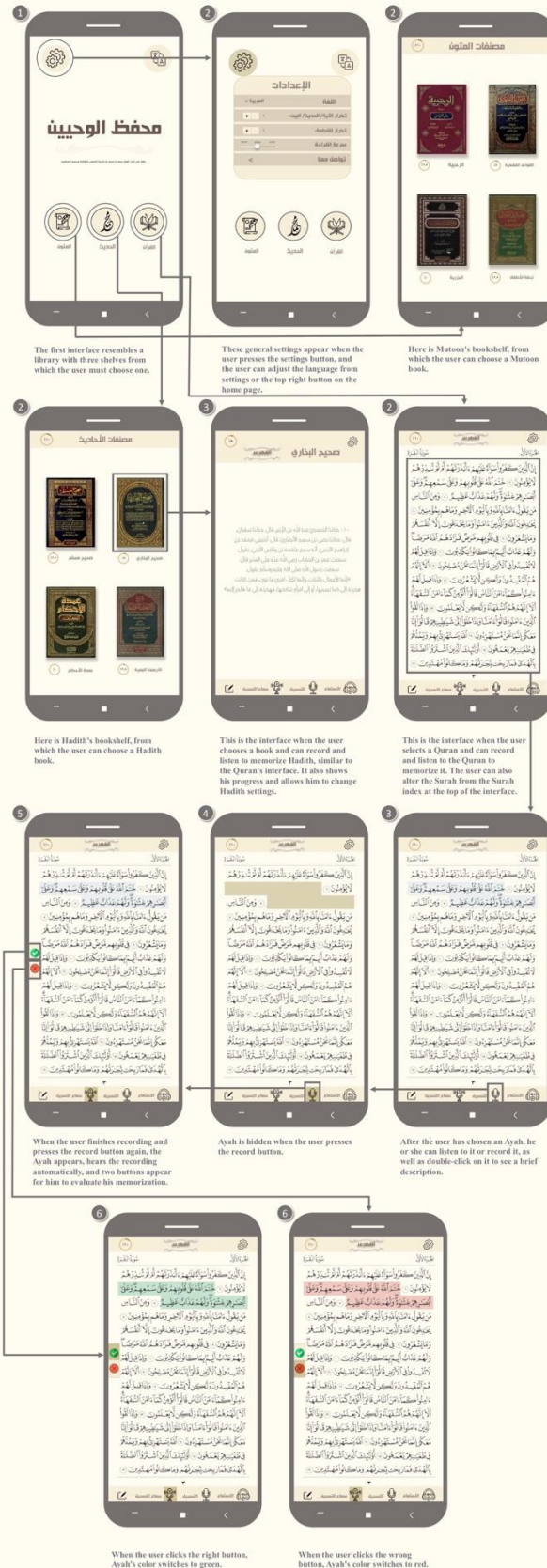


Figure 1 : Conceptual Model for ElmoHafez TV App


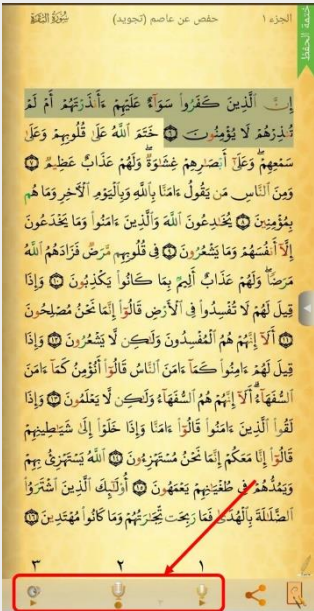
### 3. Data Gathering

#### 3.1. Questionnaire or interview draft

No.	Question	Expected answers	Type
<b>a. User characteristics</b>			
<b>Q1</b>	Age	<ul style="list-style-type: none"> <li>• Less than 13 years old</li> <li>• From 13 to 19 years old</li> <li>• From 20 to 39 years old</li> <li>• From 40 to 60 years old</li> <li>• Over than 60 years old</li> </ul>	Multiple choices question
<b>Q2</b>	Educational level	<ul style="list-style-type: none"> <li>• Elementary school</li> <li>• Middle school</li> <li>• High school</li> <li>• University</li> <li>• Other</li> </ul>	Multiple choices question
<b>Q3</b>	How do you evaluate your ability to use technology and keep up with its developments?	Linear scale from 1 to 5 where 1 is considered a beginner and 5 is an expert	Linear scale question
<b>b. Application use</b>			
<b>Q1</b>	The purpose of using this application (El-Mohafez)	<ul style="list-style-type: none"> <li>• Saving Qur'an</li> <li>• Saving Hadiths</li> <li>• Saving Mutoon</li> <li>• Other</li> </ul>	Checkbox question
<b>c. The context of use of the application</b>			
<b>Q1</b>	Where are you usually when using this app?	<ul style="list-style-type: none"> <li>• At home</li> <li>• At work</li> <li>• Other</li> </ul>	Multiple choices question
<b>Q2</b>	What is the time period in which you prefer to use this application?	<ul style="list-style-type: none"> <li>• 07:00 AM - 12:00 PM</li> <li>• 01:00 PM - 06:00 PM</li> <li>• 07:00 PM - 12:00 AM</li> <li>• 01:00 AM - 06:00 AM</li> </ul>	Multiple choices question
<b>d. Current user experience and satisfaction with the application</b>			
<b>Q1</b>	What are the features of this application(El-Mohafez)	<ul style="list-style-type: none"> <li>• Easy and clear to use</li> <li>• Comfortable to use</li> <li>• The presence of many and varied services</li> </ul>	Checkbox question

		<ul style="list-style-type: none"> <li>• The way to use it is easy to remember always</li> <li>• Other</li> </ul>	
<b>Q2</b>	Do you use other applications to save Quran, Hadiths, Mutoon?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q3</b>	If yes, what prompted you to use the other apps?	<ul style="list-style-type: none"> <li>• There are some disadvantages to this application</li> <li>• This app has many functions and it is difficult to remember where and how to access them</li> <li>• This app is not responding in the correct way</li> <li>• The application interface is uncomfortable</li> </ul>	Checkbox question
<b>Q4</b>	Are the application instructions clear? Or did you need other resources to understand the application?	<ul style="list-style-type: none"> <li>• Yes, clear</li> <li>• No, it is not clear, and I tried to guess and test to know how to use</li> <li>• No, it is not clear, and I needed other resources to know how to use</li> </ul>	Multiple choices question
<b>Q5</b>	Do you use the application on more than one device (Galaxy, iPhone, iPad, tablet, ... etc.)?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q6</b>	If the previous answer is yes, have you faced difficulties or problems due to the differences in the interfaces or differences in way of using in some places?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q7</b>	Are the application colors consistent and comfortable?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q8</b>	How easy is the application to use?	Linear scale from 1 to 7 where 1 is considered an easy and 7 is a difficult	Linear scale question



Q9	Is the size of the icons is suitable?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> <li>• Some are suitable and some are not</li> </ul>	Multiple choices question
Q10	 <p>What does the circle indicate in these photos?</p>	<ul style="list-style-type: none"> <li>• Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)</li> <li>• Percentage of parts (quarter part, half part, ... etc)</li> <li>• Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)</li> <li>• I do not know</li> </ul>	Multiple choices question
Q11		<ul style="list-style-type: none"> <li>• 1- Listening to the reciter -2- Listening to the recording -3- Recording the voice</li> <li>• 1- Recording the voice -2- Listening to the reciter -3- Listening to the recording</li> <li>• 1- Listening to the recording -2- Recording the voice -3- Listening to the reciter</li> <li>• I do not know</li> </ul>	Multiple choices question

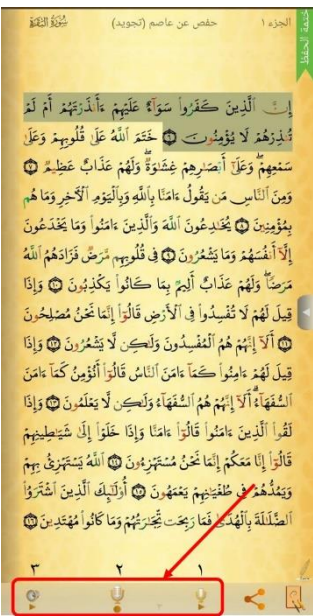

	What do the icons in this image mean?		
Q12	 <p>What do you know about the bookmark?</p>	<ul style="list-style-type: none"> <li>One separator (bookmark)</li> <li>A number of similar separators (bookmarks)</li> <li>Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)</li> <li>I do not know</li> </ul>	Multiple choices question
Q13	Do the icons give you a clear meaning of how to use them?	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul>	Multiple choices question
Q14	<p>How well do you know the functionality of icons within this app?</p> <p>When you see an icon or button in the application, can you know the purpose of this icon or button, or how to use it?</p>	Linear scale from 1 to 5 where 1 is considered a little and 5 is "I know all the functions"	Linear scale question
e. Design improvements			
Q1	What is the most thing you want to improve on the (El-Mohafez) application?	<ul style="list-style-type: none"> <li>Fonts</li> <li>Icons</li> <li>Colors</li> <li>Lists</li> </ul>	Checkbox question

<b>Q2</b>	If the interface is renewed and changed, will this facilitate your using of the application?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> <li>• Neutral</li> </ul>	Multiple choices question
<b>Q3</b>	What would you suggest to improve the app, to make it easier for you to use?	---	Open question

### 3.2. Piloting of the draft questionnaire

No.	Question	Expected answers	Type	Justification
a. User characteristics				
Q3	Job	<ul style="list-style-type: none"><li>Employee</li><li>Student</li><li>Other</li></ul>	Multiple choices question	We added this to help us when we build the Persona
b. Application use				
Q1	The purpose of using this application (El-Mohafez)	<ul style="list-style-type: none"><li>Saving Qur'an</li><li>Saving Hadiths</li><li>Saving Mutoon</li><li>Other</li></ul>	Checkbox question	The question is reformulated in a more clear way.
Q1	What is your purpose of using this application (El-Mohafez)?	<ul style="list-style-type: none"><li>Saving Qur'an</li><li>Saving Hadiths</li><li>Saving Mutoon</li><li>Other</li></ul>	Checkbox question	
c. The context of use of the application				
Q2	What is the time period in which you prefer to use this application?	<ul style="list-style-type: none"><li>07:00 AM - 12:00 PM</li><li>01:00 PM - 06:00 PM</li><li>07:00 PM - 12:00 AM</li><li>01:00 AM - 06:00 AM</li></ul>	Multiple choices question	For this question, it has been suggested to replace time periods with "before or after the prayer, in the middle of the night, when I'm waiting for something,... etc". But we preferred to keep the time periods

Q2	What is the time period in which you prefer to use this application?	<ul style="list-style-type: none"> <li>• 07:00 AM - 12:00 PM</li> <li>• 01:00 PM - 06:00 PM</li> <li>• 07:00 PM - 12:00 AM</li> <li>• 01:00 AM - 06:00 AM</li> </ul>	Checkbox question	<p>because they are most comprehensive, and if we follow the proposed solution, we may get a long list of expected answers that cannot be placed in a single chart in a clear way. But we changed the question type from multiple choices to checkbox question.</p> <p>So that people who use the app multiple periods can choose all the periods they want.</p>
d. Current user experience and satisfaction with the application				
Q3	If yes, what prompted you to use the other apps?	<ul style="list-style-type: none"> <li>• There are some disadvantages to this application</li> <li>• This app has many functions and it is difficult to remember where and how to access them</li> <li>• This app is not responding in the correct way</li> <li>• The application interface is uncomfortable</li> </ul>	Checkbox question	<p>We added here option "Other" for two reasons:</p> <p>1- There may be other defects or problems that we did not pay attention to before.</p> <p>2- Using another application does not necessarily mean that there is a defect or problem in the first application.</p>
Q3	If yes, what prompted you to use the other apps?	<ul style="list-style-type: none"> <li>• There are some disadvantages to this application</li> <li>• This app has many functions and it is difficult to remember where and how to access them</li> </ul>	Checkbox question	

		<ul style="list-style-type: none"> <li>• This app is not responding in the correct way</li> <li>• The application interface is uncomfortable</li> <li>• Other</li> </ul>		
Q11		<ul style="list-style-type: none"> <li>• 1- Listening to the reciter -2- Listening to the recording -3- Recording the voice</li> <li>• 1- Recording the voice -2- Listening to the reciter -3- Listening to the recording</li> <li>• 1- Listening to the recording -2- Recording the voice -3- Listening to the reciter</li> <li>• I do not know</li> </ul>	Multiple choices question	
Q11	 <p>What do the icons in this image mean?</p>	<ul style="list-style-type: none"> <li>• 1- Listening to the reciter -2- Listening to the recording -3- Recording the voice</li> <li>• 1- Recording the voice -2- Listening to the reciter -3- Listening to the recording</li> <li>• 1- Listening to the recording -2- Recording the voice -3- Listening to the reciter</li> <li>• I do not know</li> </ul>	Multiple choices question	We changed the picture to more clear one.

Q13	Do the icons give you a clear meaning of how to use them?	<ul style="list-style-type: none"><li>• Yes</li><li>• No</li></ul>	Multiple choices question	We have deleted the Q13 from the first version of the questionnaire and kept the next question Q14 because it is more general and can include Q13, so it can be said that we combined Q13 & Q14 together in Q13 in the final version.
Q14	How well do you know the functionality of icons within this app?  When you see an icon or button in the application, can you know the purpose of this icon or button, or how to use it?	Linear scale from 1 to 5 where 1 is considered a little and 5 is “I know all the functions”	Linear scale question	
Q13	How well do you know the functionality of icons within this app?  When you see an icon or button in the application, can you know the purpose of this icon or button, or how to use it?	Linear scale from 1 to 5 where 1 is considered a little and 5 is “I know all the functions”	Linear scale question	
e. Design improvements				
Q2	If the interface is renewed and changed, will this facilitate your using of the application?	<ul style="list-style-type: none"><li>• Yes</li><li>• No</li><li>• Neutral</li></ul>	Multiple choices question	The choices of the question are reformulated in a more clear way.
Q2	If the interface is renewed and changed, will this facilitate your using of the application?	<ul style="list-style-type: none"><li>• Yes</li><li>• No</li><li>• Maybe</li></ul>	Multiple choices question	



### 3.3. Preparation of a final questionnaire/ interview after the pilot test

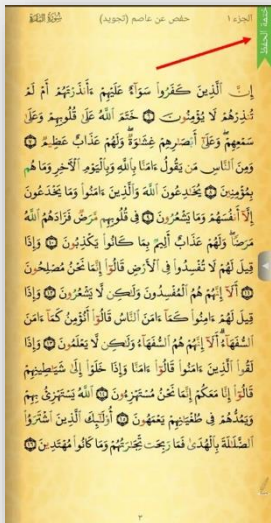
No.	Question	Expected answers	Type
<b>f. User characteristics</b>			

<b>Q1</b>	Age	<ul style="list-style-type: none"> <li>• Less than 13 years old</li> <li>• From 13 to 19 years old</li> <li>• From 20 to 39 years old</li> <li>• From 40 to 60 years old</li> <li>• Over than 60 years old</li> </ul>	Multiple choices question
<b>Q2</b>	Educational level	<ul style="list-style-type: none"> <li>• Elementary school</li> <li>• Middle school</li> <li>• High school</li> <li>• University</li> <li>• Other</li> </ul>	Multiple choices question
<b>Q3</b>	Job	<ul style="list-style-type: none"> <li>• Employee</li> <li>• Student</li> <li>• Other</li> </ul>	Multiple choices question
<b>Q4</b>	How do you evaluate your ability to use technology and keep up with its developments?	Linear scale from 1 to 5 where 1 is considered a beginner and 5 is an expert	Linear scale question
<b>g. Application use</b>			
<b>Q1</b>	What is your purpose of using this application (El-Mohafez)?	<ul style="list-style-type: none"> <li>• Saving Qur'an</li> <li>• Saving Hadiths</li> <li>• Saving Mutoon</li> <li>• Other</li> </ul>	Checkbox question
<b>h. The context of use of the application</b>			
<b>Q1</b>	Where are you usually when using this app?	<ul style="list-style-type: none"> <li>• At home</li> <li>• At work</li> <li>• Other</li> </ul>	Multiple choices question
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<b>i. Current user experience and satisfaction with the application</b>			
<b>Q2</b>	What are the features of this application(El-Mohafez)	<ul style="list-style-type: none"> <li>• Easy and clear to use</li> <li>• Comfortable to use</li> <li>• The presence of many and varied services</li> <li>• The way to use it is easy to remember always</li> <li>• Other</li> </ul>	Checkbox question

<b>Q2</b>	Do you use other applications to save Quran, Hadiths, Mutoon?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q3</b>	If yes, what prompted you to use the other apps?	<ul style="list-style-type: none"> <li>• There are some disadvantages to this application</li> <li>• This app has many functions and it is difficult to remember where and how to access them</li> <li>• This app is not responding in the correct way</li> <li>• The application interface is uncomfortable</li> <li>• Other</li> </ul>	Checkbox question
<b>Q4</b>	Are the application instructions clear? Or did you need other resources to understand the application?	<ul style="list-style-type: none"> <li>• Yes, clear</li> <li>• No, it is not clear, and I tried to guess and test to know how to use</li> <li>• No, it is not clear, and I needed other resources to know how to use</li> </ul>	Multiple choices question
<b>Q5</b>	Do you use the application on more than one device (Galaxy, iPhone, iPad, tablet, ... etc.)?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q6</b>	If the previous answer is yes, have you faced difficulties or problems due to the differences in the interfaces or differences in way of using in some places?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q7</b>	Are the application colors consistent and comfortable?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	Multiple choices question
<b>Q8</b>	How easy is the application to use?	Linear scale from 1 to 7 where 1 is considered an easy and 7 is a difficult	Linear scale question



Q9	Is the size of the icons is suitable?	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> <li>• Some are suitable and some are not</li> </ul>	Multiple choices question
Q10	 <p>What does the circle indicate in these photos?</p>	<ul style="list-style-type: none"> <li>• Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)</li> <li>• Percentage of parts (quarter part, half part, ... etc)</li> <li>• Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)</li> <li>• I do not know</li> </ul>	Multiple choices question
Q11		<ul style="list-style-type: none"> <li>• 1- Listening to the reciter -2- Listening to the recording -3- Recording the voice</li> <li>• 1- Recording the voice -2- Listening to the reciter -3- Listening to the recording</li> <li>• 1- Listening to the recording -2- Recording the voice -3- Listening to the reciter</li> <li>• I do not know</li> </ul>	Multiple choices question

	What do the icons in this image mean?		
Q12	 <p>What do you know about the bookmark?</p>	<ul style="list-style-type: none"> <li>One separator (bookmark)</li> <li>A number of similar separators (bookmarks)</li> <li>Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)</li> <li>I do not know</li> </ul>	Multiple choices question
Q14	<p>How well do you know the functionality of icons within this app?</p> <p>When you see an icon or button in the application, can you know the purpose of this icon or button, or how to use it?</p>	Linear scale from 1 to 5 where 1 is considered a little and 5 is "I know all the functions"	Linear scale question
j. Design improvements			
Q1	What is the most thing you want to improve on the (El-Mohafez) application?	<ul style="list-style-type: none"> <li>Fonts</li> <li>Icons</li> <li>Colors</li> <li>Lists</li> </ul>	Checkbox question
Q2	If the interface is renewed and changed, will this facilitate your using of the application?	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> <li>Maybe</li> </ul>	Multiple choices question

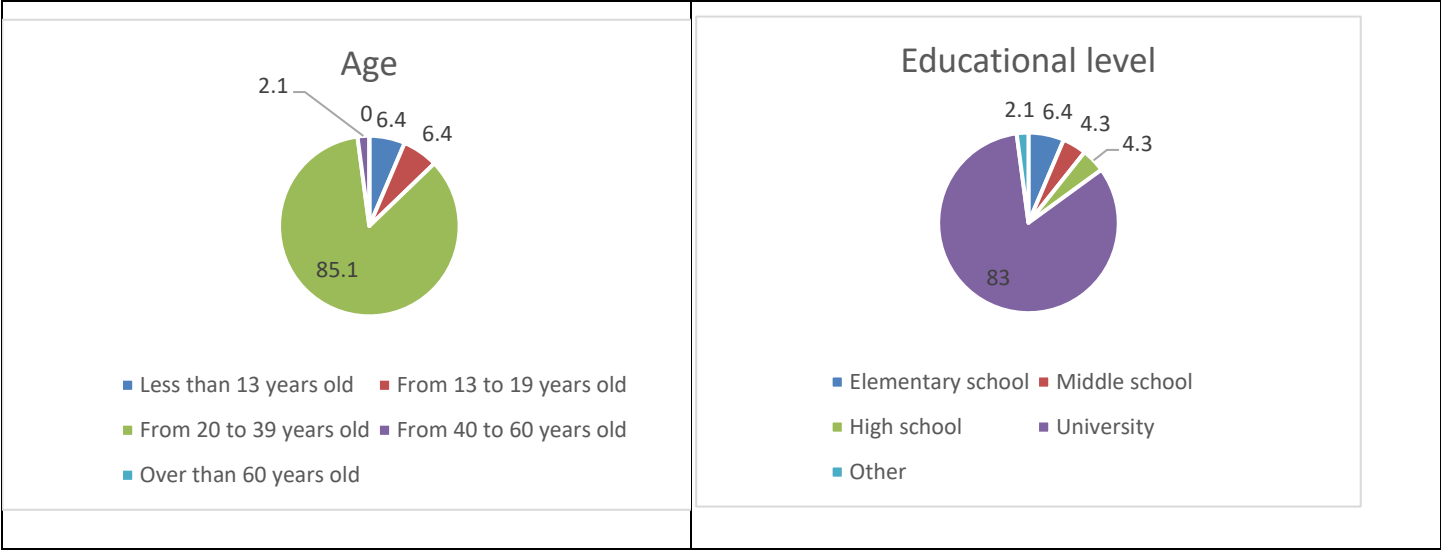
<b>Q3</b>	What would you suggest to improve the app, to make it easier for you to use?	---	Open question
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### 3.4. Collected data

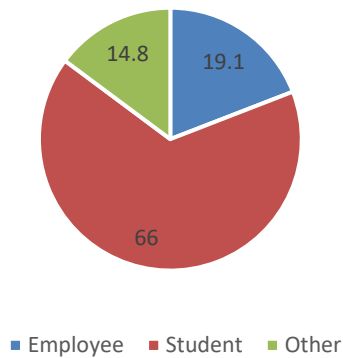
Because we have 23 questions, we divided them into four tables. Each table contains six questions, except for the last table, which contains only five questions. And this is to make the reading easy.

And because we got 48 responses, which is a rather large number, so we transferred the responses to the appendix section.

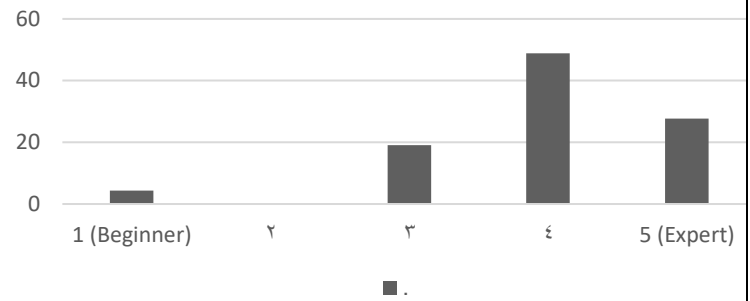
### 3.5. Data Analysis



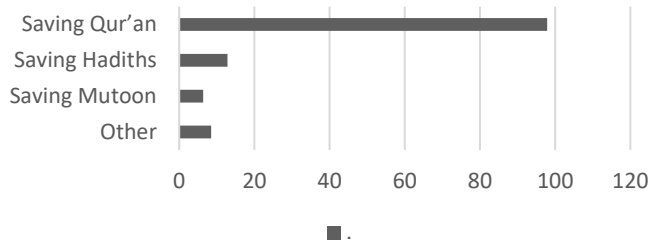
### Job



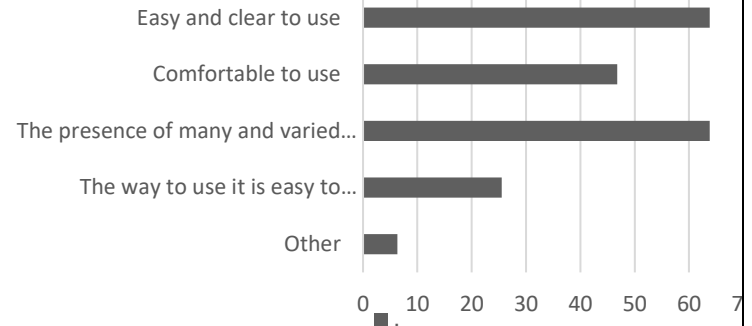
### How do you evaluate your ability to use technology and keep up with its developments?



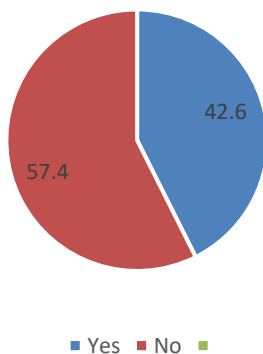
### What is your purpose of using this application (El-Mohafez)?



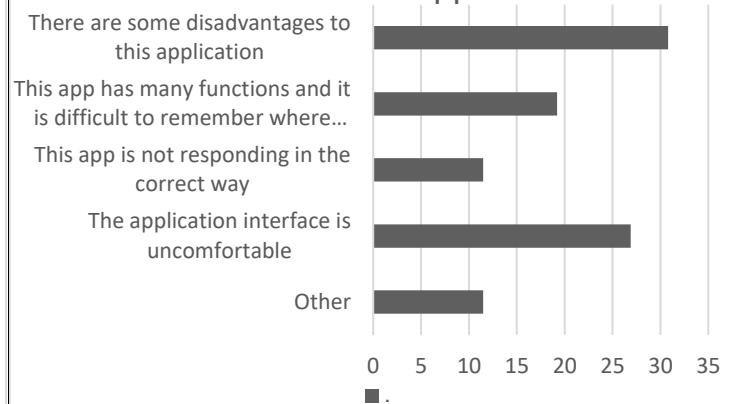
### What are the features of this application(El-Mohafez)



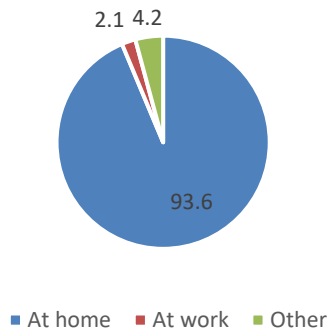
### Do you use other applications to save Quran, Hadiths, Mutoon?



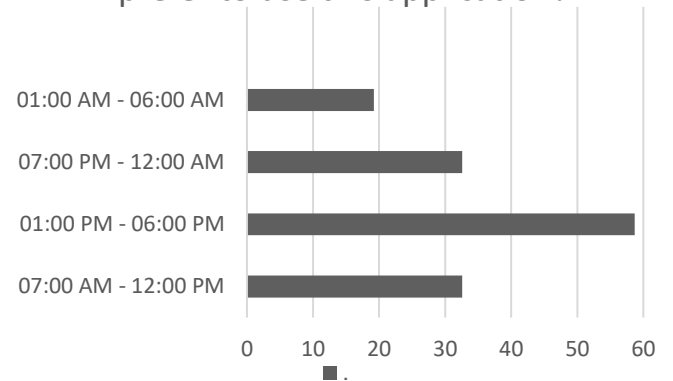
### If yes, what prompted you to use the other apps?



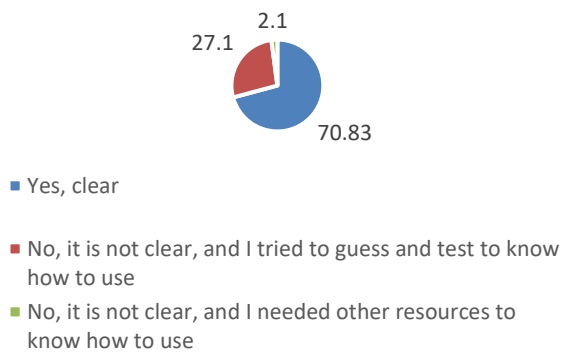
Where are you usually when using this app?



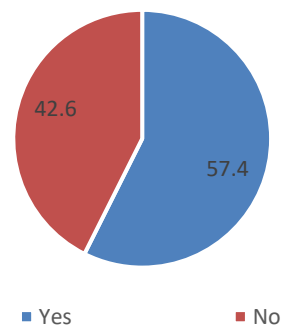
What is the time period in which you prefer to use this application?



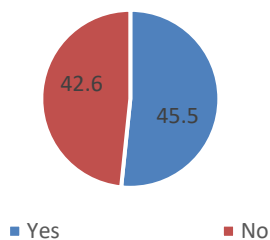
Are the application instructions clear? Or did you need other resources to understand the application?



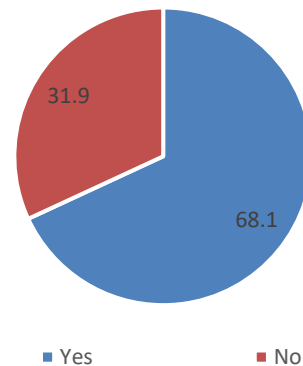
Do you use the application on more than one device (Galaxy, iPhone, iPad, tablet, ... etc.)?



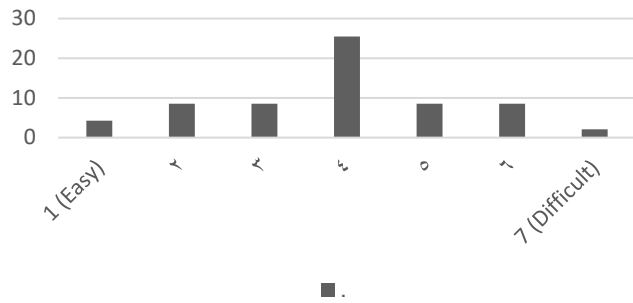
If the previous answer is yes, have you faced difficulties or problems due to the differences in the interfaces or differences in way of using in some places?



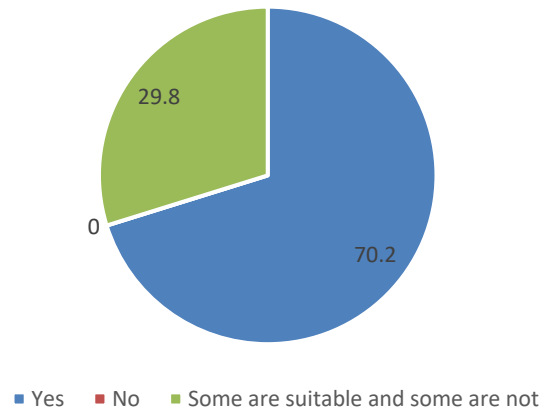
Are the application colors consistent and comfortable?



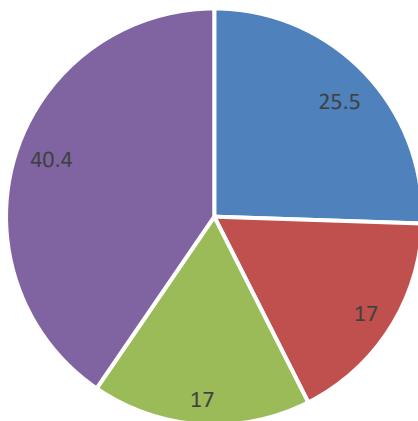
### How easy is the application to use?



### Is the size of the icons is suitable?

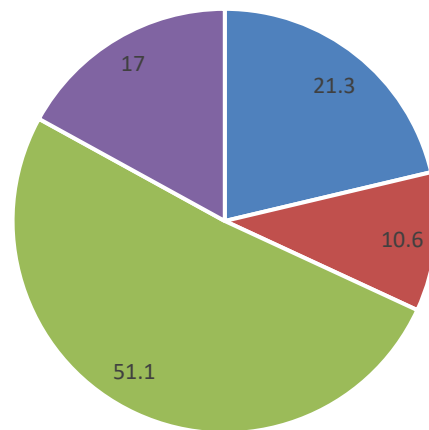


### What does the circle indicate in these photos?



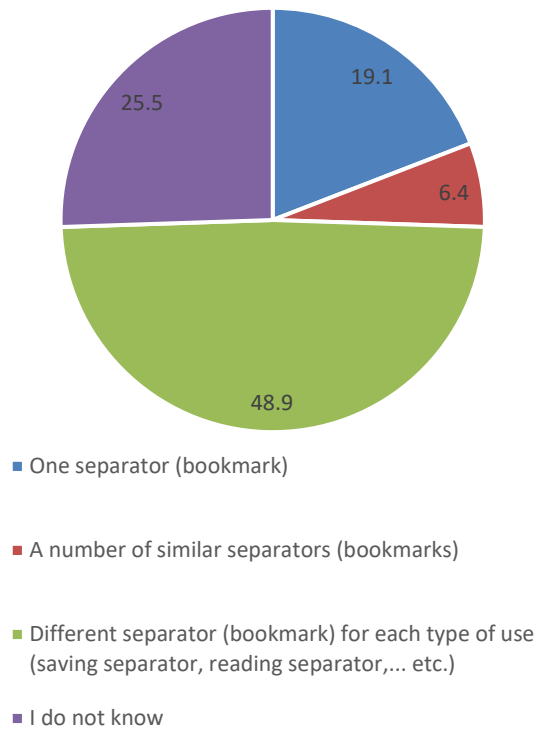
- Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)
- Percentage of parts (quarter part, half part, ... etc)
- Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)
- I do not know

### What do the icons in this image mean?

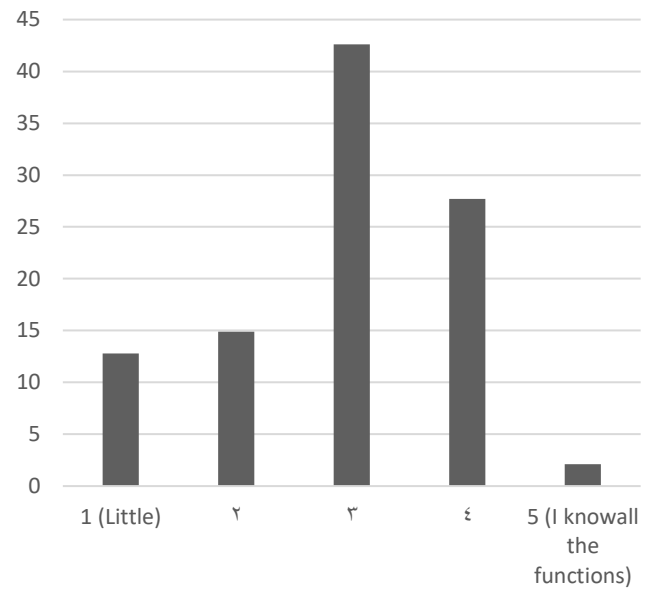


- 1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
- 1- Recording the voice -2- Listening to the reciter -3- Listening to the recording
- 1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
- I do not know

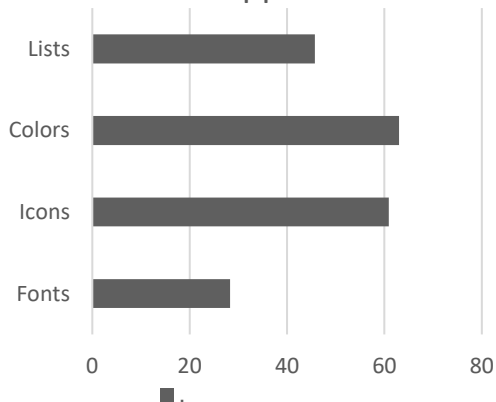
### What do you know about the bookmark?



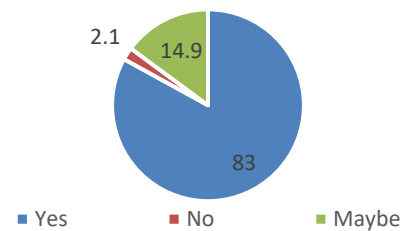
### How well do you know the functionality of icons within this app?



### If yes, what prompted you to use the other apps?



### If the interface is renewed and changed, will this facilitate your using of the application?



### 3.6. Results summary

As is clear to us from the results of the survey, the majority of responder have explained their opinion about the interface of the program as impractical and needs improvement. The results also indicate that most responders face problems using the application, even if they say that they are well aware of it, they incorrectly answered some of the survey questions about the interface. Therefore, we will focus on how to simplify the interface and its components in order to make them use the application in a smoother way and prevent them from making mistakes in the future.

## 4. Establishing Requirements

### 4.1 Persona



Samar Ahmad

21

Female

Jeddah, KSA

University student

A university student living with her family in the city of Jeddah

She loves social life, but she always prefers to accomplish her tasks alone, so she is always looking for a way to be able to memorize the Qur'an without relying on anyone.

She prefers to use her break times while she is at home in a beneficial way, such as memorizing the Qur'an because she does not have enough time to go to the Quran memorization courses.

Always prefer to use applications to get things done quickly and more efficiently.

### 4.2 Requirements

**R1.** The system should have an interface that all its elements are arranged in a way that it is easy to access them all.



- R2.** The interface of the system should contain colors that are comfortable to the eyes, using a light background with dark writing.
- R3.** The interface icons should be simple, expressive, affordance, not difficult to understand.

## 5. Prototyping

### 5.1. Prototyping tool


We designed the interfaces in a high-fidelity prototyping method using Figma, if you want to see the interfaces clearly and interact with them effectively, scan this barcode.



Figure 2: Barcode for Prototype

### 5.2. Prototype Interfaces

The following table shows a comparison of interfaces before and after improvement, as well as the most significant enhancements.

The colors were changed to a more comfortable color for eyes and the number of buttons decreased to 5 instead of 6, which was put (Contact Us) in the settings.	
<div>  </div>	
Make the settings in the main interface general settings only, and the special settings within its section.	

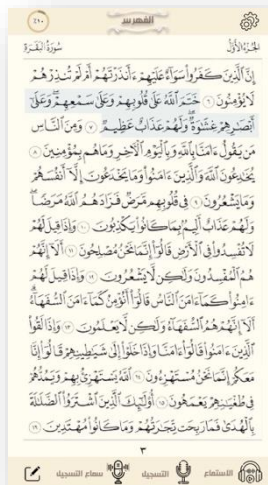


The icons were changed, and we've added labels to the icons that are similar to make them clearer.

Improve the distribution of icons, and some icons have been removed where it is sufficient to position them in the settings, or when they appear with such gestures, such as the "share" that appears when the user presses down on an Ayah for a long time.



Change the highlighter color to make the reading easier on the eyes.



Placing the book cover to make it easier for the user to differentiate between books and to give it a more library-like appearance.

Improvements to the progress button, which now changes with the user's progress.



## 6. Usability Testing

### 6.1. Participants

Participant #	Age	Description
1	20	Medical student who has a smartphone but never used this app before.
2	15	Intermediate school student who has a smartphone and familiar with this app.
3	9	Primary student who has a iPad but never used this app before.
4	21	Computer Science student who has a smartphone and familiar with this app
5	21	Computer Science student who has a smartphone and not familiar with this app
6	21	Computer Science student who has a smartphone and use this app before.
7	20	Computer Science student who has a smartphone and familiar with this app
8	19	Law student who has a iPad and familiar with this app.

### 6.2. Testing Environment

The testing was conducted online while participants in their home using their smart phones or tablets to test the prototype for the new interface. Users were asked to record the screen while they test the prototype to use it later in the evaluation step

### 6.3. User Tasks

Users were given 5 minutes to explore the prototype. After that they have to complete list of tasks to measure the usability goals and user experience for the new interface.

#### Tasks:

**Task1:** go to the general setting of the app.

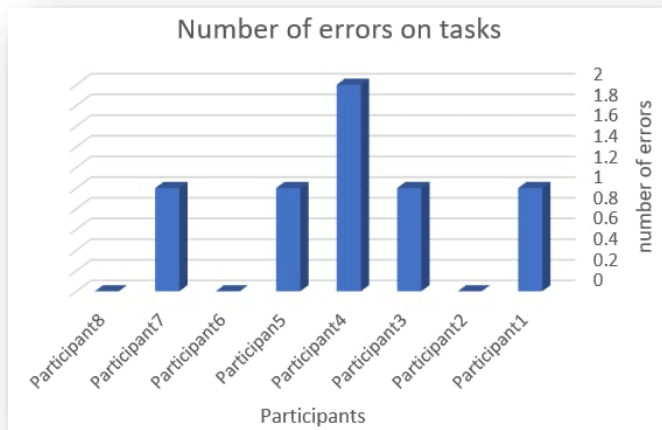
**Task2:** go to al-Qur'an then choose Aya number 7 then click record button to Record Al-Aya you want to memorize and then click on it again to hear recorded voice to make sure that you have memorized Al-Aya, then choose the check mark to confirm memorization or the X mark to repeat it later.

**Task3:** go to Al-Hadeeth then choose Sahih Al-Bukhari

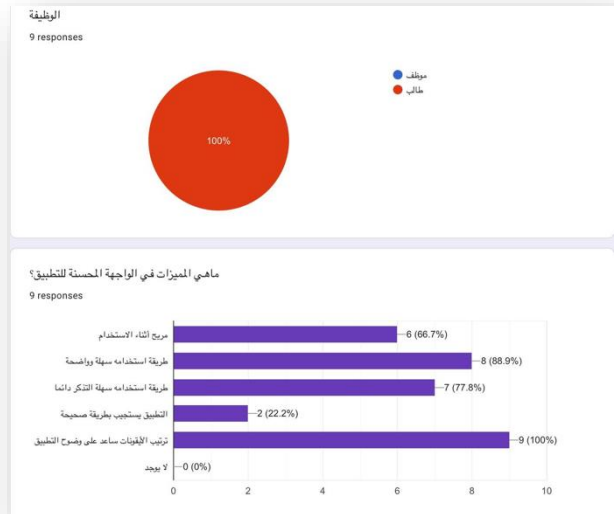
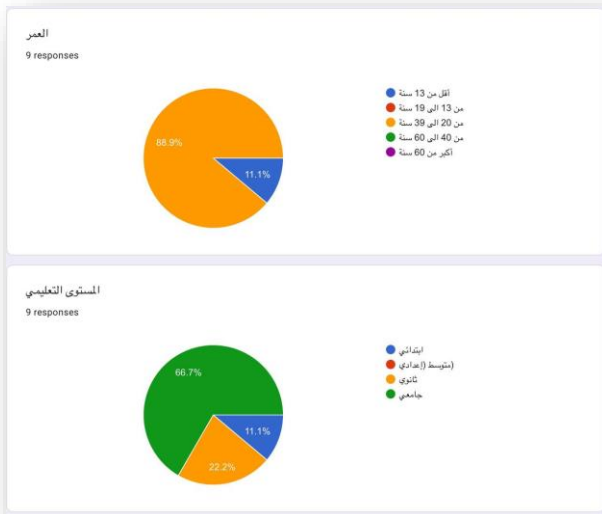
**Task4:** go to Al-Muton.

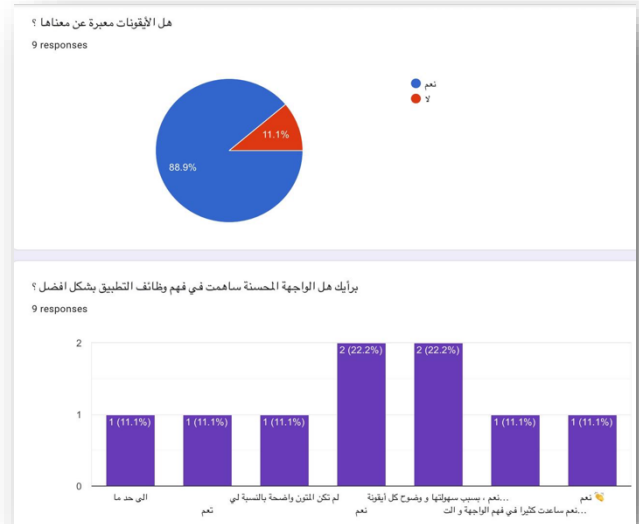
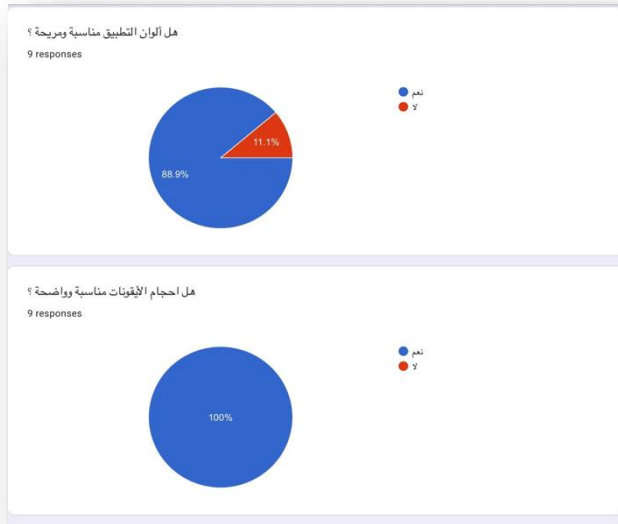
### 6.4. Evaluation

After the users completed the tasks on the interface, we noticed that the time to complete the tasks was acceptable as the interface was clear to them, and also the percentage to falling into errors was minimal. Here we show the results for testing .



Using a short questionnaire, we obtained user opinions about the improved interface of the app. Here we show the results .





Therefore, at the end of the test , we recommend making a slight improvement to the interface in the future, by making each buttons work by pressing its name rather than its icon , to avoid errors.

## Bibliography:

- [1] Jenny Preece , Helen Sharp, Yvonne Rogers, Interaction Design, UK: Wiley, 2015.
- [2] [Online]. Available: <https://www.elmohafez.com>.
- [3] "User Interface Design Basics," [Online]. Available: <https://www.usability.gov/what-and-why/user-interface-design.html>.

## Appendix

Age	Educational level	Job	How do you evaluate your ability to use technology and keep up with its developments?	What is your purpose of using this application (El-Mohafez)?	What are the features of this application(El-Mohafez)
From 20 to 39 years old	University	Employee	3	Saving Qur'an	Easy and clear to use
From 20 to 39 years old	University	Employee	3	Saving Qur'an	Easy and clear to use
From 20 to 39 years old	University	Student	5	Saving Qur'an Reading Qur'an, Hadiths, and Mutoo	The presence of many and varied services
From 20 to 39 years old	University	Student	4	Saving Qur'an	The presence of many and varied services
From 20 to 39 years old	University	Student	4	Saving Qur'an	Comfortable to use The presence of many and varied services
From 20 to 39 years old	University	Student	5	Saving Qur'an Reading Qur'an, Hadiths, and Mutoon	Easy and clear to use Comfortable to use The presence of many and varied services
From 20 to 39 years old	University	Student	4	Saving Qur'an Saving Hadiths	Easy and clear to use Comfortable to use
From 20 to 39 years old	University	Employee	4	Saving Mutoon	Easy and clear to use Comfortable to use The presence of many and varied services The way to use it is easy to remember always
From 40 to 60 years old	University	Employee	3	Saving Qur'an	Easy and clear to use Comfortable to use
From 20 to 39 years old	University	Student	5	Saving Qur'an Saving Mutoon	Easy and clear to use Comfortable to use



					The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Unemployed	4	Saving Qur'an	Easy and clear to use Comfortable to use The presence of many and varied services
<b>From 20 to 39 years old</b>	Elementary school	Student	5	Saving Qur'an	Easy and clear to use
<b>From 20 to 39 years old</b>	University	Job Seeker	4	Saving Qur'an	Easy and clear to use
<b>Less than 13 years old</b>	Pre-school	Student	1	Saving Qur'an	Easy and clear to use
<b>From 20 to 39 years old</b>	University	Student	5	Saving Qur'an Reading Qur'an, Hadiths, and Mutoon	The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Unemployed	4	Saving Qur'an	Easy and clear to use The presence of many and varied services The way to use it is easy to remember always
<b>From 20 to 39 years old</b>	University	Student	5	Saving Qur'an	Easy and clear to use Comfortable to use The presence of many and varied services The way to use it is easy to remember always
<b>From 20 to 39 years old</b>	University	Student	4	Saving Qur'an	The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Student	4	Saving Qur'an	The presence of many and varied services
<b>Less than 13 years old</b>	Elementary school	Student	3	Saving Qur'an Saving Hadiths	Comfortable to use The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Student	4	Saving Qur'an	The presence of many and varied services
<b>From 20 to 39 years old</b>	High school	Student	5	Saving Qur'an	Easy and clear to use Comfortable to use

					The way to use it is easy to remember always
<b>From 20 to 39 years old</b>	University	Student	1	Saving Qur'an	The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Student	4	Saving Qur'an	Comfortable to use The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Student	3	Saving Qur'an	Providing a voice recording feature and hear it
<b>From 20 to 39 years old</b>	University	Student	4	Saving Qur'an	The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Student	5	Saving Qur'an	Easy and clear to use Comfortable to use The presence of many and varied services The way to use it is easy to remember always
<b>From 20 to 39 years old</b>	University	Student	5	Saving Qur'an Saving Mutoon Revising the Qur'an with a recitation other than Hafss	Easy and clear to use Comfortable to use The presence of many and varied services Providing the Holy Quran with its ten recitations
<b>From 20 to 39 years old</b>	University	Student	3	Saving Qur'an	Easy and clear to use  Comfortable to use  The presence of many and varied services  The way to use it is easy to remember always
<b>From 20 to 39 years old</b>	High school	Employee	4	Saving Qur'an	The presence of many and varied services

<b>From 20 to 39 years old</b>	University	Employee	4	Saving Qur'an	<p>Easy and clear to use</p> <p>Comfortable to use</p> <p>The presence of many and varied services</p> <p>The way to use it is easy to remember always</p>
<b>From 20 to 39 years old</b>	University	Student	4	Saving Qur'an Saving Hadiths	<p>Easy and clear to use</p> <p>Comfortable to use</p>
<b>From 40 to 60 years old</b>	Middle school	Employee	3	Saving Qur'an	<p>Comfortable to use</p> <p>The presence of many and varied services</p>
<b>From 20 to 39 years old</b>	University	Employee	5	Saving Qur'an Saving Hadiths	<p>Easy and clear to use</p> <p>Comfortable to use</p> <p>The presence of many and varied services</p> <p>The way to use it is easy to remember always</p>
<b>From 20 to 39 years old</b>	University	Student	3	Saving Qur'an	<p>Easy and clear to use</p> <p>Comfortable to use</p> <p>The presence of many and varied services</p>

					The way to use it is easy to remember always
<b>From 13 to 19 years old</b>	Middle school	Student	4	Saving Qur'an	Comfortable to use  The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Student	4	Saving Qur'an	Easy and clear to use
<b>From 20 to 39 years old</b>	University	Employee	5	Saving Qur'an	Easy and clear to use
<b>From 13 to 19 years old</b>	Middle school	Student	4	Saving Qur'an	Comfortable to use  The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Job seeker	4	Saving Qur'an	Easy and clear to use
<b>From 13 to 19 years old</b>	University	Student	3	Saving Qur'an Saving Hadiths	Easy and clear to use  The presence of many and varied services  The way to use it is easy to remember always
<b>From 20 to 39 years old</b>	University	Job seeker	4	Saving Qur'an	Easy and clear to use
<b>From 20 to 39 years old</b>	University	Student	5	Saving Qur'an	The presence of many and varied services  Select one word to hear it read aloud.
<b>From 20 to 39 years old</b>	University	Job seeker	4	Saving Qur'an	Easy and clear to use

<b>Less than 13 years old</b>	Elementary school	Student	3	Saving Qur'an Saving Hadiths	Comfortable to use  The presence of many and varied services
<b>From 20 to 39 years old</b>	University	Employee	4	Saving Qur'an	Easy and clear to use  Comfortable to use  The presence of many and varied services  The way to use it is easy to remember always
<b>From 20 to 39 years old</b>	University	Job seeker	4	Saving Qur'an	Easy and clear to use
<b>From 20 to 39 years old</b>	University	Student	5	Saving Qur'an	Easy and clear to use  The way to use it is easy to remember always

Do you use other applications to save Quran, Hadiths, Mutoon?	If yes, what prompted you to use the other apps?	Where are you usually when using this app?	What is the time period in which you prefer to use this application?	Are the application instructions clear? Or did you need other resources to understand the application?	Do you use the application on more than one device (Galaxy, iPhone, iPad, tablet, ... etc.)?
<b>Yes</b>	There are some disadvantages to this application	At home	01:00 PM - 06:00 PM	No, it is not clear, and I tried to guess and test to know how to use	Yes
<b>Yes</b>	There are some disadvantages to this application	At home	01:00 PM - 06:00 PM	No, it is not clear, and I tried to guess and test to know how to use	Yes
<b>Yes</b>	This app has many functions and it is difficult to remember where and how to access them	At home	07:00 PM - 12:00 AM 01:00 AM - 06:00 AM	No, it is not clear, and I tried to guess and test to know how to use	Yes

	<p>The application interface is uncomfortable</p> <p>I use the other app because it offers advantages in perfection the tajweed</p>				
Yes	<p>There are some disadvantages to this application</p> <p>This app has many functions and it is difficult to remember where and how to access them</p> <p>The application interface is uncomfortable</p>	At home	<p>07:00 AM - 12:00 PM</p> <p>07:00 PM - 12:00 AM</p>	No, it is not clear, and I tried to guess and test to know how to use	No
Yes	<p>There are some disadvantages to this application</p> <p>This app is not responding in the correct way</p> <p>The application interface is uncomfortable</p>	At home	<p>01:00 PM - 06:00 PM</p> <p>07:00 PM - 12:00 AM</p>	No, it is not clear, and I tried to guess and test to know how to use	No
No	This app is not responding in the correct way	At home	07:00 AM - 12:00 PM	Yes, clear	Yes
Yes	The application interface is uncomfortable	At home	07:00 AM - 12:00 PM	Yes, clear	No
Yes	As a kind of changing	out	<p>07:00 AM - 12:00 PM</p> <p>01:00 PM - 06:00 PM</p> <p>07:00 PM - 12:00 AM</p> <p>01:00 AM - 06:00 AM</p>	Yes, clear	No
Yes	I need another Quran to recite	At home	07:00 AM - 12:00 PM	Yes, clear	No



			01:00 PM - 06:00 PM		
Yes	There are concept maps to explain the Mutoon	At home	07:00 PM - 12:00 AM	Yes, clear	No
Yes	The application interface is uncomfortable	At home	01:00 AM - 06:00 AM	Yes, clear	No
Yes		At home		Yes, clear	Yes
No		At home	01:00 PM - 06:00 PM	Yes, clear	No
No		At home	01:00 PM - 06:00 PM 07:00 PM - 12:00 AM	Yes, clear	No
Yes	This app has many functions and it is difficult to remember where and how to access them  The application interface is uncomfortable  I use the other app because it offers advantages in perfection the tajweed	At home	07:00 PM - 12:00 AM 01:00 AM - 06:00 AM	No, it is not clear, and I tried to guess and test to know how to use	Yes
Yes		At work	01:00 AM - 06:00 AM	Yes, clear	Yes
Yes	I prefer the other app because it is so psychologically comfortable	At home	01:00 AM - 06:00 AM	Yes, clear	No
Yes	There are some disadvantages to this application	At home	07:00 AM - 12:00 PM	No, it is not clear, and I tried to guess and test to know how to use	Yes
Yes	There are some disadvantages to this application	At home	07:00 AM - 12:00 PM	No, it is not clear, and I tried to guess and test to know how to use	Yes
Yes	Almushaf Almadrasa app is very easy. It divides the interface into the saving and recitation	At home	01:00 PM - 06:00 PM 07:00 PM - 12:00 AM	No, it is not clear, and I tried to guess and test to know how to use	Yes

	required during the semester				
Yes	There is no option for the Quran with Tajweed	At home	01:00 PM - 06:00 PM	No, it is not clear, and I tried to guess and test to know how to use	No
No		At home	07:00 AM - 12:00 PM	Yes, clear	No
Yes	This app has many functions and it is difficult to remember where and how to access them	At home	01:00 PM - 06:00 PM	Yes, clear	No
Yes	There are some disadvantages to this application  This app is not responding in the correct way	At home	01:00 AM - 06:00 AM	Yes, clear	Yes
Yes	This app just for saving	At home	07:00 AM - 12:00 PM 01:00 PM - 06:00 PM 07:00 PM - 12:00 AM 01:00 AM - 06:00 AM	Yes, clear	Yes
Yes	There is no option for the Quran with Tajweed	At home	01:00 PM - 06:00 PM	No, it is not clear, and I tried to guess and test to know how to use	No
Yes	I prefer the other app because it is so psychologically comfortable	At home	01:00 AM - 06:00 AM	Yes, clear	No
Yes	In order to make it easier for me to open the page on which I paused during the reading	Anywhere	01:00 PM - 06:00 PM	Yes, clear	No
No		At home	07:00 AM - 12:00 PM 01:00 PM - 06:00 PM 07:00 PM - 12:00 AM 01:00 AM - 06:00 AM	Yes, clear	No
No		At home	07:00 AM - 12:00 PM, 01:00 PM - 06:00 PM,	Yes, clear	No



			07:00 PM - 12:00 AM, 01:00 AM - 06:00 AM		
No		At home	01:00 PM - 06:00 PM	Yes, clear	Yes
Yes	The application interface is uncomfortable	At home	07:00 PM - 12:00 AM	Yes, clear	No
No		At work	07:00 AM - 12:00 PM, 07:00 PM - 12:00 AM	No, it is not clear, and I needed other resources to know how to use	Yes
No		At home	07:00 AM - 12:00 PM	Yes, clear	No
No		At home	01:00 PM - 06:00 PM	Yes, clear	Yes
No		At home	07:00 AM - 12:00 PM, 01:00 PM - 06:00 PM, 07:00 PM - 12:00 AM, 01:00 AM - 06:00 AM	Yes, clear	No
No		At home	01:00 PM - 06:00 PM	Yes, clear	Yes
No		At home	07:00 AM - 12:00 PM	Yes, clear	No
No		At home	07:00 PM - 12:00 AM	Yes, clear	Yes
No		At home	01:00 PM - 06:00 PM	Yes, clear	Yes
No		At home	01:00 PM - 06:00 PM	Yes, clear	No
No		At home	01:00 PM - 06:00 PM	Yes, clear	Yes
Yes	There are some disadvantages to this application  This app has many functions and it is difficult to remember where and how to access them	At home	01:00 PM - 06:00 PM	Yes, clear	No
No		At home	07:00 AM - 12:00 PM, 01:00 PM - 06:00 PM, 07:00 PM - 12:00 AM	No, it is not clear, and I tried to guess and test to know how to use	No
Yes	The application of the "Moshaf	At home	01:00 PM - 06:00 PM	Yes, clear	No

	Madrasa" is very easy. The interface divides the memorization and recitation Surahs required during the term.				
No		At home	01:00 PM - 06:00 PM, 07:00 PM - 12:00 AM	No, it is not clear, and I tried to guess and test to know how to use	Yes
No		At home	07:00 AM - 12:00 PM	Yes, clear	Yes
No		At home	01:00 PM - 06:00 PM	Yes, clear	No

If the previous answer is yes, have you faced difficulties or problems due to the differences in the interfaces or differences in way of using in some places?	Are the application colors consistent and comfortable?	How easy is the application to use?	Is the size of the icons is suitable?		
				What does the circle indicate in these photos?	What do the icons in this image mean?
Yes	Yes		Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
No	No		No	Percentage of parts (quarter part, half part, ... etc)	1- Recording the voice -2- Listening to the reciter -3- Listening to the recording
			Some are suitable and some are not	Percentage of hezbs (a quarter	

				of a hezb, half of a hezb, ... etc)  I do not know	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter  I do not know
Yes	Yes	1	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
Yes	Yes	1	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
No	No	4	Some are suitable and some are not	I do not know	I do not know
	No	4	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	No	4	Some are suitable and some are not	Percentage of parts (quarter part, half part, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
Yes	No	3	Yes	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	1- Recording the voice -2- Listening to the reciter -3- Listening to the recording
	No	3	Some are suitable and some are not	Percentage of parts (quarter part, half part, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	6	Yes	I do not know	1- Recording the voice -2- Listening to the reciter -3-

					Listening to the recording
	Yes	7	Yes	I do not know	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
No	No	4	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
	No	2	Some are suitable and some are not	I do not know	I do not know
No	Yes	1	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Recording the voice -2- Listening to the reciter -3- Listening to the recording
	Yes	1	Yes	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	1	Yes	I do not know	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
No	No	4	Some are suitable and some are not	I do not know	I do not know
Yes	Yes	6	Yes	I do not know	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
	Yes	4	Yes	I do not know	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice

Yes	No	4	Some are suitable and some are not	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
Yes	No	4	Some are suitable and some are not	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
Yes	Yes	4	Some are suitable and some are not	I do not know	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	No	5	Some are suitable and some are not	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	I do not know
	Yes	1	Yes	Percentage of parts (quarter part, half part, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	2	Yes	I do not know	I do not know
Yes	No	3	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
No	Yes	5	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	No	5	Some are suitable and some are not	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	I do not know
	Yes	4	Yes	I do not know	1- Listening to the reciter -2- Listening to the

					recording -3- Recording the voice
	Yes	1	Yes	I do not know	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	1	Yes	I do not know	1- Recording the voice -2- Listening to the reciter -3- Listening to the recording
<b>No</b>	No	5	Yes	I do not know	1- Recording the voice -2- Listening to the reciter -3- Listening to the recording
	Yes	1	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Recording the voice -2- Listening to the reciter -3- Listening to the recording
	No	3	Some are suitable and some are not	Percentage of parts (quarter part, half part, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
<b>No</b>	No		Some are suitable and some are not	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
<b>No</b>	Yes	1	Yes	Percentage of parts (quarter part, half part, ... etc)	I do not know
	Yes	1	Yes	I do not know	1- Listening to the recording -2- Recording the voice -3-

					Listening to the reciter
<b>No</b>	Yes	6	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
<b>No</b>	Yes	2	Yes	Percentage of parts (quarter part, half part, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
<b>No</b>	Yes	2	Yes	I do not know	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
<b>No</b>	Yes	6	Yes	Percentage of saving (saving a quarter of the Qur'an, saving half of the Qur'an, etc.)	1- Listening to the reciter -2- Listening to the recording -3- Recording the voice
	Yes	1	Yes	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
<b>No</b>	Yes	1	Yes	Percentage of parts (quarter part, half part, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	1	Yes	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	4	Some are suitable and some are not	I do not know	1- Listening to the recording -2- Recording the voice -3-

					Listening to the reciter
	Yes	1	Yes	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
Yes	Yes	4	Some are suitable and some are not	I do not know	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
Yes	Yes	1	Yes	Percentage of parts (quarter part, half part, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	1	Yes	Percentage of hezbs (a quarter of a hezb, half of a hezb, ... etc)	1- Listening to the recording -2- Recording the voice -3- Listening to the reciter
	Yes	1	Some are suitable and some are not	I do not know	I do not know



How well do you know the functionality of icons within this app?

What is the most thing you want to improve on the (El-Mohafez) application?

If the interface is renewed and changed, will this facilitate your using of the application?

What would you suggest to improve the app, to make it easier for you to use?

What do you know about the bookmark?

One separator (bookmark)

Fonts

Yes



<p>A number of similar separators (bookmarks)</p> <p>Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)</p> <p>I do not know</p>		<p>Icons</p> <p>Colors</p> <p>Lists</p>	<p>No</p> <p>Maybe</p>	
One separator (bookmark)	1	Icons	Yes	
One separator (bookmark)	1	Icons	Yes	
One separator (bookmark)	3	<p>Icons</p> <p>Colors</p> <p>Lists</p>	Yes	The menus should be clear and easily accessible, and the application icons and their utility should be clarified
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	1	<p>Colors</p> <p>Lists</p>	Yes	Change the colors, use icons with a clearer meaning
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	3	<p>Fonts</p> <p>Icons</p> <p>Colors</p> <p>Lists</p>	Yes	<p>There must be an explanatory explanation when using the application for the first time so that it knows all the features and the presence of the help icon when needed.</p> <p>The ability to activate the night reading mode.</p>

				The application's response to commands is very slow. I hope to improve the speed of performance
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	3	Fonts	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	2	Fonts Colors	Yes	Add colors that comfortable to the eyes
One separator (bookmark)	5	Colors	Yes	
I do not know	2	Lists	Maybe	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Fonts Icons Colors	Maybe	
I do not know	1	Fonts Icons Colors Lists	Maybe	
I do not know	3		Maybe	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Icons	Yes	
I do not know	1	Colors	Yes	

<b>One separator (bookmark)</b>	3	Icons	Yes	The menus should be clear and easily accessible, and the application icons and their utility should be clarified
		Colors		
		Lists		
<b>Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)</b>	4	Colors	Maybe	
		Lists		
<b>Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)</b>	3	Fonts	Yes	
		Icons		
		Colors		
		Lists		
<b>I do not know</b>	3	Fonts	Yes	
		Icons		
		Colors		
		Lists		
<b>I do not know</b>	3	Fonts	Yes	
		Icons		
		Colors		
		Lists		
<b>I do not know</b>	2	Icons	Yes	
		Colors		

		Lists		
I do not know	3	Fonts Icons Colors	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	3	Colors	Yes	
I do not know	2	Colors	Yes	
One separator (bookmark)	4	Icons Colors	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	3	Colors	Yes	
I do not know	3	Fonts Icons Colors	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	3	Fonts Icons Colors Lists	Yes	
Different separator (bookmark) for each type of use (saving	2	Lists	Yes	The presence of Quran quarters and hezbs in the fahres

separator, reading separator,... etc.)				
A number of similar separators (bookmarks)	4	Lists	Yes	
A number of similar separators (bookmarks)	4	Lists	Yes	
One separator (bookmark)	3	Colors	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	3	Icons ,Colors ,Lists	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	2	Fonts ,Colors	Yes	Colors that are comfortable to the eye should be used.
One separator (bookmark)	4	Fonts, Icons, Lists	Maybe	Change the color used by pin and highlighter
I do not know	3	Fonts	Yes	
A number of similar separators (bookmarks)	4	Lists	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Icons ,Colors ,Lists	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Lists	Maybe	
Different separator (bookmark) for each type of use (saving separator,	3	Icons	Maybe	

reading separator,... etc.)				
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Icons ,Colors ,Lists	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Icons	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	1	Colors	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Icons	Yes	
One separator (bookmark)	3	Icons ,Colors ,Lists	Yes	
Different separator (bookmark) for each type of use (saving separator, reading separator,... etc.)	4	Icons	Yes	
I do not know	2	Icons ,Colors ,Lists	Yes	It becomes like a "Moshaf Madrasy", and motivational pictures are added, space is bigger and the colors are more appropriate.
A number of similar separators (bookmarks)	3	Icons	No	
Different separator (bookmark) for each type of use (saving separator,	4	Icons	Yes	

<b>reading separator,... etc.)</b>				
<b>One separator (bookmark)</b>	3	Icons	Yes	