

CHAPTER 6

USER MANUAL

GENERAL INFORMATION

The purpose of ClaritEar Mobile Application is to train people's hearing sensitivity in knowing the kind of tone or chord that is being played. With ClaritEar Mobile Application people could gain more knowledge about music chords. Also, this application could help people on becoming new musician.

System Overview

- Everyone can access overall application.
- The website and all its functionalities including the database for the ClaritEar Mobile Application will be hosted by IDHostinger and maintenance by team hamming.
- ClaritEar Mobile Application itself is a graphical user interface.
- As a user, they can choose the instrument that they wanted to play, and choose the correct answer based by the chord that was heard.
- The instrument's chord sound will be generated randomly on ClaritEar's database, and will be send to the application immediately.
- If a user experience some problems on the application, user can send comments and feedback to the Hamming team's e-mail through the ClaritEar Mobile Application and ClaritEar website.

Project References

- <http://www.nature.com/news/why-dissonant-music-strikes-the-wrong-chord-in-the-brain-1.11791>
- <http://listaka.com/top-10-most-difficult-musical-instruments/>
- <http://www.premierguitar.com/articles/19696-digging-deeper-how-many-chords-are-there>

Authorized Use Permission

All users have the ability to use the system functionalities of the mobile application. Access to the ClaritEar Mobile Application backend can only be accessed by the Hamming team.

Points of Contact

Information

Provide a list of the points of organizational contact (POCs) that may be needed by the document user for informational and troubleshooting purposes. Include type of contact, contact name, department, telephone number, and e-mail address (if applicable). Points of contact may include, but are not limited to, help desk POC, development/maintenance POC, and operations POC.

Muhamad Harist Refian Anwar (Team Leader and Designer):

-Email: haristrefiananwar9697@gmail.com.

Help Desk

Provide help desk information including responsible personnel phone numbers for emergency assistance.

Andira Rozawati (Team Member and Deliverables Control):

-Email: andira.rozawati@ui.ac.id.

Team Hamming :

-Email: claritear.contact.us@gmail.com

Organization of the Manual

1.0: General Information

This section contains general information about the ClaritEar Mobile Application, including the system overview, points of contact, project references, and acronyms and abbreviations

2.0: System Summary

This section is an overview of the functionality the ClaritEar Mobile Application contains in non-technical terminology.

3.0: Getting Started

This section contains the information to get started in using the ClaritEar Mobile Application.

4.0: Future Enhancements

This section contains the information about what could be added in the future to make the ClaritEar Mobile Application contain more functionality.

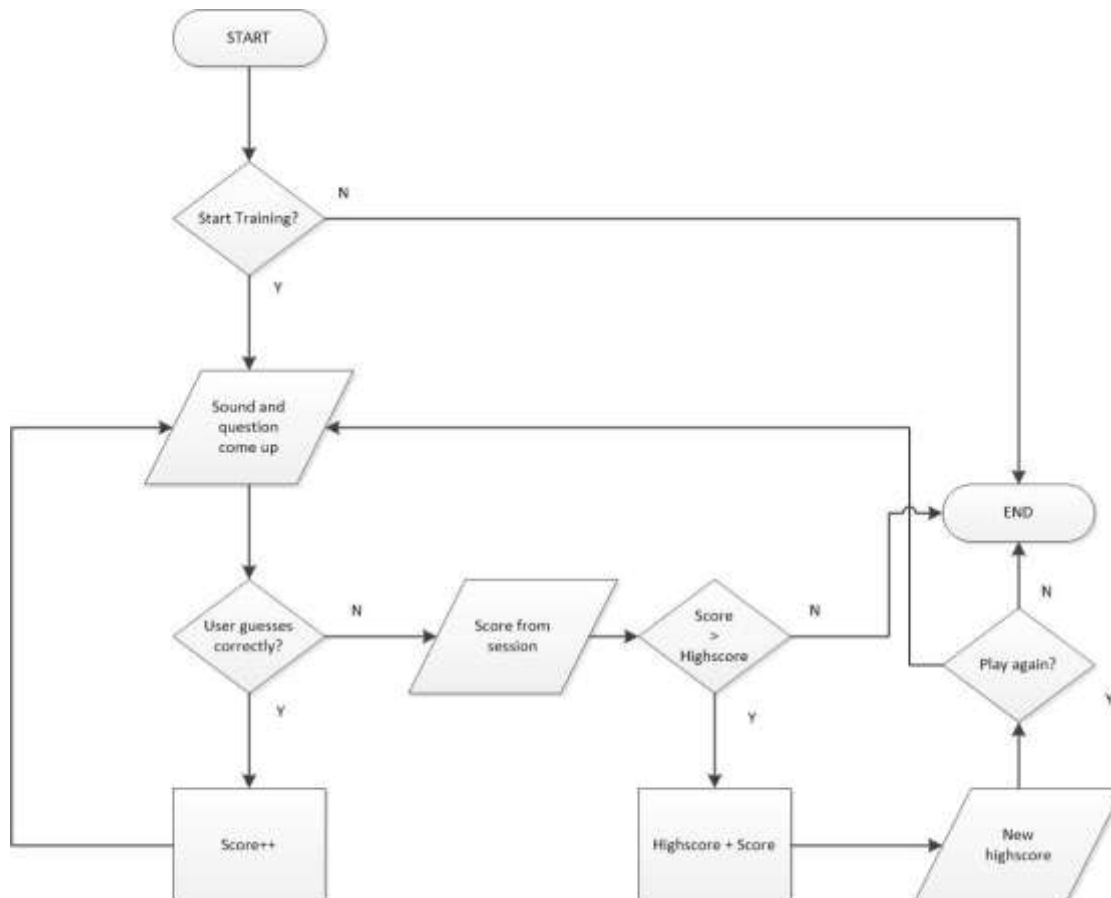
Acronyms and Abbreviations

ClaritEar – a mobile application that could train user's hearing sensitivity through the chord that is being played.

SYSTEM SUMMARY

System Configuration

Briefly describe and depict graphically the equipment, communications, and networks used by the system. Include the type of computer input and output devices.



User Access Levels

Administrator: The administrator for the ClaritEar mobile application shall be able to have access to ClaritEar database. Here, the administrator can remove or add different situation and sample question as needed. The administrator can delete situation and sample question from database.

User only get access to choose situation from the application. User also can get sample question from ClaritEar database based on the situation they choose by clicking generate button.

Contingencies and Alternate Modes of Operation

The PHP server is provided by idhostinger, thus they are the main caretakers of the system. If the system fails the information technology employees will do their best to get the server back up and running. Also idhostinger provide mysql database for generate input by user.

GETTING STARTED

First Display and Register Page

This is the first display when you open ClaritEar Mobile application. To access the application, users must register themselves (making new account). If the user already have an account, then the user can log in into the application.

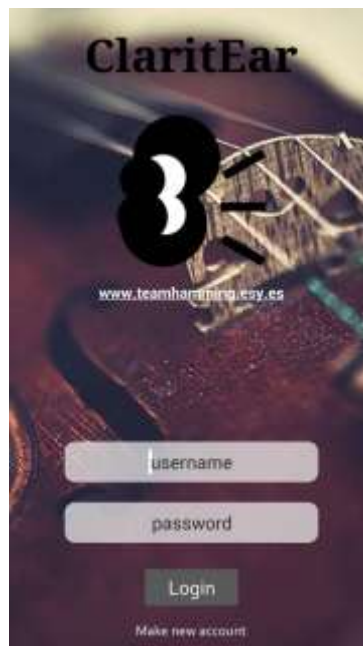


Fig. A. Main Page

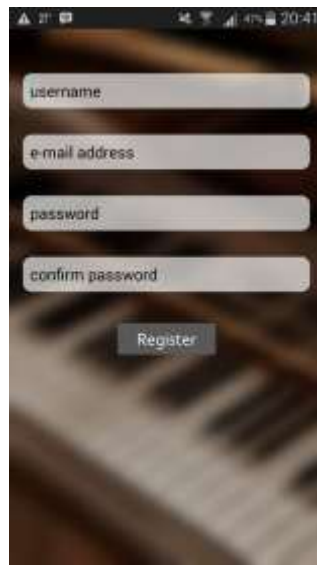
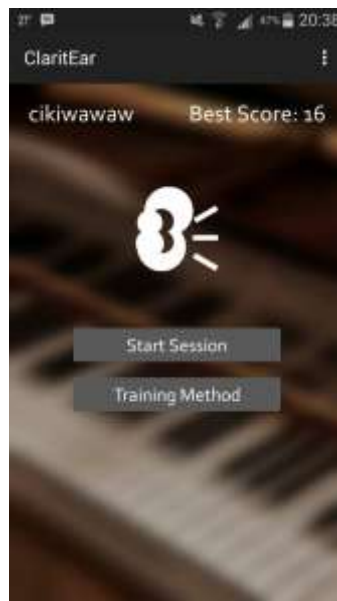
A screenshot of a mobile application's registration page. The background is a blurred image of a piano keyboard. The page features four text input fields stacked vertically, labeled 'username', 'e-mail address', 'password', and 'confirm password'. Below these fields is a 'Register' button. The top status bar shows the time as 20:41 and a battery level of 47%.

Fig. B. Register Page

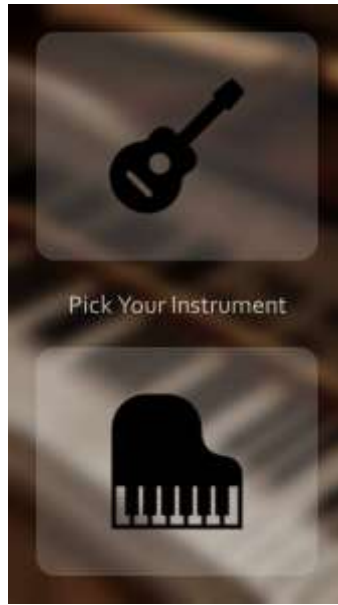
Main Page

After the user successfully enters into application using an account that has been made already, the user is now redirected to the main page, where users can start the tests session or conducting with training for advance.



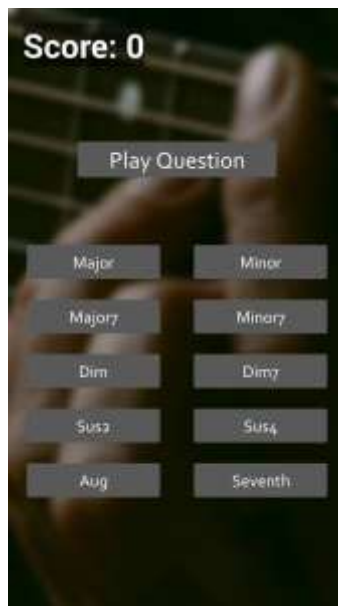
Choosing Instruments Page

In the choosing instruments page, users can choose one from many music instruments that they want to do the test. For now, we provide 2 music instruments, there are piano and guitar.



Test Page

After users choosing an instrument that they want to have a test with, now users redirected to the test page. In this page, users could press the “Play Question” button to hear the chord that is being played. If the users’s answer is correct , then the display will look like on the Fig. C. If the answer is wrong, then the display will look like on the Fig. D.



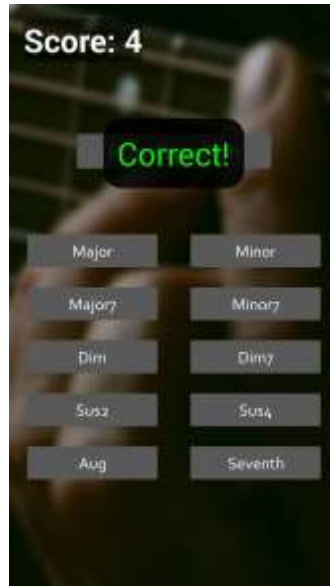


Fig. C. If the answer is correct.



Fig. D. If the answer is wrong.

FUTURE ENHANCEMENTS

Future Functionality

Music instruments and music's chords will be added and deleted to and from the ClaritEar database via the Administrator backend.

Similar Systems – Additional Functionality

- Updates for components – Each components developer provides frequent updates that may want to be downloaded and installed at a future date.
- Contact Us – user can give feedback or comment after using our application via our application by clicking contact us button.
- Information Button – To understand ClaritEar mobile application, user need to access help page and about us page in the application by clicking the button on the top of the layout.

Maintenance Capabilities

Possibilities for site automation could possibly be presets for the addition or deletion of music instruments and chords. Any other automation or improvements could be implemented with the addition of other various ClaritEar mobile application compatible components.

