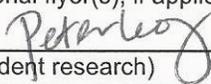


**Application for Exempt Status for Human Subjects Research  
University of Hawaii - Human Studies Program**

Please type the information below. Thank you.

|  |   |                   |                       |
|--|---|-------------------|-----------------------|
| Researcher name:   | <u>Adam K. Halemano, Jr.</u>  |                   |                       |
| Researcher email:  | <u>adam36@hawaii.edu</u>  | Researcher phone: | <u>(949) 701-6919</u> |
| Department:  | <u>Educational Technology (ETEC)</u>  | Campus:           | <u>Manoa</u>          |
| Status:  | <input type="checkbox"/> Faculty<br><input checked="" type="checkbox"/> Student<br><input checked="" type="checkbox"/> Masters <input type="checkbox"/> Ph.D. <input type="checkbox"/> Other: _____ |                   |                       |
| Name of student's Faculty Advisor:   | <u>Peter Leong, Ph.D.</u>   |                   |                       |
| Advisor email:   | <u>peterleo@hawaii.edu</u>  | Advisor phone:    | <u>956-3902</u>       |
| <b>Title of Research Project:</b> <u>Piano Basics for Online Mobile Learning</u> |   |                   |                       |

| Signatures   |  |
|--|--|
| <i>I certify that the information in this application is accurate and complete.</i>  |  |
| Researcher: <u></u>   | Date: <u>10/24/13</u>  |
| I have reviewed and approved this application:<br>[Advisor: Please check student's application for the following required documents in this application] |  |
| <input checked="" type="checkbox"/> 'Description of Project' questions answered  | <input checked="" type="checkbox"/> Surveys/ questionnaires, if applicable |
| <input checked="" type="checkbox"/> Informed consent(s)/ assent(s)/ informational flyer(s), if applicable  | <input checked="" type="checkbox"/> Online Training Requirement            |
| Advisor: <u></u>  | Date: <u>10/24/13</u>  |
| (for student research)   |  |

This box for Human Studies Program Use Only:

|   |  |
|---|--|
| Exempt Request: <input type="checkbox"/> Approved <input type="checkbox"/> Not Approved   Exempt Category _____ |  |
| Training: <input type="checkbox"/> PI <input type="checkbox"/> Advisor, if applicable                           | Is this study involving? <input type="checkbox"/> DOH <input type="checkbox"/> DOE |
| Reviewer comments / recommendations:  |  |
|   |  |
| Approved by: _____  | Date: _____  |

## Application for Exempt Status for Human Subjects Research

### University of Hawaii - Human Studies Program

1960 East-West Road, Biomedical Building B-104, Honolulu, HI 96822, (808) 956-5007, uhirb@hawaii.edu

Aloha! Most research involving human subjects at the University of Hawaii must be approved by the UH Human Studies Program. Some research may be exempt from certain Federal requirements. Please read and follow all instructions carefully when filling out this application. For more information, please go to the Human Studies Program website at [www.hawaii.edu/irb](http://www.hawaii.edu/irb) or contact our office with any questions. Underlined words are defined in the Glossary on page 5.

### I. Is Your Project “Research”?

To determine if your project qualifies as research, please answer the question below.

|  |  |
|--|--|
| <b>If you answer “Yes” to the following question, your project meets the federal definition of research. Please answer Section II to determine if your project is <u>human subjects</u> research. If you answer “No”, your project does not meet the federal definition of research. No application is required.</b> |  |
| 1. Is your project a systematic investigation, including research development, testing and evaluation, designed to develop or contribute to <u>generalizable knowledge</u> ?<br>( <u>Underlined words</u> are defined in the Glossary on page 5.)  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |

### II. Is Your Project “Human Subjects” Research?

To determine if your project qualifies as human subjects research, please answer the questions below.

|  |  |
|--|--|
| <b>If you answer “Yes” to either of the following 2 questions, your project does not require Human Studies Program review and approval and you do not need to complete or submit this application.</b>   |  |
| 1. Does your project involve <b>only</b> the analysis of publicly available data? Examples include census data, large public survey data sets with no individual identifiers, and public information available on the internet.  | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |
| 2. Is this a UH class project (whether individual or group) from which the data will only be submitted to your instructor for a class grade and will not be published, presented at an academic conference, given to an agency as a formal report, and will not be used in future research or to qualify for a graduate degree (e.g. Master’s or Doctoral dissertation)? | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |
| <b>If your answer to the following questions is “Yes” for both 1 and 2, or both 1 and 3, please complete Section III of this form. If you answer “No” for 1, 2, and 3 below, your project does not require Human Studies Program review and approval and you do not need to complete or submit this application.</b>   |  |
| 1. Does your research involve obtaining information about living individuals?  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| 2. Will the information be obtained through intervention or interaction with these individuals?  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| 3. Will your research involve access to <u>private information</u> from which individuals can be identified directly or indirectly through a link or code? This includes access to existing data that identifies individuals but these individuals will not be contacted in your research project.   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |

### III. Categories of Exemption

Complete all the categories below that apply to your research. If a category does not apply to your study, check “Not Applicable” (N/A). If your research does not meet the requirements for any of the six categories below, please complete and submit the standard Application for a New Study available on the Human Studies Program website at [www.hawaii.edu/irb](http://www.hawaii.edu/irb) under “Forms”.

|   |   |
|---|---|
| <b>Research on Educational Practices (Federal Category 1)</b>   | <input checked="" type="checkbox"/> N/A |
| Your research will take place in an established or commonly accepted K-12 <u>educational setting</u> , involving normal <u>educational curriculum</u> (appearing as normal classroom activities). | <input type="checkbox"/> Yes            |
| If Yes, complete <b>Section IV</b> and <b>Section V</b> of this application.  |   |

|  |  |   |
|--|--|---|
| <b>Research Involving Surveys or Interviews (Federal Category 2)</b>   |  | <input type="checkbox"/> N/A            |
| 1. Your research will involve the use of educational tests, surveys or interviews for participants ages 18 and older. (educational tests may include cognitive, diagnostic, aptitude, and achievement tests)   |  | <input checked="" type="checkbox"/> Yes |
| 2. Your survey/interview research will involve only adult participants (18 and older) who would <b>not</b> be considered part of a <u>vulnerable</u> population. (for definitions, see glossary on page 5)   |  | <input checked="" type="checkbox"/> Yes |
| 3. The research data that you collect (including field notes) will be recorded in such a manner that if participants can be identified, they would not be at risk of damage to their reputation, financial standing, employability, or criminal and civil liability <b>or</b> this data will be recorded anonymously (so that participants cannot be identified, either directly or through identifiers linked to them). |  | <input checked="" type="checkbox"/> Yes |
| If you answered "Yes" to 1, 2 and 3, complete <b>Section IV</b> and <b>Section V</b> of this application.  |  |   |

|  |  |   |
|--|--|---|
| <b>Research Involving Public Observation (Federal Category 2)</b>  |  | <input checked="" type="checkbox"/> N/A |
| Your research will involve observation of human subjects in a public setting where there is no expectation of privacy. |  | <input type="checkbox"/> Yes            |
| If Yes, complete <b>Section IV</b> of this application.  |  |   |

|   |  |   |
|---|--|---|
| <b>Research Involving Public Officials (Federal Category 3)</b>   |  | <input checked="" type="checkbox"/> N/A |
| Your research will involve surveying or interviewing elected or appointed public officials (or candidates for public office). |  | <input type="checkbox"/> Yes            |
| If Yes, complete <b>Section IV</b> and <b>Section V</b> of this application.  |  |   |

|   |  |   |
|---|--|---|
| <b>Research Involving the Use of Existing Data (Federal Category 4)</b>   |  | <input checked="" type="checkbox"/> N/A |
| 1. Your research will involve the study of <u>existing data</u> , documents, records, pathological specimens, or diagnostic specimens.  |  | <input type="checkbox"/> Yes            |
| 2. You will record the information in such a manner that participants cannot be identified either directly or through identifiers linked to the participants, <b>or</b> the sources of these data are publicly available. |  | <input type="checkbox"/> Yes            |
| If you answered Yes to 1 and 2, complete <b>Section IV</b> of this application.   |  |   |

|   |  |   |
|---|--|---|
| <b>Research Involving Public Benefit or Service Program Evaluation (Federal Category 5)</b>   |  | <input checked="" type="checkbox"/> N/A |
| Your research will evaluate, study or otherwise examine a <u>public benefit or service program</u> at the request of a department or agency head. (IRB approval is required to perform research under this category.) |  | <input type="checkbox"/> Yes            |
| If Yes, complete <b>Section IV</b> and <b>Section V</b> of this application.  |  |   |

|  |  |   |
|--|--|---|
| <b>Research Involving Taste and Food Quality (Federal Category 6)</b>                                    |  | <input checked="" type="checkbox"/> N/A |
| Your research will involve an evaluation of taste and food quality, or a consumer acceptance assessment. |  | <input type="checkbox"/> Yes            |
| If Yes, Complete <b>Section IV</b> and <b>Section V</b> of this application.                             |  |   |

#### IV. Description of Project

Please attach 1-2 typed pages answering questions 1 through 6. Provide your answers as separate responses to each question.

(Do **not** attach a master's proposal or contract/grant.)

1. Briefly describe the purpose and objectives of your research in non-technical language.
2. Briefly describe your research design and methods.
3. For research being conducted as "educational curriculum," describe how the activity being studied is part of "normal" educational practice.
4. If you are using existing data, describe the source(s), the extent to which individuals are identified, and how you have access to the data.

5. If your research will be observational, describe how the observations will be recorded (e.g., audio, video, field notes). If you are planning to audio the participants, please see Section IV.
  - a. If your project involves videotaping, please fill out an application for non-exempt review.
6. Describe your participant population (e.g., age, as special needs, etc...). How will you identify, contact and recruit participants? How many participants do you intend to involve in your research? How will you explain your research to participants?

## V. Attachments

1. Please provide a consent form to be given to research participants. Examples can be found on the Human Studies Program website under "Forms".
  - a. If audio recordings will be a part of the research records, there must be a clear description in the consent form of:
    - i. how the recordings will be used including any uses beyond this research project,
    - ii. how the recordings will be stored,
    - iii. and what will be done with the recordings when the project is complete. A separate consent form, or yes/no checkbox on the main consent form must be provided so that participants can agree or refuse to be recorded.
  - b. If applicable, include language in the consent form that describes how the data or recordings are likely to be used for future research purposes.
2. For research involving minors (ages 17 and younger), you must provide the following:
  - a. A parent/guardian consent form for their child to participate in research that includes space for a signature and date.
  - b. A way of obtaining assent or refusal to participate from the child(ren) that is understandable to them. If the participants are 5 to 11 years old, please provide an oral assent script with an explanation of how you will explain the project to them and obtain their assent or refusal to participate. If the participants are 12 to 17 years old, please provide a written assent form that includes space for a signature and date.
3. Attach a copy of all survey instruments and interview guides. If draft instruments are submitted, final drafts must be submitted for final Human Studies Program approval before use.
4. If you are using recruitment flyers, or advertisements, please provide copies of these as well. Examples can be found on the Human Studies Program website.
5. Attach a copy of your CITI training completion report. See Human Studies Program website under "Training" for instructions on how to complete the training. Your application will not be reviewed until training requirement has been met.

Approval of this Exempt Application is valid for the entire life of the research project and does not need to be renewed annually. However, any changes in the procedures or instruments must be prospectively approved by the Human Studies Program, a process which can occur via email to [uhirb@hawaii.edu](mailto:uhirb@hawaii.edu) for Exempt projects. Once the study is complete, please notify the Human Studies Program also by email to [uhirb@hawaii.edu](mailto:uhirb@hawaii.edu).

**If you have questions, or you are unsure whether your research project is Exempt, please call the Human Studies Program office at (808) 956-5007, or send an inquiry by email to [uhirb@hawaii.edu](mailto:uhirb@hawaii.edu).**

## VI. How to Submit Your Application:

Please provide Human Studies Program with this application (typed and signed on page 1), a description of the project, and all relevant documents listed in Section V.

- **Email to:** [uhirb@hawaii.edu](mailto:uhirb@hawaii.edu). Subject line: "Exempt Application". A signed application is required. To convert your signed application to an e-file, please scan.

## VII. Glossary

**Assent** A child's affirmative agreement to participate in research. Mere failure to object should not, absent affirmative agreement, be construed as assent.

**Application Form** (these forms are found on the Human Studies Program website under "Forms at [www.hawaii.edu/irb](http://www.hawaii.edu/irb)).

- **Application for Exempt Status for Human Subjects Research** Use this application to determine if and to apply for Human Studies Program approval as an exempt study.
- **Application for New Approval of a Study Involving Human Subjects** Use this application for research that is not exempt.

**Consent Form** A document which explains a research study (including a description of any procedures, the potential benefits and risks of participation, etc.) to potential research participants. Most consent forms require a signature and date of the participant. By signing the consent form, a participant asserts his or her voluntary agreement to participate in a study. Examples of consent forms are available on the Human Studies Program website at [www.hawaii.edu/irb](http://www.hawaii.edu/irb).

**Educational Curriculum** Includes teaching, curriculum development and other activities consistent with the process of formal education. To K-12 classroom participants, this research will look like normal classroom practice.

**Educational Setting** A school, classroom, and other locations where formal education is typically conducted.

**Exempt Research** Under federal regulations, specific categories of research can be designated as exempt from certain regulatory requirements as well as initial and continuing review by the IRB. Research at UH must be approved as exempt by the UH Human Studies Program.

**Existing Data** Data that has been previously compiled for research or non-research purposes, such as school records or census information. Existing data may include data sets, interview notes or audio or video tapes. (Note: to qualify for exempt status, the data must exist at the time of the application)

**Generalizable Knowledge** When study results are intended to answer a research question, to draw conclusions about a specific premise (or hypothesis), or to apply study results beyond the specific focus of the research (the research data or study participants), they are considered to be generalizable. Study results that will be published (in a scholarly journal, book, or on-line), placed in a library (such as a masters or doctoral dissertation), or presented at an academic meeting are considered to be generalizable.

**Human Subject** A human subject is a living individual about whom a researcher, whether professional or student, obtains data through intervention or interaction, or obtains identifiable private information about them.

**Informed Consent** The process by which a person voluntarily agrees to participate in research based on adequate knowledge and understanding of the research project.

**Identifiable Data** Data that can be used to identify individual research participants. Identifiers include but are not limited to names, addresses, phone numbers, social security numbers, geocodes, and images (but not voices). Identifiers may also include codes that can be used to link an individual's identity with information about them.

**Private Information** Information that an individual would reasonably expect to not be shared without the individual's permission. Private information may also refer to observed behavior about a person in a setting in which the person would not expect to be observed for research purposes without permission.

**Public Benefit or Service Program** A government agency or program established to provide services to eligible members of the public (e.g. WIC, Veterans Affairs, etc.) Research must be supervised by the agency in charge of the public benefit or service program. Please contact the Human Studies Program office if you believe your project may qualify under this category.

**Vulnerable populations** Children, prisoners, pregnant women, physically or mentally disabled persons, or economically or educationally disadvantaged persons.

**COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI)**  
**CITI HEALTH INFORMATION PRIVACY AND SECURITY (HIPS) CURRICULUM COMPLETION REPORT**  
Printed on 09/08/2013

**LEARNER** Adam Halemano (ID: 3699590)  
32-315 Lace Oak Drive  
Lake Elsinore  
California 92532  
United States

**DEPARTMENT** ETEC

**PHONE** 949-701-6919

**EMAIL** adam36@hawaii.edu

**INSTITUTION** University of Hawaii

**EXPIRATION DATE**

**CITI HEALTH INFORMATION PRIVACY AND SECURITY (HIPS) FOR STUDENTS AND INSTRUCTORS** : This course for **Students and Instructors** will satisfy the mandate for basic training in the HIPAA. In addition other modules on keeping your computers, passwords and electronic media safe and secure are included.

**COURSE/STAGE:** Basic Course/1  
**PASSED ON:** 09/08/2013  
**REFERENCE ID:** 11132011

| REQUIRED MODULES  | DATE COMPLETED | SCORE        |
|---|----------------|--------------|
| About the Course  | 09/01/13       | 1/1 (100%)   |
| Basics of Health Privacy  | 09/01/13       | 16/16 (100%) |
| Health Privacy Issues for Students and Instructors              | 09/06/13       | 4/4 (100%)   |
| Basics of Information Security, Part 1                          | 09/06/13       | No Quiz      |
| Basics of Information Security, Part 2                          | 09/08/13       | 5/5 (100%)   |
| Security Rules: Introduction to Federal and State Requirements* | 09/08/13       | 2/6 (33%)    |
| Completing the Privacy and Security Course                      | 09/08/13       | No Quiz      |

**For this Completion Report to be valid, the learner listed above must be affiliated with a CITI Program participating institution or be a paid Independent Learner. Falsified information and unauthorized use of the CITI Program course site is unethical, and may be considered research misconduct by your institution.**

Paul Braunschweiger Ph.D.  
Professor, University of Miami  
Director Office of Research Education  
CITI Program Course Coordinator

Collaborative Institutional  
Training Initiative  
at the University of Miami

# COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI)

## STUDENTS CONDUCTING NO MORE THAN MINIMAL RISK RESEARCH CURRICULUM COMPLETION REPORT

Printed on 09/18/2013

**LEARNER** Adam Halemano (ID: 3699590)  
32-315 Lacey Oak Drive  
Lake Elsinore  
California 92532  
United States

**DEPARTMENT** ETEC

**PHONE** 949-701-6919

**EMAIL** adam36@hawaii.edu

**INSTITUTION** University of Hawaii

**EXPIRATION DATE** 09/17/2016

**STUDENTS - CLASS PROJECTS :** This course is appropriate for students doing class projects that qualify as "No More Than Minimal Risk" human subjects research.

**COURSE/STAGE:** Basic Course/1  
**PASSED ON:** 09/18/2013  
**REFERENCE ID:** 11132010

| REQUIRED MODULES   | DATE COMPLETED | SCORE        |
|--|----------------|--------------|
| Belmont Report and CITI Course Introduction                            | 09/17/13       | 3/3 (100%)   |
| Students in Research   | 09/17/13       | 10/10 (100%) |
| History and Ethical Principles   | 09/17/13       | 6/6 (100%)   |
| Basic Institutional Review Board (IRB) Regulations and Review Process  | 09/17/13       | 5/5 (100%)   |
| Records-Based Research   | 09/17/13       | 2/2 (100%)   |
| Genetic Research in Human Populations                                  | 09/17/13       | 2/2 (100%)   |
| Research With Protected Populations - Vulnerable Subjects: An Overview | 09/17/13       | 4/4 (100%)   |
| Research and HIPAA Privacy Protections                                 | 09/18/13       | 5/5 (100%)   |
| Conflicts of Interest in Research Involving Human Subjects             | 09/18/13       | 1/5 (20%)    |

**For this Completion Report to be valid, the learner listed above must be affiliated with a CITI Program participating institution or be a paid Independent Learner. Falsified information and unauthorized use of the CITI Program course site is unethical, and may be considered research misconduct by your institution.**

Paul Braunschweiger Ph.D.  
Professor, University of Miami  
Director Office of Research Education  
CITI Program Course Coordinator

Training Initiative  
at the University of Miami

# Application for Exempt Status for Human Subjects Research

University of Hawaii at Manoa - Educational Technology

Submitted by: Adam K. Halemano, Jr.

Faculty Advisor: Dr. Peter Leong



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MĀNOA

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## IV. Description of Project

### **1. Briefly describe the purpose and objectives of your research in non-technical language.**

The intended purpose and goal of this instructional design project is to develop and evaluate a web-based instructional module teaching beginner level adult music students how to identify and engage in the playing of chords, scales, and melodies on a contemporary piano keyboard.

### **2. Briefly describe your research design and methods.**

My research design and methods includes surveys and tests created using a Web 2.0 tool on the PollDaddy.com website. These digital forms will be embedded into the online web-based module for simplicity and security. Forms completed and submitted by participants of this research study will be automatically sent to my school email address for charting and analysis. As a means of preserving the anonymity of all participants, an embedded "random number generator" script will be used to create a personal "ID Number" for anonymous identification purposes. In addition, participants will also be asked to create a fictional alias (i.e. Superman, Wolverine, Iron Man, Thor, et al.) to go along with the generated ID number. This will provide a way of addressing each participant through email correspondences, as well as, creating a contingency in the unlikely event that there should be two participants with the same randomly generated ID numbers. The alias and ID number will be used every time a survey or test is requested throughout the course of this research project.

### **3. For research being conducted as "educational practice," describe how the activity being studied is part of "normal" educational practice.**

N/A - This instructional design is not deemed to be a conventional pedagogical approach since it is conducted entirely within a progressive online web-based environment.

### **4. If you are using existing data, describe the source(s), the extent to which individuals are identified, and how you have access to the data.**

N/A - No external data sources will be used for this research study.

# Application for Exempt Status for Human Subjects Research

University of Hawaii at Manoa - Educational Technology

Submitted by: Adam K. Halemano, Jr.

Faculty Advisor: Dr. Peter Leong



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- 5. If your research will be observational, describe how the observations will be recorded (e.g., audio, video, field notes). If you are planning to audio or videotape the participants, please see Section V. If videotaping, please explain how you plan to use and store the videotape(s). In most cases, if your project involves videotaping, it will not qualify as exempt.**

N/A - My research design and methods do not require the need for audio or videotape recording of the participants. Since the instructional design is entirely web-based, there will be no need for personal field notes as well.

- 6. Describe your participant population (e.g., age, as special needs, etc...). How will you identify, contact and recruit participants? How many participants do you intend to involve in your research? How will you explain your research to participants?**

The participant population for this research study will include a diverse range of adults between the ages of 18-65. There will be no exclusions of participation based on race, ethnicity, gender, education, and or socioeconomic background. All individuals interested in learning the essentials of how to play the piano (with an emphasis on emotional enjoyment), will be welcomed to join and participate in this research study.

The only mandatory pre-requisites for this study is that all participants must have access to the Internet (via PC and Tablet) and be able to navigate a web browser (i.e. Chrome, Safari, Firefox, Internet Explorer, et al.) on both of these tech devices. For those participants who do not have access to a physical piano keyboard, the use of an iPad tablet will help to address this issue with a virtual piano keyboard and access to other useful "free" music learning apps.

The recruitment process will include formal requests within my network of family, friends, and personal acquaintances. An invitational email expressing my intent for this instructional design project will be solicited to all volunteers willing to participate in this research study. The email will contain a web link to the instructional online module where a formal consent form will be presented, completed, and submitted prior to the commencement of the first lesson. Due to the need for a physical piano keyboard and or iPad tablet, I anticipate a fairly low participation rate. I hope to have at minimum a collective pool of approximately 10-15 willing participants who will successfully complete this research study in its entirety.



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**LETTER OF INVITATION TO PARTICIPATE IN A RESEARCH PROJECT  
ON THE DESIRE TO PLAY MUSIC FOR EMOTIONAL ENJOYMENT**

Project Title: *Piano Basics for Online Mobile Learning*

Dear Family, Friend & Colleague,

You have been selected to participate in a research project!

My name is Adam Halemano. I am a graduate student in the Department of Educational Technology at the University of Hawaii at Manoa. As a qualification for my Master's degree program, I am required to conduct a formal research project. The purpose of my project is to develop and evaluate a web-based instructional module teaching beginner level adult students with little to no musical background how to identify and engage in playing chords, scales, and melodies on a contemporary piano keyboard. Participation in this study will involve the completion of anonymous online surveys and self-assessment quizzes for the benefit of improving this web-based instructional module. I am asking you to participate in this project because you are at least 18 years of age and have experience with and access to both a personal computer and iPad tablet with Internet connection.

Participation in this project is voluntary. You can freely choose to participate or to not participate, and there will be no penalty or loss of benefits for either decision. If you agree to participate, you can stop at any time without any penalty or loss of benefits to which you are otherwise entitled. Attached is a PDF copy of the *Consent to Participate in Research* document which provides more details about the project.

If you are willing to volunteer, please let me know by **Friday, November 29, 2013**. Should you have any further questions about my project, please feel free to contact me. Thanks in advance for your consideration and willingness to participate!

Sincerely,

Adam K. Halemano, Jr.

[adam36@hawaii.edu](mailto:adam36@hawaii.edu)

(949) 701-6919

# Consent to Participate in Research

*Piano Basics for Online Mobile Learning*



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MĀNOA

## Aloha Kakou e Komo Mai!

My name is Adam Halemano. I am a graduate student with the Department of Educational Technology (ETEC) at the University of Hawaii at Manoa (UH). As a qualification for my Master's degree program, I am required to conduct a formal research project.

**The purpose of my project is to develop and evaluate a web-based instructional module teaching beginner level adult students with little to no musical background how to identify and engage in playing chords, scales, and melodies on a contemporary piano keyboard.**

I am asking you to participate in this project because you are at least 18 years of age and have experience with and access to both a personal computer and iPad tablet with Internet connectivity. Please read the following list of anticipated objectives and participant liberties for this research project. If you would like to participate in this instructional module, please complete the consent form below.

## Project Description

**Activities and Time Commitment:** If you elect to participate in this study, you will be asked to complete the following:

- Fill out a **pre-survey demographic questionnaire** consisting of a few multiple choice questions about your background and your prior experience with musical instruments (5-10 minutes / total time).
- Complete four (4) **pre-test evaluations** to help assess your current knowledge and understanding of basic piano concepts (5-10 minutes / total time).
- Download two (2) **free applications** for the iPad tablet from the Apple iTunes store. The applications consist of a virtual piano keyboard and a chord/scales finder utility (3-5 minutes / total download time).
- Watch four (4) **instructional videos** covering fundamental key concepts within the areas of keyboard layout (orientation), hands and fingers (positioning), chords and scales (major and minor), and relative key theory (3-5 minutes / per video).
- Engage in four (4) **rudimentary activities** geared toward intellectual and motor-skills development for playing the piano. The activities will mirror the content material presented in the instructional videos (approximately 1-2 hours over a 3-5 day period / as time permits).
- Complete four (4) **post-test evaluations** to help assess student learner outcomes upon completion of the instructional module (5-10 minutes / total time).

# Consent to Participate in Research

*Piano Basics for Online Mobile Learning*



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**Benefits and Risks:** There will be no direct benefit to you for participating in this survey. The results of this project may contribute to a better understanding of the piano and its use as a tool for emotional enjoyment. There is little risk to you in participating in this project.

**Confidentiality and Privacy:** The surveys and tests are employed with a valued understanding for anonymity and are deemed highly confidential with the utmost respect for personal privacy. The study will not solicit any personal information that could be used to identify you. Likewise, please do not include any personal information, such as your name, in your survey responses.

**Voluntary Participation:** Participation in this research study is voluntary. You can freely choose to participate or to not participate in this survey, and there will be no penalty or loss of benefits for either decision. If you agree to participate, you can stop at any time without any penalty or loss of benefits to which you are otherwise entitled.

If you have any questions about this study, you can reach me at (949) 701-6919 or via email ([pianobasicsproject@gmail.com](mailto:pianobasicsproject@gmail.com)). You can also contact my faculty advisor, Dr. Peter Leong at (808) 956-3902 or via email ([peterleo@hawaii.edu](mailto:peterleo@hawaii.edu)). If you have any questions about your rights as a research participant, you can contact the UH Committee on Human Studies at (808) 956-5007 or via email ([uhirb@hawaii.edu](mailto:uhirb@hawaii.edu)).

# Demographic Survey

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Your responses to this survey will be kept confidential.

- 1) What is your gender?
  - a. Male
  - b. Female
  
- 2) What is your age?
  - a. 18-24
  - b. 25-31
  - c. 32-38
  - d. 39-45
  - e. 46-52
  - f. 53-65
  
- 3) What is your ethnicity?
  - a. Caucasian
  - b. Hispanic / Latino
  - c. African American
  - d. Native American
  - e. Asian / Pacific Islander
  - f. Other
  
- 4) What is your highest degree of education?
  - a. Less than high school
  - b. High School / GED
  - c. Some College
  - d. Associates Degree
  - e. Bachelor's Degree
  - f. Master's Degree
  - g. Doctoral Degree
  
- 5) What is your current marital status?
  - a. Single / Never Married
  - b. Married
  - c. Separated
  - d. Divorced
  - e. Widowed

# Demographic Survey

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- 6) What is your comfort level when it comes to working with technology?
  - a. Not Comfortable
  - b. Somewhat Comfortable
  - c. Comfortable
  - d. Very Comfortable
  
- 7) Do you think computers are effective educational tools?
  - a. Yes
  - b. No
  
- 8) Do you think you can learn how to play the piano via a web-based lesson module?
  - a. Yes
  - b. No
  - c. Maybe
  
- 9) Do you play an instrument?
  - a. Yes
  - b. No
  
- 10) If yes, how long have you played?
  - a. No Music Training
  - b. Under 1 Year
  - c. 2-5 Years
  - d. 6-10 Years
  - e. 11-14 Years
  - f. Over 15 Years
  
- 11) If no, would you be interested in playing an instrument such as the piano?
  - a. Yes
  - b. No
  - c. Maybe

# Demographic Survey

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12) From the following list, which music genre(s) bring you a sense of emotional enjoyment?

Select all that apply.

- a. Alternative
- b. Blues
- c. Classical
- d. Country
- e. Dance
- f. Easy Listening
- g. Electronic
- h. Gospel
- i. Hip-Hop / Rap
- j. Instrumental
- k. Jazz
- l. New Age
- m. Pop
- n. R&B / Soul
- o. Rock
- p. Reggae

# Attitudinal Survey

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Mahalo nui loa for participating in this instructional design research project! Before you go, please complete the following survey about this web-based online module and respective tests.

**Instructions:** Please respond to the following statements carefully and honestly. Based on your personal belief, select the appropriate number within this 5-point scale, that corresponds to a positive or negative opinion, where "1" = **Strongly Disagree** and "5" = **Strongly Agree**.

1) The instructional module was clear and easy to understand

1                      2                      3                      4                      5

2) The length of the instructional module was manageable

1                      2                      3                      4                      5

3) The video examples were helpful and encouraging

1                      2                      3                      4                      5

4) The test questions were concise and well-written

1                      2                      3                      4                      5

5) The web-based interface was intuitive and engaging

1                      2                      3                      4                      5

6) The module was motivational and inspirational

1                      2                      3                      4                      5

7) The questions and lesson materials helped prepare me for the post-test evaluation

1                      2                      3                      4                      5

8) The module helped me to view the piano as a means for emotional enjoyment

1                      2                      3                      4                      5

9) I learned more than I thought I would from this web-based module

1                      2                      3                      4                      5

10) The module has motivated me to continue learning more about the piano

1                      2                      3                      4                      5

# Attitudinal Survey

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- 11) Based on what you have learned from this instructional module, do you feel more confident in your understanding of the piano?
  
- 12) If you were to make design modifications to this instructional module, what would change and what would you keep the same?

# Pre-Test Quiz (Sample)

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1. How many keys does a standard piano keyboard have?
  - a. 56
  - b. 88 (Correct)
  - c. 49
  - d. 72
  
2. How many notes are there in an octave?
  - a. 6
  - b. 8 (Correct)
  - c. 12
  - d. 3
  
3. What is a half-step?
  - a. A collection of harmonic notes
  - b. An interval from one key to the next (Correct)
  - c. A range of keys within a musical scale
  - d. An open minor chord
  
4. How many half-steps are in a whole step?
  - a. 4 half-steps
  - b. 2 half-steps (Correct)
  - c. 6 half-steps
  - d. 3 half-steps
  
5. What is a melodic and harmonic interval?
  - a. It is the distance between two pitch tones (Correct)
  - b. It is an instrumental break within a song
  - c. It is several melodic phrases linked together
  - d. It is long pauses between harmonic chords
  
6. What is a musical accidental?
  - a. It is hitting the wrong key by mistake
  - b. It is a lowering or raising of a note within a musical key (Correct)
  - c. It is every other white key on the keyboard
  - d. It is every other group of black keys on the keyboard

# Post-Test Quiz (Sample)

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1. What is a musical chord comprised of?
  - a. Five melodic tones played in sequence
  - b. Two diatonic tones played at the same time
  - c. Four half-tones played in a musical scale
  - d. Three or more tones played together (**Correct**)
2. What is the total number of notes in a chromatic scale?
  - a. 5
  - b. 9
  - c. 12 (**Correct**)
  - d. 7
3. What set of keys must be pressed in order to play an F major chord?
  - a. F-B-D
  - b. F-A-C (**Correct**)
  - c. F-G-A
  - d. F-B-E
4. What is the total number of notes in a diatonic scale?
  - a. 5
  - b. 9
  - c. 7 (**Correct**)
  - d. 12
5. What must you do to change a major chord to a minor chord?
  - a. Lower the 3rd note in the chord (**Correct**)
  - b. Lower the 5th note in the chord
  - c. Raise the 2nd note in the chord
  - d. Raise the 4th note in the chord
6. What set of keys must be pressed in order to play a C major chord?
  - a. C-A-B
  - b. C-F-G
  - c. C-D-A
  - d. C-E-G (**Correct**)