

INDEPENDENT STUDY CONTRACT

Note: Enrolment is subject to approval by the projects co-ordinator

SECTION A (Students and Supervisors)

UniID: _u5541558

SURNAME: _Ding

FIRST NAMES: _Ke

PROJECT SUPERVISOR (may be external): Ben Swift

COURSE SUPERVISOR (a RSCS academic): Ben Swift

COURSE CODE, TITLE AND UNIT: COMP4560 Advanced Computing Project

SEMESTER _S1 2017_____

PROJECT TITLE:

An evaluation of touch-based music sequencer apps on iPad

LEARNING OBJECTIVES:

- Conduct a survey & create an interface taxonomy of current music sequencer apps on the iOS app store
- Perform an HCI user study of a selection of these apps (based on the taxonomy) measuring the user experience & preferences of musicians in creating music with these interfaces
- Propose some design guidelines for creating interfaces for music sequencer apps

PROJECT DESCRIPTION:

While musical interfaces have long been studied in HCI, the iPad and app store has produced thousands of novel (and not-so-novel) twists on the “grid-based” sequencer paradigm.

By reviewing a selection (20+) of current iOS sequencer interfaces in depth, this project will create a taxonomy of design approaches, drawing out the common patterns (and areas of divergence/innovation) in these interfaces.

Having performed this classification, the project will further explore the major design axes through a user-study. In this, musicians will be given various apps in an open-ended music-making task, and will answer a user-experience questionnaire and short interview to further probe the impacts of these design choices. As a result, a set of design guidelines/considerations will be produced for the construction of interfaces for music sequencing.

ASSESSMENT (as per course's project rules web page, with the differences noted below):

Assessed project components:	% of mark	Due date	Evaluated by:
Report: name style: research report (e.g. research report, software description..., no less than 45% weight assigned)	90		(examiner)
Artefact: name kind: _____ (e.g. software, user interface, robot..., no more than 45% weight assigned)	0		(supervisor)
Presentation:	10		(course convenor)

MEETING DATES (IF KNOWN):

Every Friday

STUDENT DECLARATION: I agree to fulfil the above defined contract:

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Signature *KE DING* Date *2017.2.27*

SECTION B (Supervisor):

I am willing to supervise and support this project. I have checked the student's academic record and believe this student can complete the project.

.....
Signature Date

REQUIRED DEPARTMENT RESOURCES:

SECTION C (Course coordinator approval)

.....
Signature Date

SECTION D (Projects coordinator approval)

.....



Australian
National
University

Signature

Date