Adarsha iOS 1.0

Technical Documentation

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Document control

- ## Versions

Date	Author	Version	Change reference
07/31	Allen Hsiao	1.0	

1. Introduction

The system that Treasure Association is commissioned to build is a set of tools that facilitates collecting and proof reading Tibetan Buddhist scriptures and archiving them in a database for the wider public to browse and search for research and preservation purposes.

The first system is *Ketaka*, which is an editor-like proof reading tool that enables parallel reading for text and scanned images; the second system is *Adarsha*, which has a search engine with a intuitive front-end that facilitates searching and browsing of the processed Tibetan texts. And the third system is Ketaka Lite, a standalone application that enables file format conversion and file import and has a built-in simple editor allowing users edit their imported data. Below is the system module diagram showing their relationships.
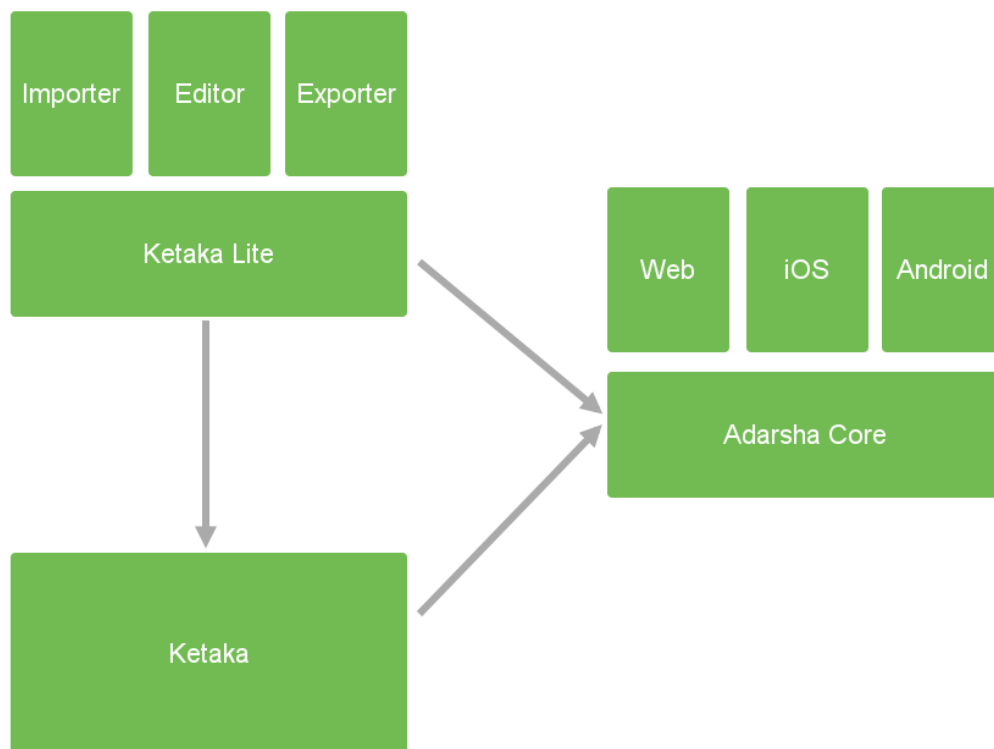

Figure 1 Solution Diagram.

This document aims to describe in detail the functional and non-functional requirements of Adarsha.

2. Adarsha iOS User Interface

The basic requirements of UI interfaces are described in this chapter.

2.3 User Interface

The main user interface contains the following parts:
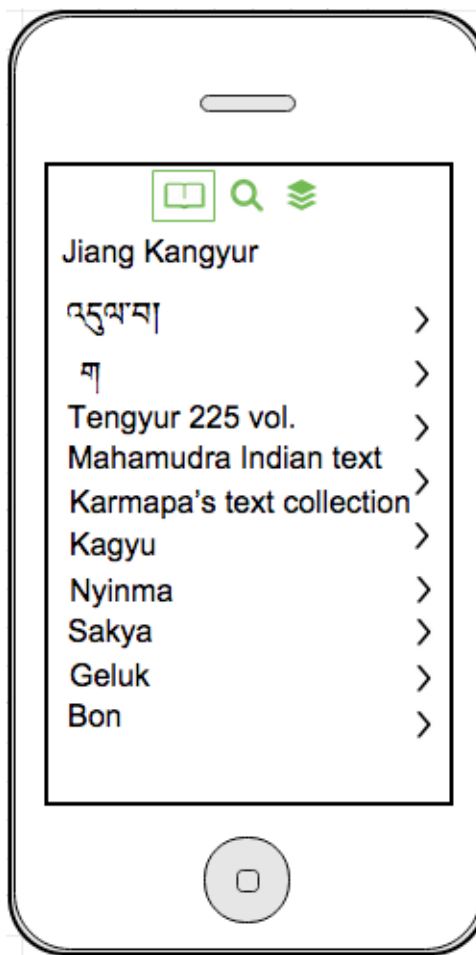- Master View
- Detail View
- Tool Bar

Figure 2 Master View.

2.4 Master View

The Master View contains three functions: 1) Browse by category 2) Search by keyboard 3) Advanced search

By browsing the categories, users can navigate through the organised tree structure to find a sutra. The right arrow means that the category can be further expanded. By tapping on it, user can navigate to the next level of that category.
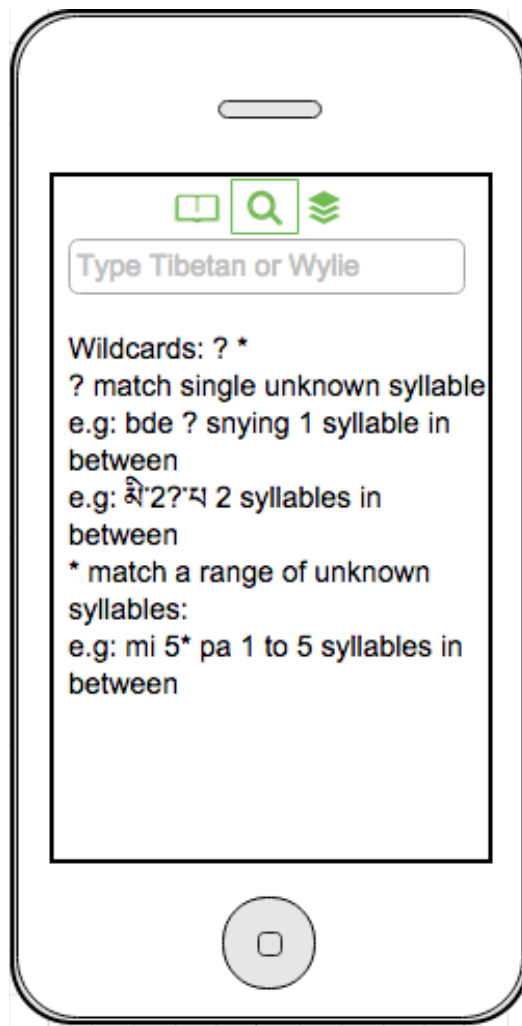
Figure 4 Search

By tapping on the search button, user can define keyword to find a particular content. They can use wildcards to define the rules. The search result will be displayed below the search bar.

Figure 5 Advanced Search.

The Advanced Search allows user to define complicated search criteria to find a particular sutra. They can input text or simple tag on the menu to select a value. By tapping on the search button, the search will be triggered and the result list will be displayed.
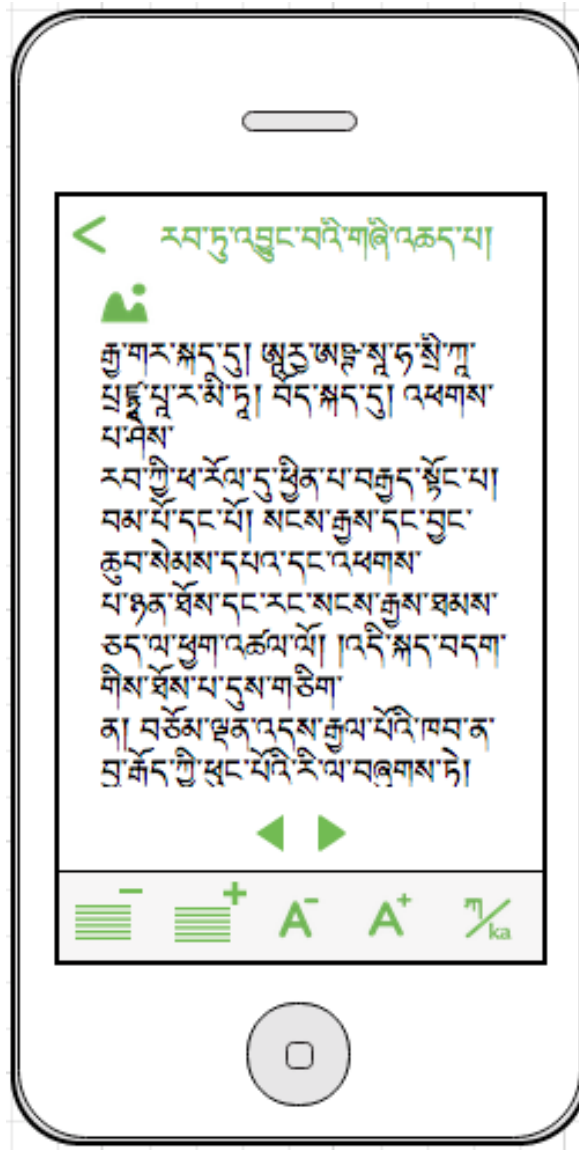
Figure 6 Detail View.

The Detail View displays the content of a sutra or bambo once user tap on a search result on the Master View. User can browse the content by scrolling up and down, jump to the next page by tapping on the pagination buttons.

The toolbar provided underneath allows user to change font size, line height or switch in between Tibetan and Wylie.

By tapping on the back button, user can navigate back to the Master View.

3. Adarsha Main Categories

1. Jangkangyur 108 vol. 麗江甘珠爾འཇང་བཀའ་འགྱུར། པོད་བརྒྱ་དང་བརྒྱད།
2. Tengyur 225 vol. 丹珠爾བསྟན་འགྱུར། པོད་ཉིས་བརྒྱ་དང་ཉེ།
3. Mahamudra Indian text 3 vol. 印度大手印典籍ཕྱག་ཆེན་སྐོར། རྒྱ་འགྲེལ། པོད་གསུམ།
4. Karmapa's text collection more than 100 vol. 歷代噶瑪巴教言ཀ་རབས། པོད་བརྒྱ་ལས་ལྷག

A. Kagyupa 噶舉派典籍བཀའ་བརྒྱུད་པའི་གཞུང་།
B. Nyingmapa 寧瑪派典籍རྙིང་མ་པའི་གཞུང་།
C. Sakyapa 薩迦派典籍ས་སྐྱ་པའི་གཞུང་།
D. Gelukpa 格魯派典籍དགེ་ལུགས་པའི་གཞུང་།
E. Bonpo 本波教典籍 (edited)བོན་པོའི་གཞུང་།

(items A - E in alphabetical order)