THE UNIVERSITY OF HONG KONG

HKU News Mobile App

Experience Sharing on Developing an Accessible App

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SAPIENTIA·ET·VIRTUS
HKU News

HKU News

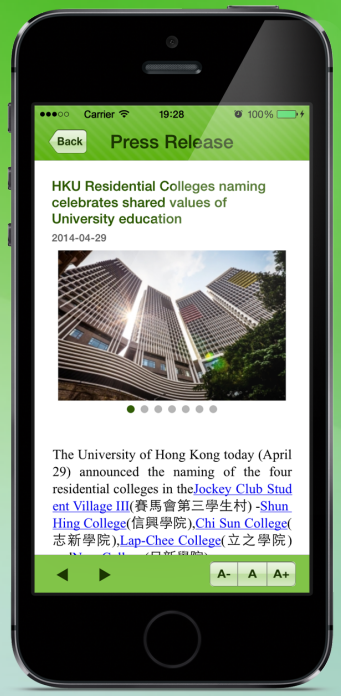
An extension of HKU Website

The hub of HKU News, Press Releases and Invitations

Already in the market before the Web Accessibility Recognition Scheme Began

One Single Source for Multiple Media

Website



Mobile App

Email

Our Target: Gold Award

HKU Website already received the Gold Award last year.

The Challenge is: Being the first mover

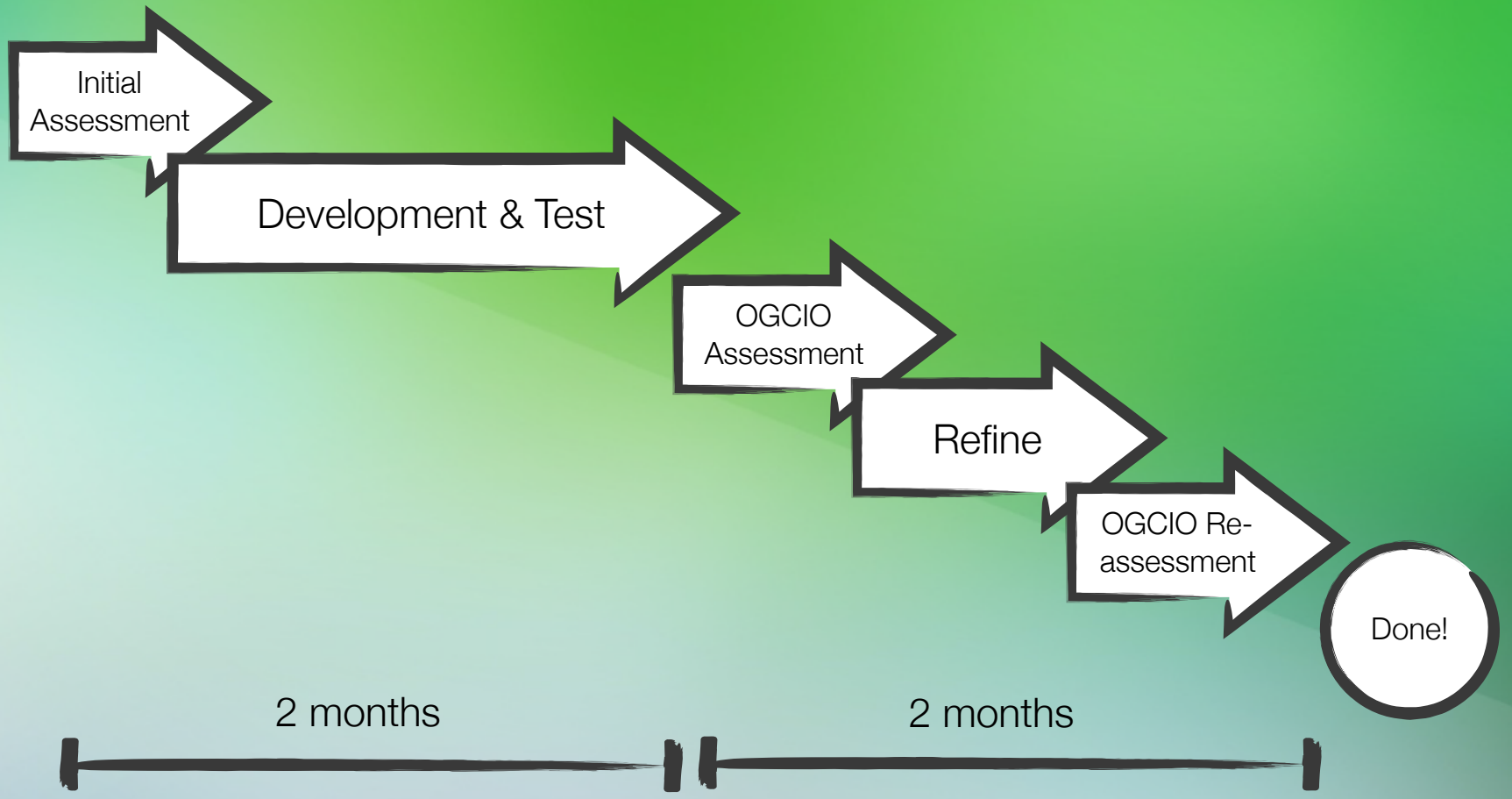
What's app accessibility exactly?

Who has the skill and experience?

The essential elements

Supportive Management	Collaborative Team	OGCIO's Help
Have the awareness & support the initiative	App Owner + Content Owner + Developer	Assessment and consultation

Implementation



Major Changes

Major Changes

Color Contrast

Control / Content Sequence

Buttons

Correct tags

Text Size Switcher

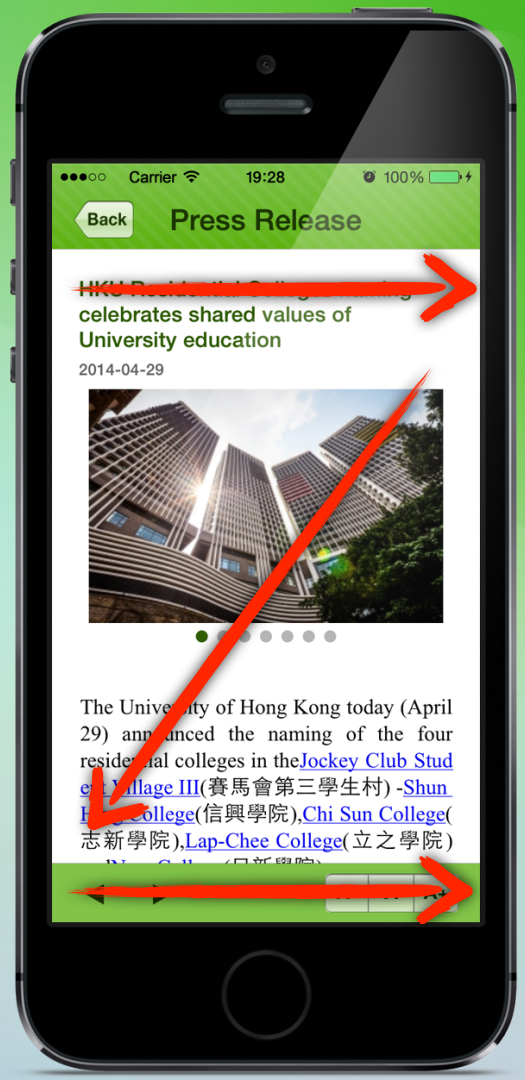
Meaningful Alt Text

Accessibility Contact Page

Color Contrast

Contrast ratio between text and its background is at least **4.5:1**

Control / Content Sequence



From Left to Right

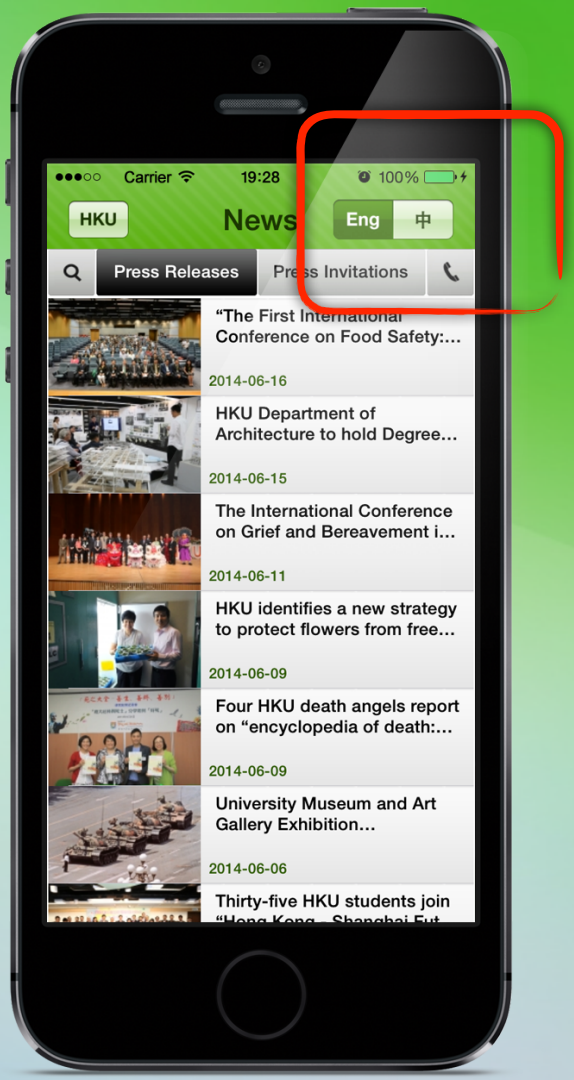
From Top to Down

Buttons

Buttons should indicated as button

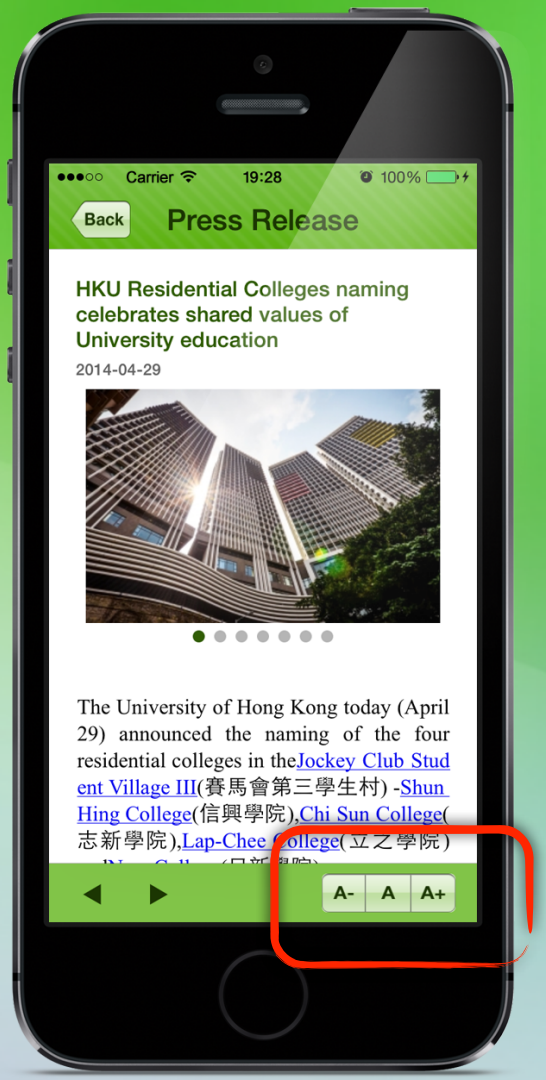
Read in meaningful description

Correct Tag

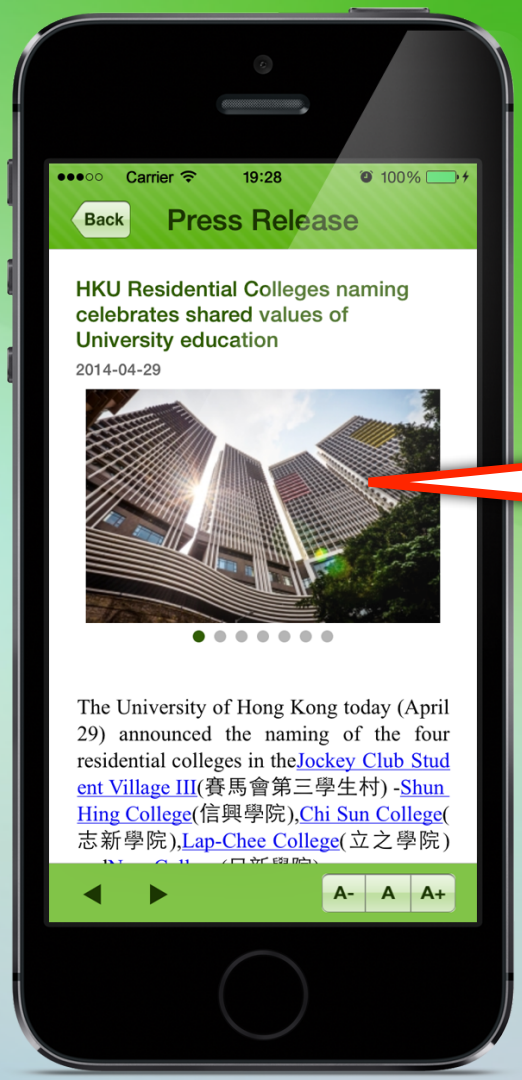


Add Language tag to indicate the text is in Chinese.

Text Size Switcher

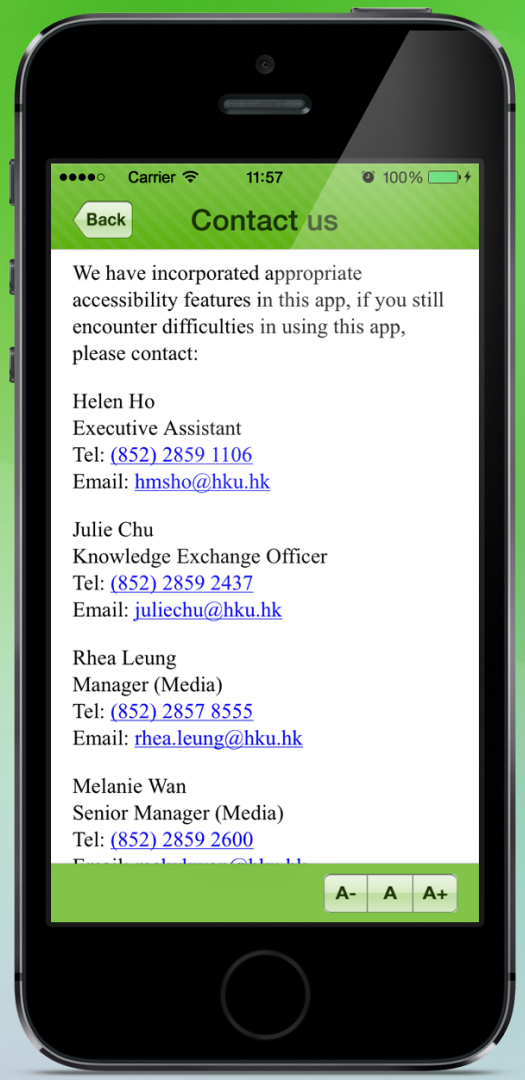


Meaningful Alt Text



Alt Text:
"The four Residential Colleges (from left to right): Shun Hing College, Chi Sun College, Lap-Chee College, New College"

Accessibility Contact Page



How to Test?

Color Check

Code Check

Human Test with iOS's Voice Over Features

A Few Advices

Develop Native App

Sometimes hybrid/html5 app cannot read correctly during voice over when there is dynamic content

2

Firstly, open your eyes
Finally, close your eyes

Understand how VIP see the world
Perform testing like a VIP

3

Google is your friend

Youtube too!
Watch video for demo the gesture for voice over

4

You may need to update historical content

Beware the schedule

5

Reserve extra buffer time for testing & issue fixing

Unless you 100% know what to do

Thank You!

Enjoy!