

Nesuku Mobile Application Design Review 2

TEAM 15

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LOGiC
S O L U T I O N S



Introduction

Nesuku: Online language learning

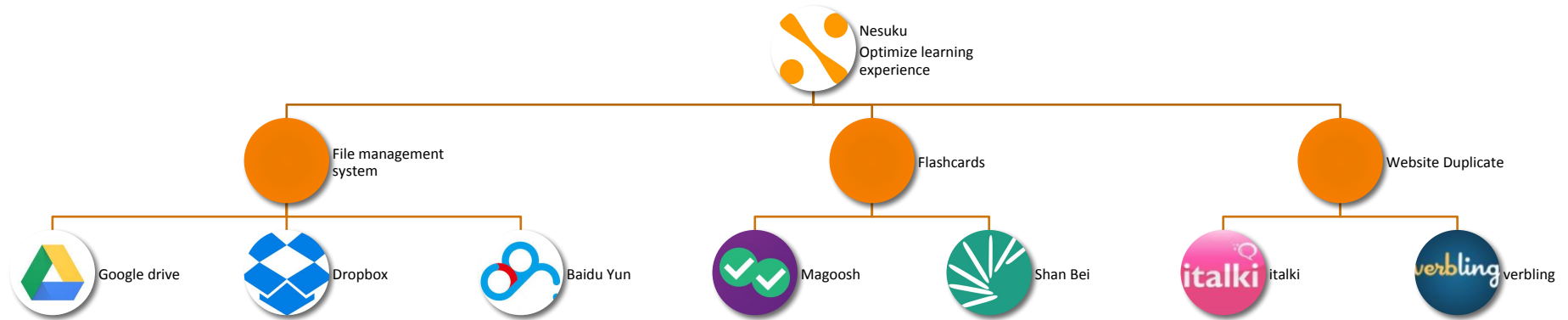


Difficult to organize, view, and share learning materials

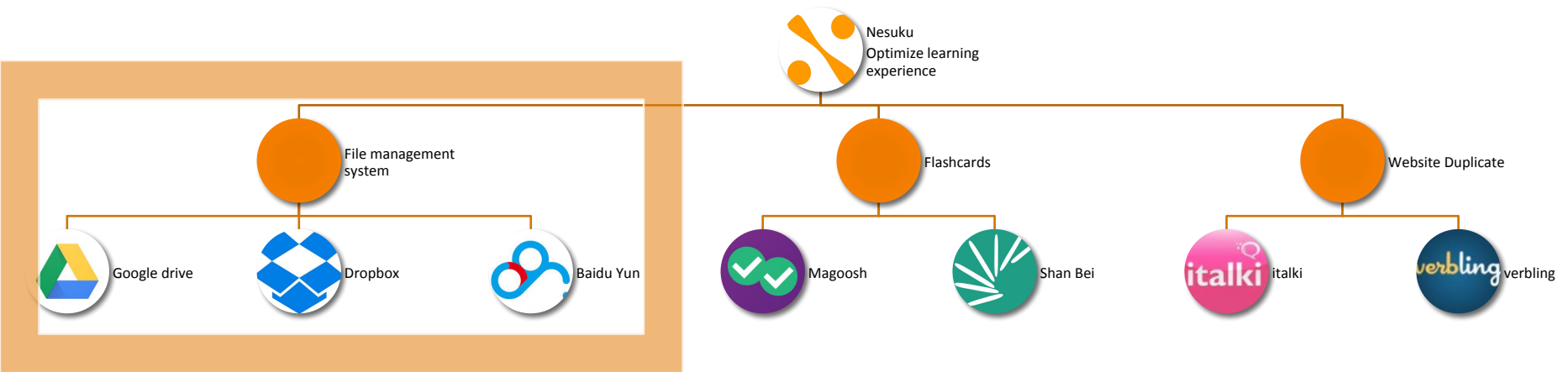


An easy way to create, organize, and share files on Nesuku

Basic Functionality to Deliver



Basic Functionality to Deliver



Google Firebase

Pros:

- Easy to integrate
- Comprehensive documentation

Cons:

- Not available in China

AWS cloudfront + S3

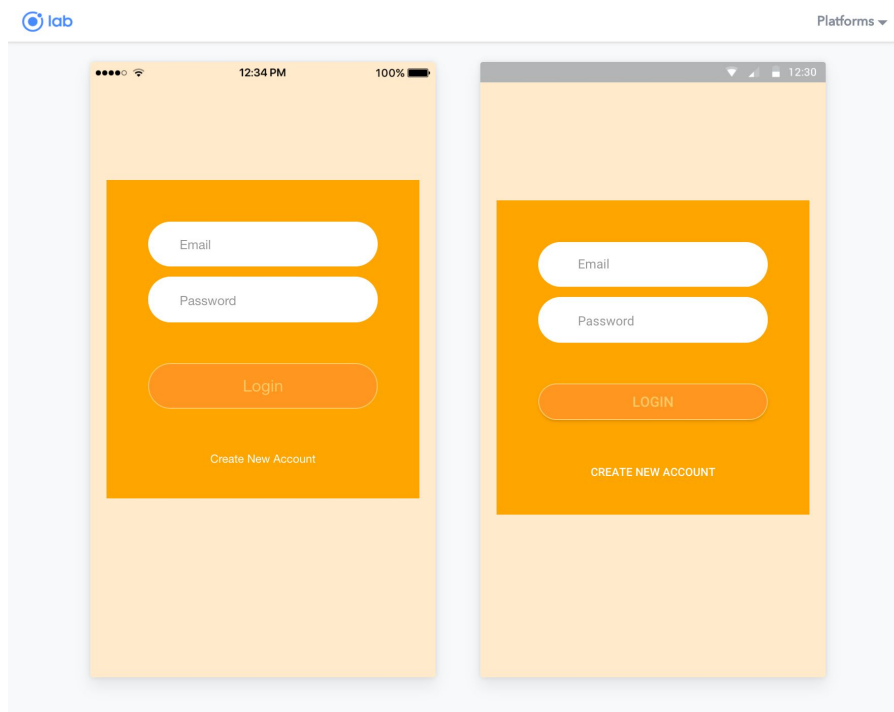
Pros:

- Available in China
- Increase access speed

Cons:

- Lack of complete documentation

Hybrid Platform Performance



Our solution

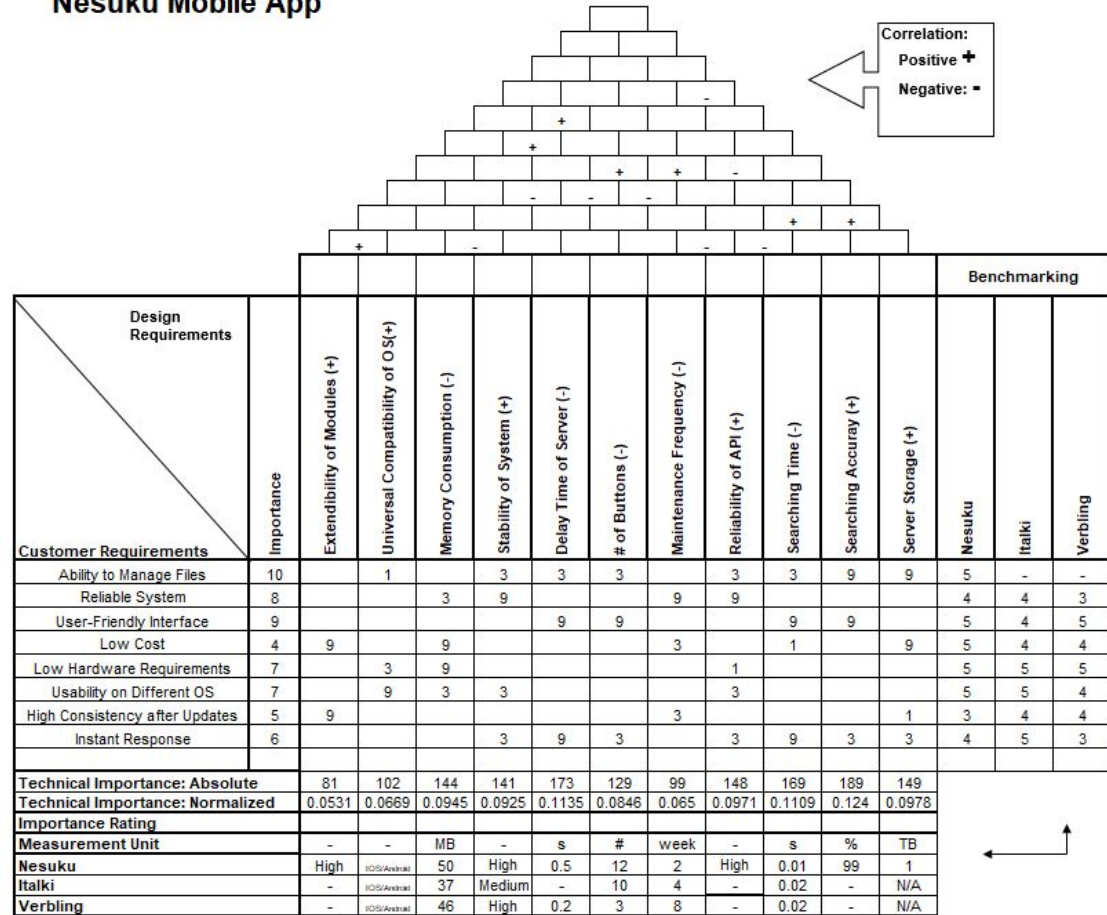


AWS
cloudfront + S3



Nesuku Mobile App

QFD



User Requirements and Engineering Specifications

User Requirements	Engineering Specification
Operating System	Mobile OS: IOS, Android
User Friendly Interface	No more than 15 Interactive Responses (Files and Buttons)
Easily Set up	App Store/ Google Play/ Official Website
Operating Speed	0.5 second
Less Memory Usage	Less than 50 MB
Reliable System	1/month crash rate
High Security	Password Protected
Large Storage	500 MB
High Searching Accuracy	99%

Detailed Technical Requirements

Resolution

Minimum: 1024 x 768

Maximum: 2048 x 1536

Supported Systems

Android 4.0 and above / iOS 9.0 and above

Security

Ask the user for permission of the following accesses:

- 1.Photo Album (when users want to import/export from/to their cellphones' local photo library)
 - 2.Camera (when users want to take a photo of what they just created as a hardcopy)
 - 3.Notifications (when users want to receive push notifications about file shares/class reminders/etc.)
 - 4.Location services (to determine the geo-locations of the user in order to provide location-based content delivery)
-

Detailed Technical Requirements

User Metrics Requirements

1. 300 users until the end of first year. (The system must be scalable and supports concurrency.)
2. The maximum count of users for the application is unlimited.
3. 500MB for each user.

Performance Requirements

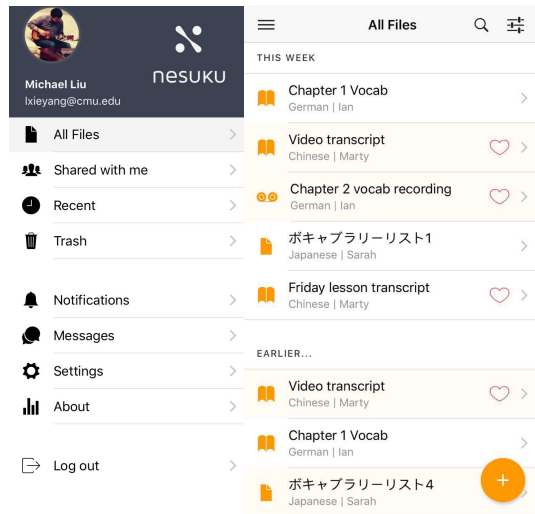
1. The system will be available 24/7 and it will achieve 99.9% uptime.
2. Content only pages have to be processed and rendered in lesser than 0.5 second(s) in general cases in both Android and iOS system (not considering the speed of data response transfer).
3. Data driven web-pages have to processes and rendered in lesser than 2.0 second(s).
4. The crash rate should be lower than 1/month.

Current Progress

We've
accomplished

A registration and login form with an orange background. It includes input fields for 'Email' and 'Password', a 'Login' button, and a 'Create New Account' link.

register / log in



main page

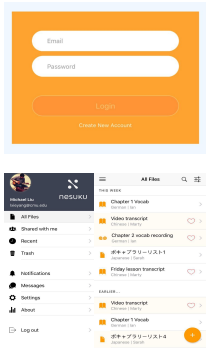
A text editor interface with a blue header bar labeled 'Edit file:'. It includes input fields for 'Name...' and 'Content...', and buttons for 'Save', 'Share', and 'Leave'.

text editor

An audio recorder interface with a blue header bar labeled 'Edit audio file:'. It includes an input field for 'Name...', a digital display showing '00:00:00', a red record button, and buttons for 'Save', 'Share', and 'Leave'.

audio recorder

Next Step



Document
viewing

Document
transferring



Local File Management System

Amazon Web
service (AWS)





Username



Password

Log In

[Forget Password](#)



Recent



German Text

Horst

September 6, 2015



Japanese Text

Kaito

September 6, 2015



Japanese Recording

Kaito

September 5, 2015



Message

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September 5, 2015



Japanese Text 3

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Japanese Text 4

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German Recording

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Japanese Text 5

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Nesuku



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File Name

SAVE

Text Input

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p

a s d f g h j k l

↑ z x c v b n m ⌫

@234





こんにちは

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p

a s d f g h j k l

↑ z x c v b n m ⌫





Japanese Text

Share

Delete

こんにちは



Japanese Text

Share

Delete

こん



Kaito

kaito@example.com



janedoe2@example.com

Add another contact



Japanese Text

Share

Delete



Kaito

kaito@example.com



janedoe2@example.com

Add another contact

Add a new contact

Please enter your contact's email address

michael.liu@sjtu.edu.cn

Cancel

OK



Japanese Text

Share

Delete

こんにちは



Sending your file, please
wait



Japanese Text

Share

Delete

こんにちは

Success!



Recent



Japanese Text

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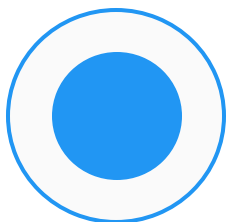
September 2, 2015





File Name

SAVE



00:00:00



1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p

a s d f g h j k l



z x c v b n m



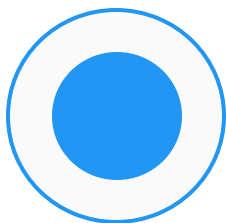
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Japanese 1

SAVE



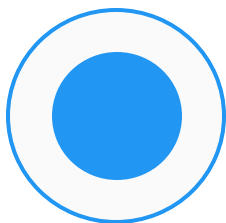
00:01:00





Japanese 1

SAVE



00:01:11

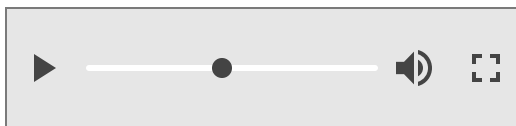




Japanese Recording

Share

Delete





Japanese Recording

Share

Delete



Kaito

kaito@example.com



janedoe2@example.com

Add another contact





Japanese Recording

Share

Delete



Sending your file, please
wait





Japanese Recording

Share

Delete

Success!





Recent

**Japanese Recording**

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September 6, 2015

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Nesuku



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Japanese Text 5

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September 2, 2015



1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l



z x c v b n m



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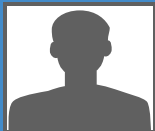


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Nesuku



Recent



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All Files

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Log Out





Nesuku



Send



Discard

To:

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l



z x c v b n m



@234





Nesuku



Send



Discard

To:



Kaito

kaito@example.com

M
te



janedoe2@example.com

Add another contact

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l



z x c v b n m



@234





Nesuku



Send



Discard

To:

kaito@example.com

Hi Kaito

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p

a s d f g h j k l



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Recent



Message

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Font

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Night Mode

Volume



Notification



All Time

Mute all time

Favorites

New Sharing



Michael Llu

12

All Files

Shared Files

Starred

Local

Notification

Setting

About



Log Out

Notification



me

e all time

rites

Sharing



Username



Password

Log In

[Forget Password](#)

Q & A
