

Nesuku Mobile Applications Design Review 1

TEAM 15

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Introduction

Sponsors:

- Logic Solutions: Logic Solutions is a full-service mobile app, web design, and eCommerce development & consulting company.
- Nesuku: Nesuku is a startup aiming to expand and bring access to language learning across the globe, unbounded by geography.

Background

- Nesuku is an online language learning marketplace for students and teachers to have effective experiences using their scheduling, payment, and online video-conferencing tool.

Design Problem

Online language learning



Difficult to organize, view, and share learning materials



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

Team Members

Name	Role	Background
Zhuoran Han	Liaison/Mockup Designer	ECE+NERS
Xieyang Liu	Technology Leader	ECE+CS
Siying Feng	Front End Designer	ECE+CE
Yijun Hou	Back End Designer	ECE+CE
Yanqi Wang	Front End Designer	ECE+CS

More information about the team:
<https://lxieyang.github.io/nesuku-app/>

Literature Search

- Which Approach/Framework to use?
 - Concerns: lack of experienced mobile developers, agile development cycle, limited resources (time, money), etc.
- What we found?
 - Source: *An Introduction to Hybrid Platform Mobile Application Development*¹
 - Hybrid Platform for Mobile Application Development => Ionic
- What does it offer?
 - Platform Independency
 - Low Cost (development & maintenance)
 - Flexibility in the design of interface

Ref:

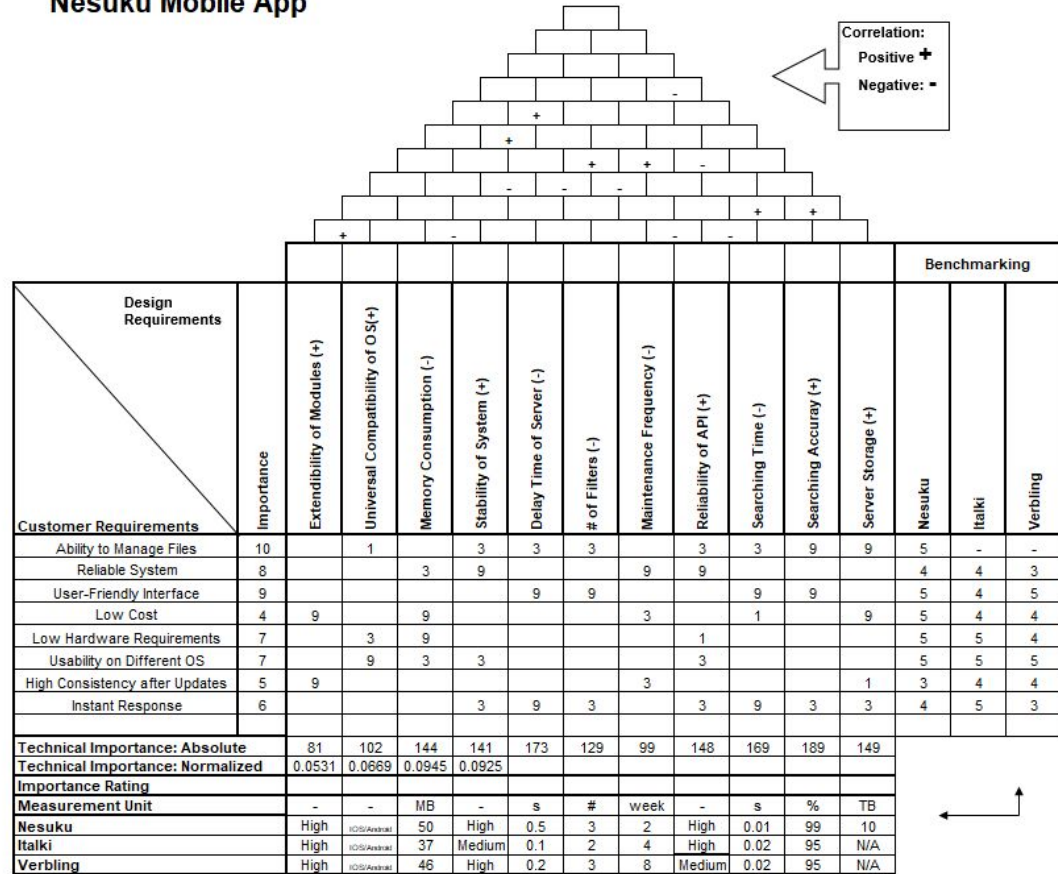
<http://citeseerx.ist.psu.edu/viewdoc/download;jsessionid=1CCB2F54518D758F164A6134A7F7EFDC?doi=10.1.1.695.5170&rep=rep1&type=pdf>

Quantification of Design Specifications

User Requirements	Engineering Specification
Operating System	Mobile OS: IOS, Android
Low Cost	Complimentary
Easily Set up	App Store/ Google Play
Instant Responses	0.01 second
Small Size	Less than 50 MB
Stable System	Optimized Code Frame: Ionic
Maintenance	Bi-Weekly Updating
Large Storage	400 MB

QFD

Nesuku Mobile App



Benchmarking

- Italki
 - No file sharing functionality
- Verbling
 - File sharing is available
 - No file creation
- Wyzant
 - Built-in emailing system for attachment
 - No file creation or management
- Nesuku
 - Built-in file sharing system
 - Support file creation and management



Project Schedule

Task	May					Jun					Jul					Aug			
	May 1	May 8	May 15	May 22	May 29	Jun 5	Jun 12	Jun 19	Jun 26	Jul 3	Jul 10	Jul 17	Jul 24	Jul 31	Aug 7	Aug 14	Aug 21	Aug 28	
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set up database						<div><div></div></div> set up database													
master ionic and AngularJS						<div><div></div></div> master ionic and AngularJS													
master Laravel						<div><div></div></div> master Laravel													
App UI implementation						<div><div></div></div> App UI implementation													
backend API design and implementation						<div><div></div></div> backend API design and implementation													
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design review 3									<div><div></div></div> design review 3										
prototype evaluation										<div><div></div></div> prototype evaluation									
make modification and improvements										<div><div></div></div> make modification and improvements									
round 2 test and deployment											<div><div></div></div> round 2 test and deployment								
Design Expo															<div><div></div></div> Design Expo				

Q & A
