Swoice

SWOICE TECHNOLOGY SHOWCASE & ROADMAP

Ben Ahmed
CTO
SWOICE

USER EXPERIENCE

Swoice

OUR CONSUMER B2C APP SWOICE

USER EXPERIENCE

Swoice

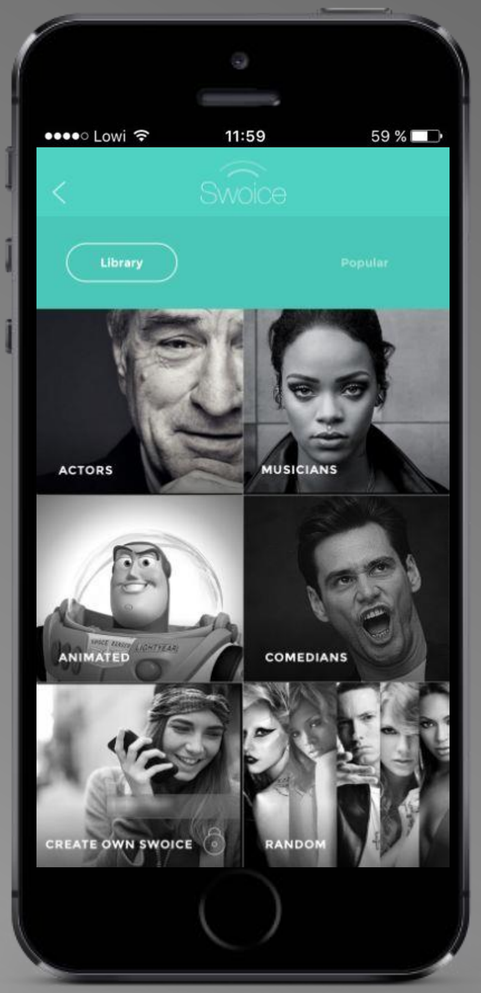
1) Easy Swipe Navigation

2) Swoice Library Chooser

3) Integration to Social media Platforms:

TECHNOLOGY

Using Artificial Intelligence for the creation of our Voice Filters (*Swoices*)

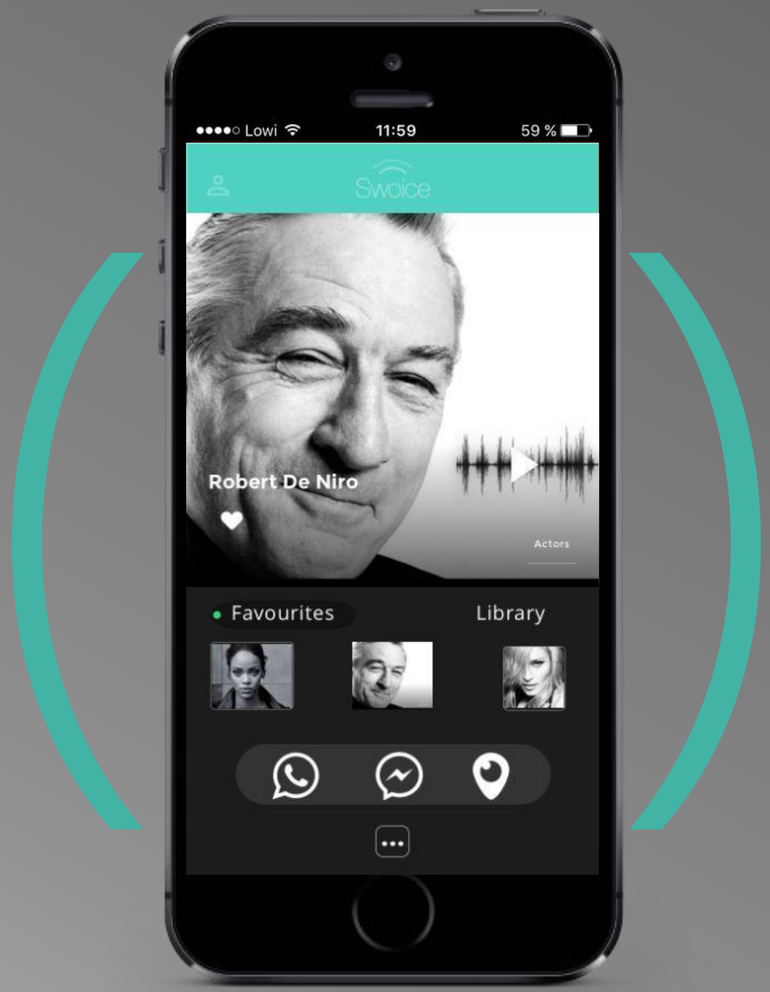


1) With every recorded voice message on *Swoice*, we grow our own voice library in order to train our algorithms.

2) Our algorithms are created in a way, that our engine becomes smarter and more precise over time, the more *Swoices* sent through our application.

Swoice

BACKEND



Swoice

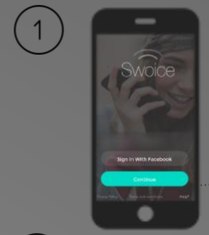
OUR BACKEND INFRASTRUCTURE

Swoice Utilises Machine Learning technologies to bring the Product to market

Swoice DataFlow Architecture - TO BE

illustrates at what points of the Application Data is Captured.

D A T A



1

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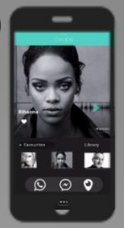

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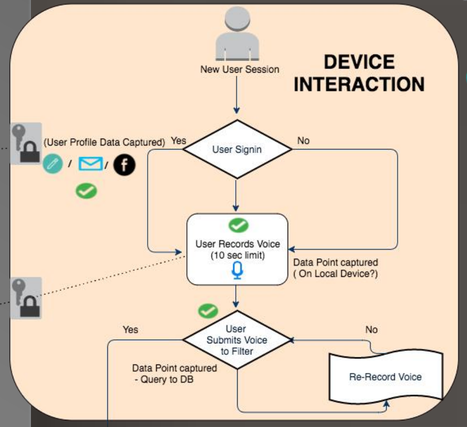
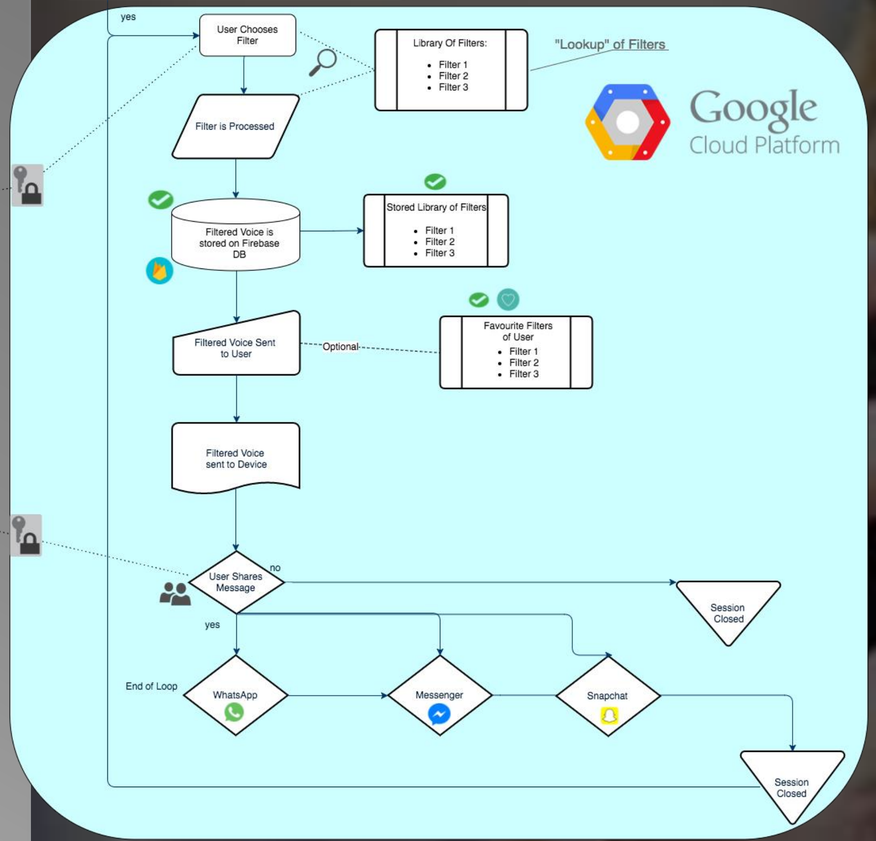




Data Capture Point, Where we Capture Data in the Application

New User Session

Filtered Favourites

Firebase Database

Google Cloud Platform

with Secure End to End Encryption

Swoice

Our **Current** Application infrastructure Architecture

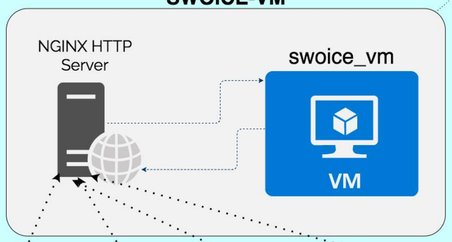
Swoice

NOW

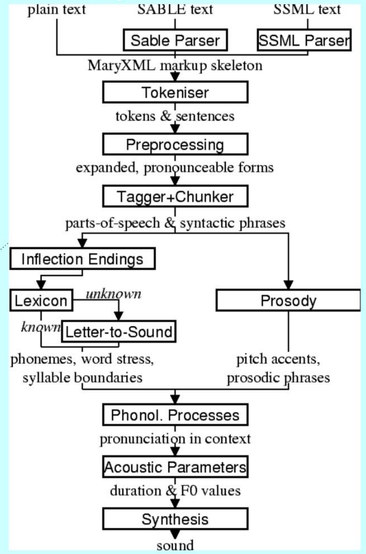
GOOGLE CLOUD PLATFORM LAYER

Google Cloud Platform

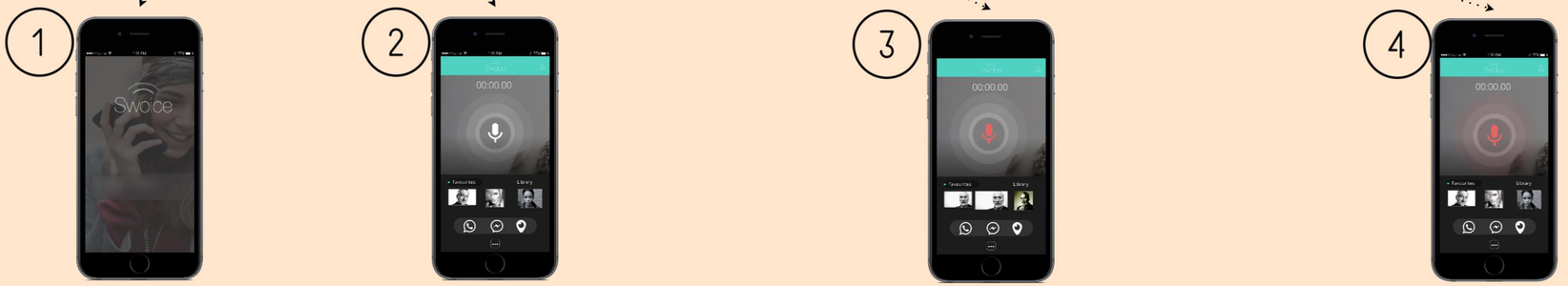
SWOICE-VM



MaryTTS Architecture



DEVICE LAYER



Our Future SCALED UP - infrastructure Architecture

Swoice

TO BE

GOOGLE / AWS - CLOUD PLATFORM LAYER

Compute Engines - IaaS | Cloud Platform

amazon web services™ | EC2

SWOICE VM-Cluster 1

swoice_vm — VM

swoice_vm — VM

Data Point captured
(On Local Device?)

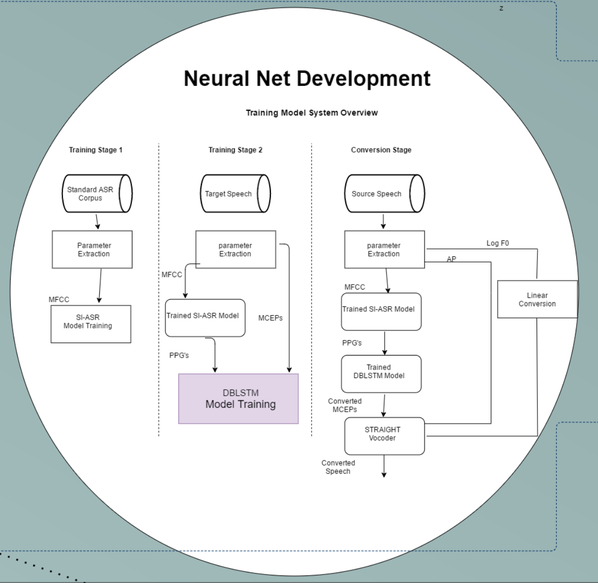
SWOICE Web - Cluster

Scalable Servers

NGINX HTTP Server #1

NGINX HTTP Server #2

Neural Net Development



SWOICE VM-Cluster 2

swoice_vm — VM

swoice_vm — VM

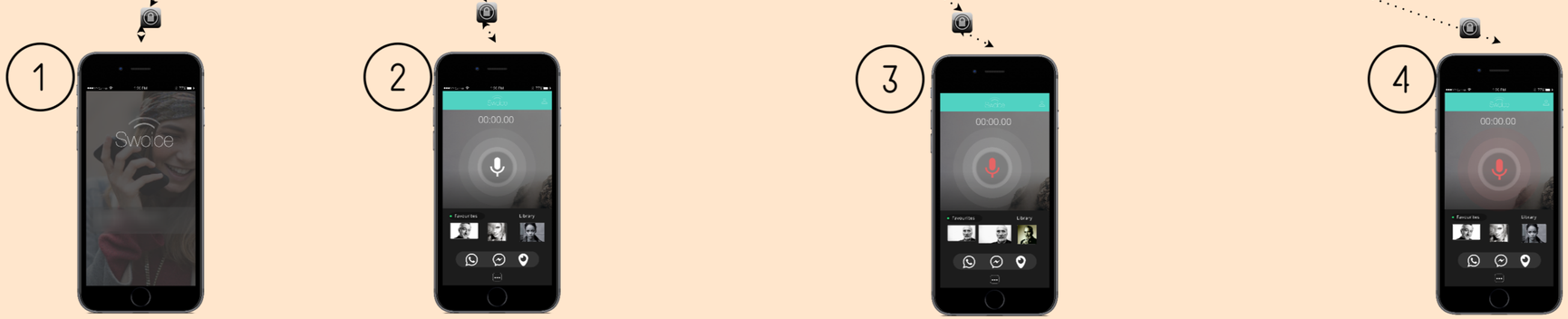
SWOICE VM-Cluster 3

swoice_vm — VM

swoice_vm — VM

With Secure End To End Encryption Similar to:

MOBILE DEVICE LAYER



Our Future SCALED UP - infrastructure Architecture

Swoice

T O B E

AMAZON AWS CLOUD PLATFORM LAYER

Compute Engine - IaaS | Google Cloud Platform

amazon web services™ | EC2

SWOICE VM-Cluster 1

swoice_vm — VM

swoice_vm — VM

SWOICE VM-Cluster 2

swoice_vm — VM

swoice_vm — VM

Scalable VMs

SWOICE Web - Cluster

NGINX HTTP Server #1

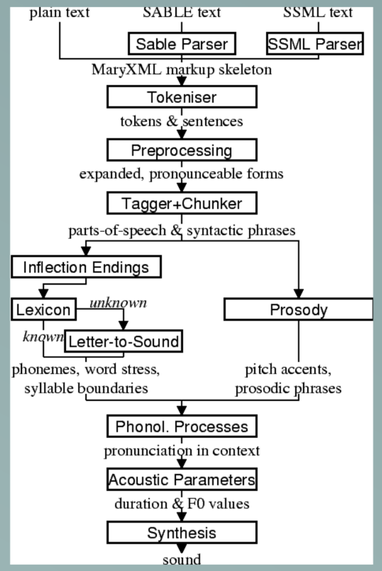
NGINX HTTP Server #2

SWOICE VM-Cluster 3

swoice_vm — VM

swoice_vm — VM

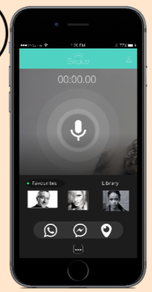
Processes



MOBILE DEVICE LAYER

1

2



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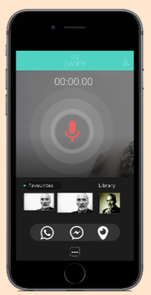

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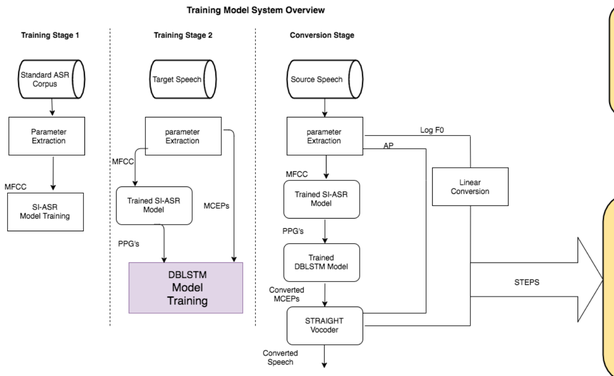
MACHINE LEARNING

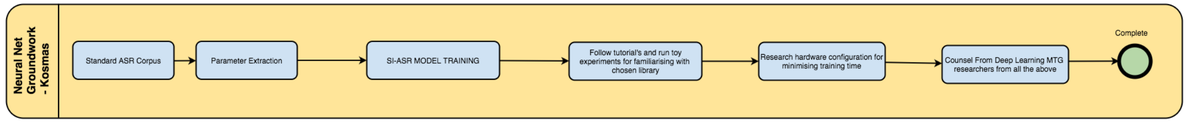
NEURAL NETWORKS DEVELOPMENT With Machine Learning

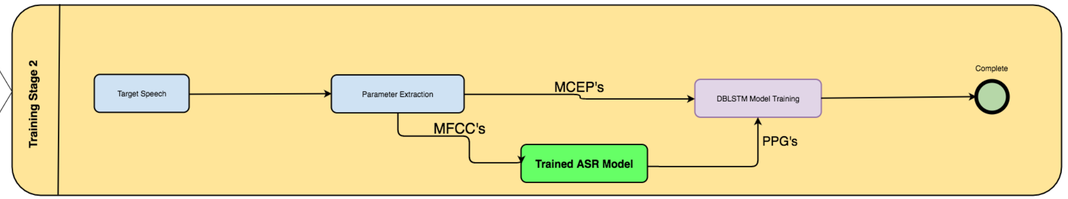
Swoice

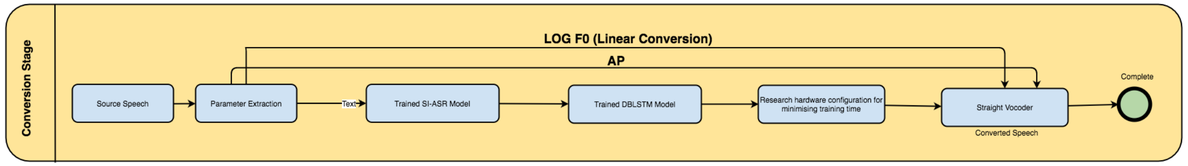
Neural Networks Development

This is the theory we should follow

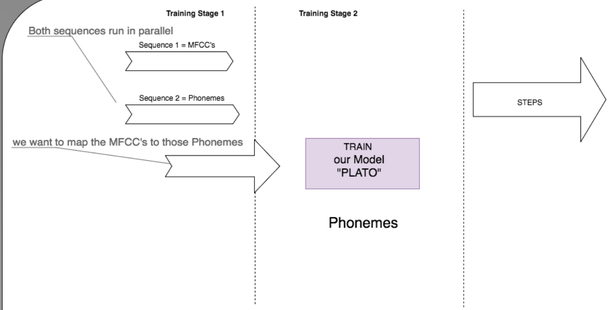


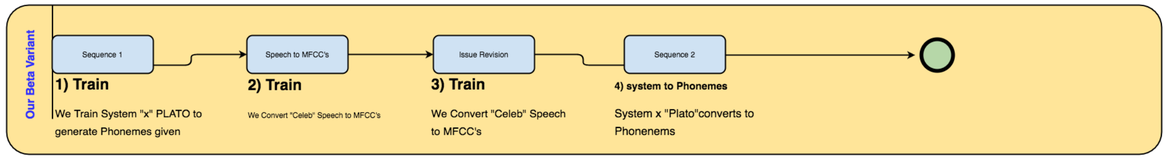






Our Development Approach





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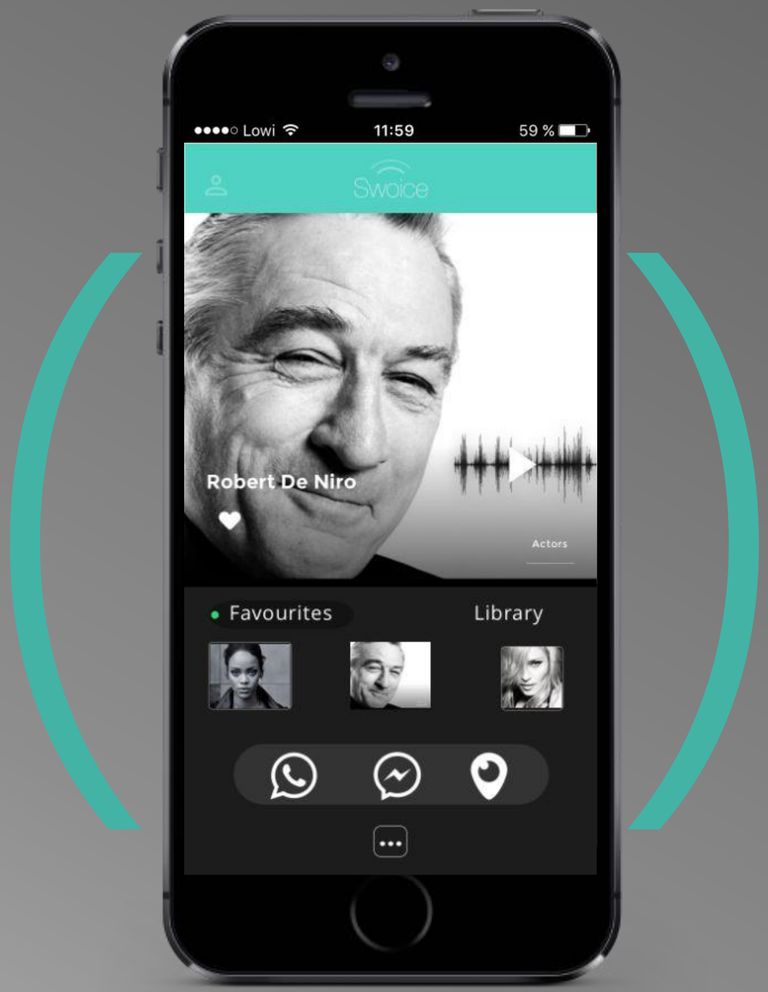
Swoice

RELEASE PLAN

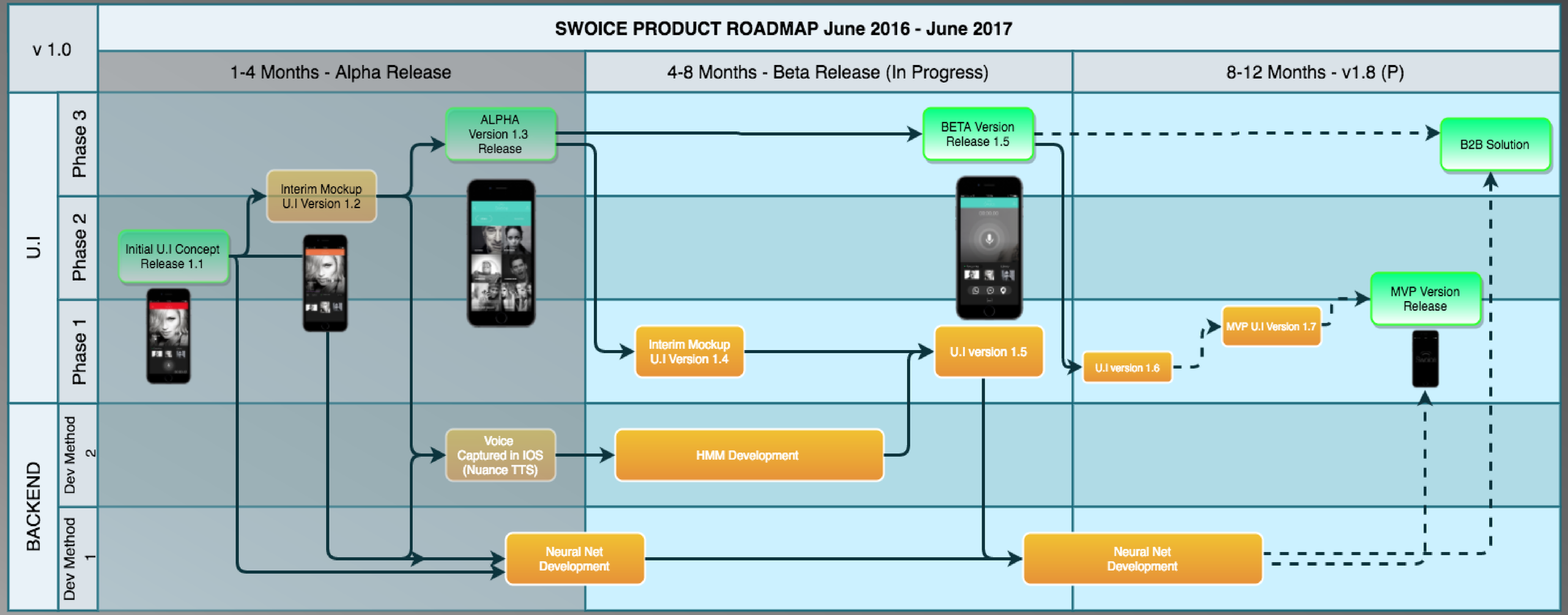


Swoice

OUR PRODUCT ROADMAP TO RELEASE

WHEN WILL IT BE READY?

OUR PRODUCT ROADMAP



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THANK YOU.