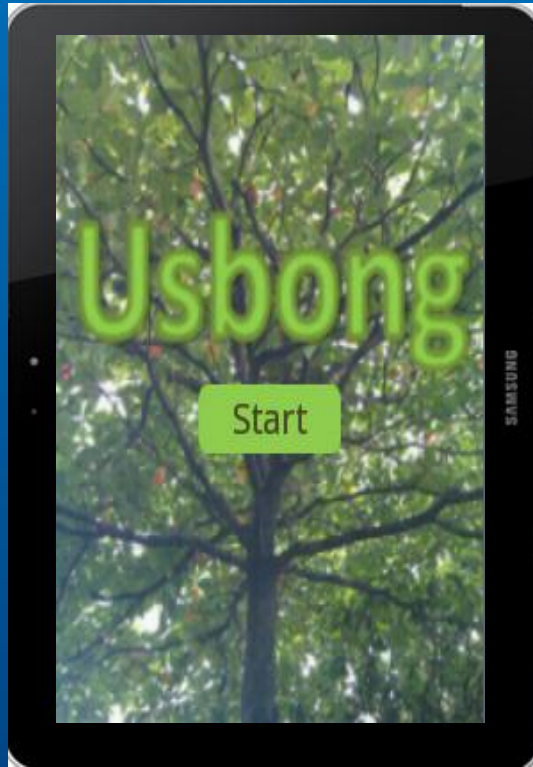


# Usbong: ICT4Health



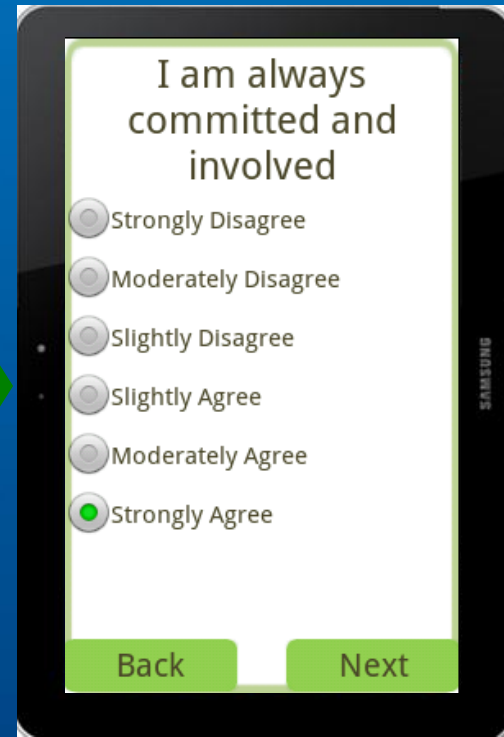
Michael B. Syson, M.S.

Ateneo Innovation Center  
Japanese Studies Program

Ateneo de Manila University

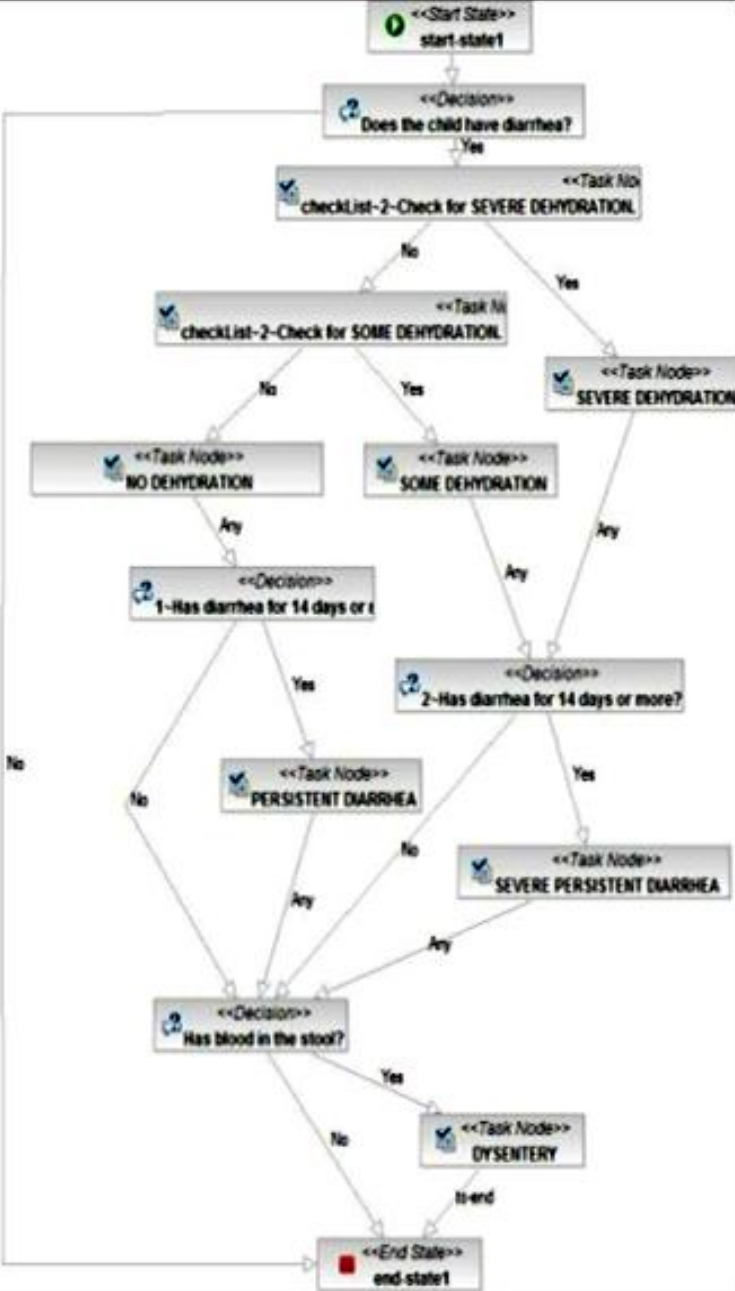


flowchart  
cookbook recipe  
branching storybook  
step-by-step guide  
clinical pathway  
**creation**



# Usbong4HealthCare +

First Aid  
Medical Triage  
Telerehab  
Pediatric Care  
Geriatric Care  
+Psychology  
Autism Screening  
Schizophrenia Treatment



Pharmacological treatment of schizophrenia

Has adequate response; no intolerable side effects?

- Yes
- No

Back

Next

Back

Next



Screening and Diagnosing of Autism

Absolute Indication for Immediate Evaluation: (Please check all that applies)

- No babbling, or pointing or other gesture by 12 months
- No single words by 16 months
- No 2-word spontaneous (not echolalic) phrases by 14 months
- ANY loss of ANY language or social skills at ANY age

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Next

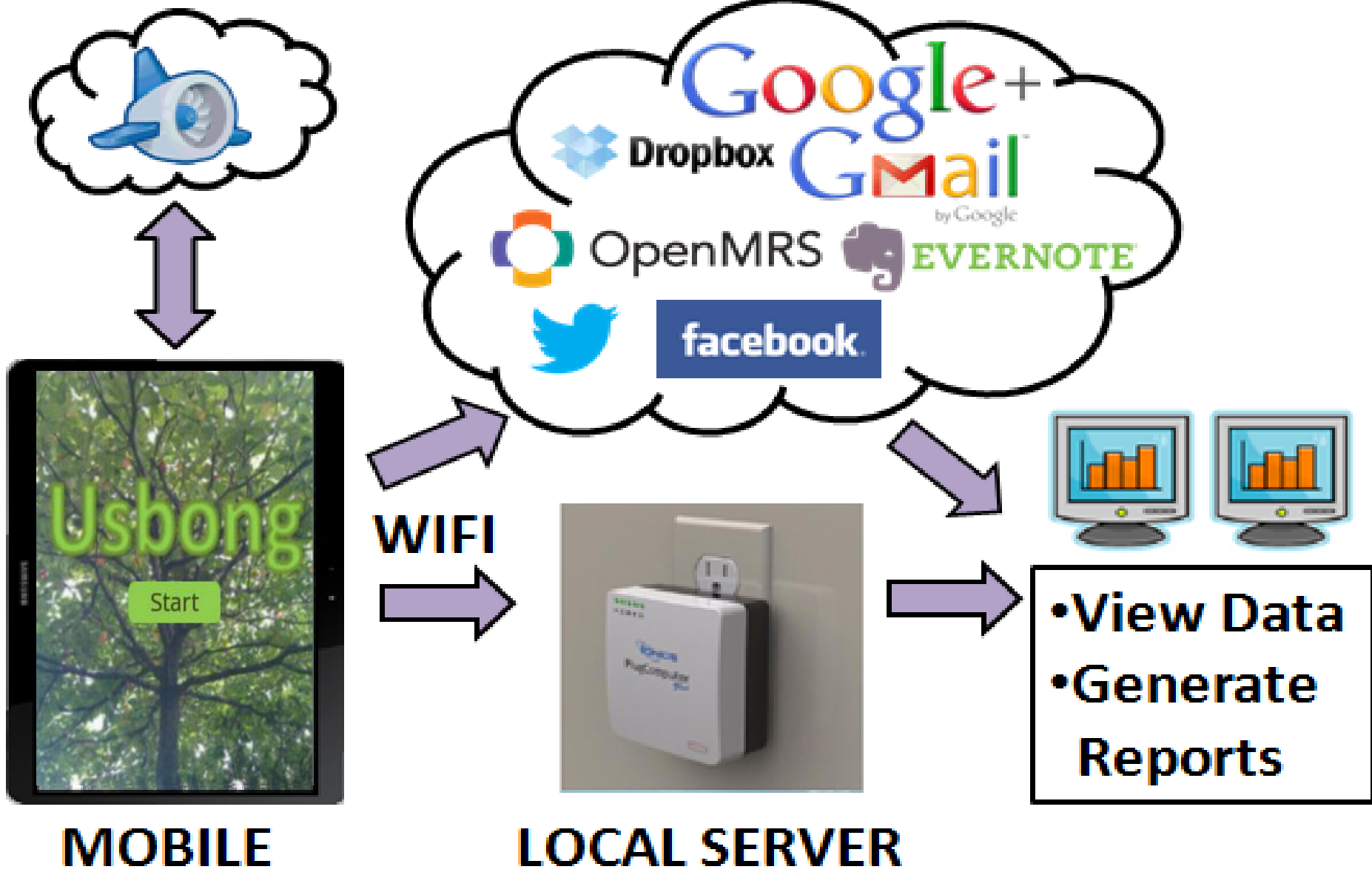
Back

Next



# ACCOUNTS SERVER

# WEB



**MOBILE**

**LOCAL SERVER**



Isalaysay ang nangyari.

Rekord

Hinto

Play

Back

Next

Paint Screen

Run Paint

hello

Back

Next

The camera is also available for you to use!

Take Photo

Back

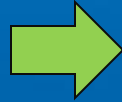
Next

Patient ID

Get QR Code

No QR Code content has been saved yet!

Back Next



QR Droid

KAYWA QR CODE



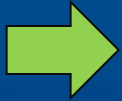
Patient ID

Get QR Code

QR Code content successfully saved!

--  
12345678

Back Next



Send data to a cloud-based service?

Yes

No

Back Next



Compose

From usbong.com@gmail.com

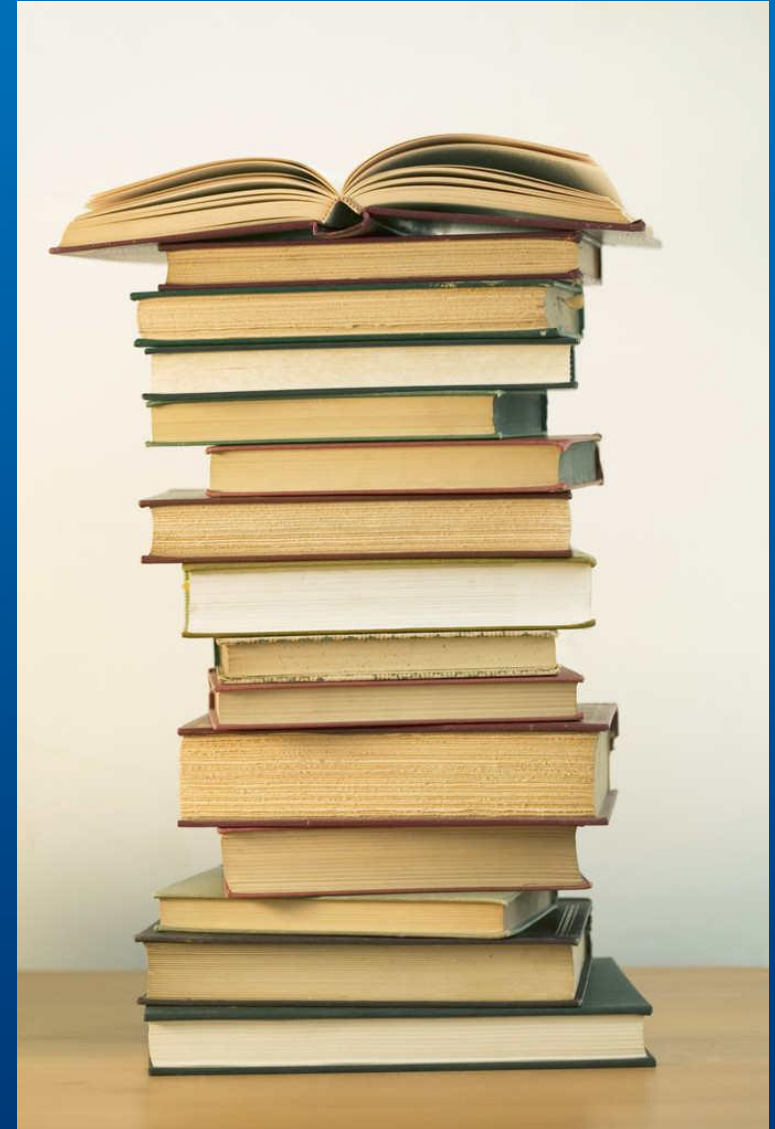
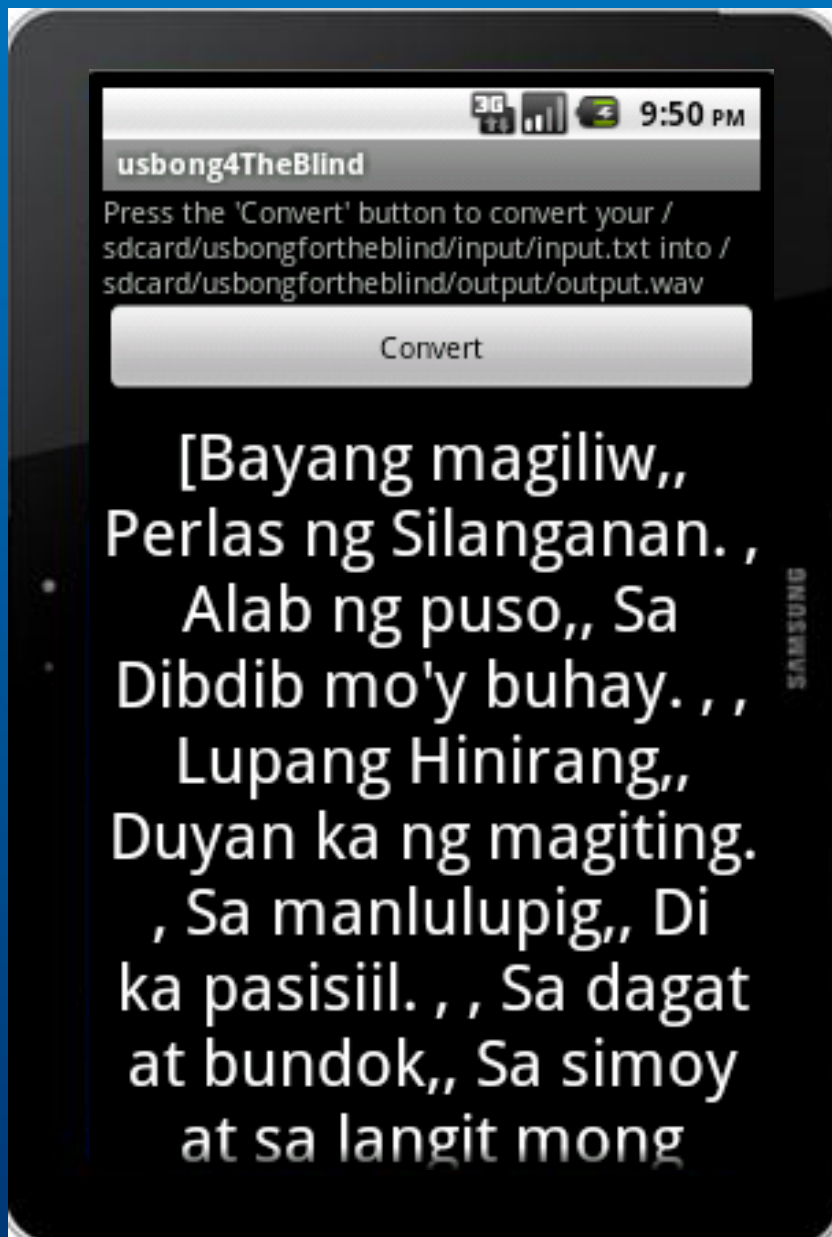
"masarapmabuhay@gmail.com" <masarapmabuhay@gmail.com>

usbong;24-12-2012-13hr43min50

Y,12345678;Y;



# Filipino Text-to-Speech

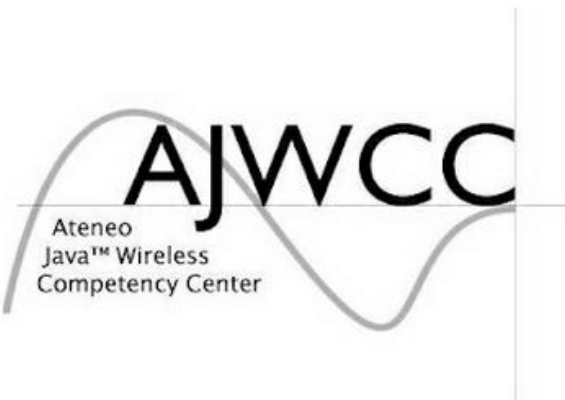




# ~Key Partners~



ALSONS AQUACULTURE CORP.



# Status (1/2):

- 1) Usbong can “play” end-user generated trees
- 2) Components include: Camera, Audio Recorder, TextFields, Radio Buttons, Checkboxes, QR Code Reader, Paint, Image Display, GPS...
- 3) Trees can be generated using a GUI/spreadsheet
- 4) Use of HTML tags = OK  
(e.g. change font color, font size, add hyperlinks)



## Status (2/2):

- 5) Sign-in/Create Account page
- 6) Usbong speaks in Filipino, English, and Japanese
- 7) Text Language can be set
- 8) Data is stored in the SD Card (as .CSV, .JPG, .3GP)
- 9) Data can be sent to a web server (e.g. custom, openmrs)
- 10) Data can be sent to Gmail, G+, Dropbox, Facebook, Twitter, Evernote...



# Challenges:

## 1) Technology Adoption

- Tech upgrade = not priority
- **Remedy:**
  - cost-benefit analysis
  - focus first on early adopters

## 2) Cross-platform Interoperability

- **Remedy:** use open standards

## 3) Security

- **Remedy:** data encryption and authorization

## 4) Privacy

- **Remedy:** Make sure patient owns data



# Do visit our website!

<https://sites.google.com/site/theusbongproject/>

