

Aware

Specification Summary v. .1

What is Aware?

- A sound activated mobile phone/pda client that retrieves data from google and “speaks” it back to the end user
- An image activated phone/pda client that matches images against google images to identify the image

How Does It Work

- Voice and Text Command system triggers google look ups against google API
 - Commands
 - Definitions and Translation
 - Define: [word or phrase] – reads back definition of word or phrase
 - Origin: [word or phrase] – gives you linguist orgin of word
 - Translate: [language from, word, language to] – translates between languages
 - Geography
 - MilesTo: [zip from, streets from, zip to, streets to] – gives you mileage and/or time
 - Starbucks: [zip or streets] – spits back nearest starbucks
 - ATM: [zip or streets] – spits back nearest atm info
 - MeetInMiddle: [zip at, zip to] - spits back a coffee shop or restaurant in between two locations
 - People
 - Phone: [name] – reads back phone number for name given
 - CallerID: [Phone] – reads back name of phone number given
 - Who is [name] – reads back info from first result and latest job from google spidered linkedin profile
 - Misc
 - Stock: [ticker or company] – reports back stock price
 - Calculate:[mathematical phrase] – computes answer or converts units
 - Celebrity: [name] – a sub service that lets you look up last movies or news on celebs
- API retrieves results and gives off to mobile client for text to speech (and other methods)

Ambient

- The Aware application can also be set to LISTEN to the environment via the headset, rather than be on demand.
- In listening mode specific sounds are automatically parsed and identified as a query. Results are can be read back as they come or displayed on screen. Examples
 - Listening in to a conversation in another language
 - Listening to a sales pitch and having info presented back
 - Listening to a lecture and getting terms defined

Actual Tech

- J2ME client
 - using JASPI for TTS-
<http://java.sun.com/products/java-media/speech/forC>
 - CloudGarden and Sphinx4 where appropriate
- Bluetooth headsets supported and one branded one being developed
- Awaiting Iphone SDK for client decision there

Schematic

mobile headset

speech recognition

j2me proxy services

google api

real time scraper (linkedin, others)

image finger printer

yahoo api (as fall back)

messaging and archive

Use case

- You are at a business conference
- You meet all sorts of people that you want to know without them knowing information about them, real time during conversations
- You hear terms and acronyms you never heard before and you have them defined real time

Use case

- You get invited to a lecture or public speech
- Persons presenting use terminology, language and concepts that are confusing or new and you have the defined and translated throughout the discussion

Use Case

- You go to an interview and turn listen mode on
- Inbetween people interviewing you, you glance at the text read out from the listen mode and don't seem ignorant as the day goes on

Use Case

- You travel to a city you've never been and have a virtual tour guide as you go