

**December 10, 2012**



I. BRAINSTORMING: FEATURES

i. Must

ii. Wish

iii. Not in scope

ix. Other/solutions

II. TEAM ROLES

III. AGENDA □

**I. BRAINSTORMING: FEATURES**

**i. Must**

- USER: hard-of-hearing, ages 15-25, deaf hearing old, short-term users 1-5 years
- DESIGN: function button, stays on user, volume control, sports compatible, conforms to helmets hats glasses etc, waterproof in rain/repellent, safe, on/off switch, standard nomenclature blue X red O, easy to clean, rechargeable battery, max volume limit, data transferable, reprogrammable by audiologist, ventilation, improved controls, safety controls

**ii. Wish**

- Feedback suppression, easily changeable battery, battery low indicator, USB high power charging, NOAH certified, bluetooth, connection to wireless remote/app, user configured (programmable by user), reversible head (right or left ear), FM system, “headphone”

integration, customize colors, listen to music, multiple hearing modes, emergency sirens alert (fire), ultra small design, directional microphones, noise cancellation.

### **iii. Not in scope**

- User interface on computer for user, self-learning/adjusting to environments, self refining

### **ix. Other/solutions**

- Wireless charging (induction), smartphone physical integration, vibrations

## **II. TEAM ROLES**

project manager: coordinating dates, deliverables, leading general meetings

physical engineer: oversees mechanical design (form, design)

systems engineer: overall system integration of electrical and physical

budget: makes all purchases, documents receipts, upload information through excel

web editor: organizational lead (folders, table of contents, etc), may upload if necessary

secretary: typing minutes, keeping track of information, room reservations, keeping up with team leaders agenda

customer relations: arranging study/focus groups, customer guru, arranges data, organizes data in visual formats

lead electrical: oversees electrical design

project manager: Ally  
physical engineer: Kelly  
systems engineer: Connor  
budget: Eric  
web editor: Nanxi  
secretary: Paula  
customer relations: Marbella  
lead electrical: Ron

+: post-it notes, stayed on schedule, good goals,  
everyone was on time,  
-: labels, more clear in our activities and discussions,  
Nanxi was locked out (update ID id's), late meeting  
time

### **III. AGENDA**

TOMORROW MEETING 11am:

- bring printed benchmarking
- ask about ID id's
- ask about hard of hearing professor
- start looking at specs
- function decomposition