**Product Vision Meetings Notes:**

**Date: 14 Jan 2016, Thursday**

**Agenda:**

* Talk about new ideas for apps for cars and other apps to use speech engine
  + Voice board app: voice only key board – how to enable correction/modification to the text and punctuation
  + Transcription application including legal, professional, and medical
  + Live text for sport and other broadcast where you cannot listen to audio: school or work
* Status of loop experiment loop #3
  + https://docs.zoho.com/file/jfn4p6d76d0e887d441228a698269216cc024

**Discussion:**

* Discussed the partnership with Baidu Map Team
  + Make sure we work on speech and also some NLP
* Discussed some new idea
  + Live transcription and translation. Make a demo as soon as possible. Use either Baidu translation API or third party API for demo

**Action items:**

* Work on plan and process for working with Map team
* Work on demo plan for live translate app. Present first draft demo spec

**Date: 12 Jan 2016, Tuesday**

**Agenda:**

* Discuss our goal and focus for 2016
* Status of loop experiment loop #3
  + https://docs.zoho.com/file/jfn4p6d76d0e887d441228a698269216cc024
* Discussion on our approach to Voice User Interface (VUI) design
  + https://docs.zoho.com/file/k6vglda05700f4bb4479596724c1dd5cbd0e0

**Discussion:**

* Focus on Car application
* Work on supporting Map team
* Look for application for speech engine

**Action items:**

**Date: 17 Dec 2015, Thursday**

**Agenda:**

* Discuss our goal and plan for VUI for 2016
* Start the discussion on our approach to Voice User Interface (VUI) design
  + Go over brief overview of Why/What of VUI (Will discuss how in details in future)

**Discussion:**

* Discussed 2016 plan for product team
* Went over VUI presentation: https://docs.zoho.com/file/k6vglda05700f4bb4479596724c1dd5cbd0e0

**Action items:**

**Date: 08 Dec 2015, Tuesday**

**Agenda:**

* Current product information:
  + Google vice search user study numbers
  + Benchmark CarPlay (Siri)
    - User study and review of CarPlay: 3 different use case
    - Capability of Siri: examples from different domains

Link to document: https://docs.zoho.com/file/001of67086ad9cdd14cef933dd26627d2b103

**Discussion:**

* No meeting this Thursday (10 Dec)
* What to do next: define naturalness
  + Robustness, naturalness, and coverage
  + Acoustic model variation vs. language variation
  + We decided that for now we will focus on car, China market, and few frequently used apps in car (Navigation, Music, News, Weather)

**Action items:**

* Next step is to work on “natural” voice interface in car for China market

**Date: 03 Dec 2015, Thursday**

**Agenda:**

* Discuss current focus for product space
  + Car related application?
  + Speech only technology? Or What NLP functionalities are feasible for the team right now?
* Go over some market/user information on Voice in Car

https://docs.zoho.com/file/001of67086ad9cdd14cef933dd26627d2b103

**Discussion:**

* Market/User Info
* Car related application?
  + Should we focus on car and dig deep to solve the adoption problem or should we try new area but uncertain area?
  + The need for “natural” interface
  + May be limit functionality/option (limited expectation) to improve user experience
* Speech only technology?
  + What NLP functionalities are feasible for the team right now?
  + Semantic parsing: Intent detection and slot filling
  + Dialog management

**Action items:**

* Next step of product research: Benchmark Siri and Google now for 3 top application areas: Navigation, weather, music

**Date: 01 Dec 2015, Tuesday**

**Agenda:**

* Wizard of Oz experiment for CarLife+
* POI database for limited area
* Status of loop experiment loop #3
* Short discussion about purpose and structure of Product Vision meeting

**Discussion:**

* Wizard of Oz experiment for CarLife+
  + Wait till Thursday for Helin to be back
* POI database for limited area
  + Kenny has provided POI 2 files with 30 POI in each and will try to get more from foursquare
* Experiment Loop #3
  + Waiting for app to be ready to test and start the experiment
* Purpose and structure of vision meetings:
  + Is the constraint of car limiting?
  + We agreed that core goal is to find ideas that are both valuable and feasible.

**Action items:**

* + Finalize Wizard of Oz experiment for Carlife+
  + Check on POI data collection
  + Check if we can start loop #3

**Date: 24 Nov 2015, Tuesday**

**Agenda:**

* Wizard of Oz experiment for CarLife+
* POI database for limited area
* Status of loop experiment loop #3

**Discussion:**

* Wizard of Oz experiment for CarLife+
  + Use WeChat for this experiment
* POI database for limited area
  + Sepc Min: Name, Category, Address, GCO code (GPS)
  + Sepc More: POI alternative names
  + Lei li will do some basic search to get some data files
  + Kenny has provided POI 2 files.
* Experiment Loop #3
  + Pick 10 destinations in Sunnyvale that has more than 5 choices
  + Create a download link for the app
  + Pick an analytic service and integrate it to the app
  + When will be ready: Next Thursday
  + Clean up the process before experiment: Bijit Libby
  + Experiment with 10 users with at least 5 tries per user and gather statistics

* Experiment Loop #5
  + Is it possible or feasible to get some idea about average number of choices for routes?
  + Identical to loop #3 but for TakingRoute
  + Need to build a touch based user interface. Need to discuss choices: Completed
  + Decided to offer 10 destination choices at the start. Each choice should have multiple route options.
  + Is it possible or feasible to get some idea about average number of choirs for routes?

**Action items:**

* + Make a shared directory for data on Unix Server

**Date: 19 Nov 2015, Thursday**

**Agenda:**

* Discuss plan for Wizard of Oz experiment for CarLife+
* POI database for limited area
* Experiments loop #3 and future plans

**Discussion:**

* Wizard of Oz experiment is in planning stage. We need to think about how to implement it: easy and reasonably useful
* POI data will be collected from sites like Yelp
* Experiment loop #3 is finalized and started planning for loop #5

**Action items:**

* Wizard of Oz experiment for CarLife+
  + See how we can use Wechat or Skype to mimic the real app experience
  + Think about what restriction to use for the "server" side to be realistic
  + Our goal is to remove the need for a person to be in the car
  + Make sure direction is never compromised due to other information
  + Reduce the 5s delay latency
* POI database for limited area
  + Kenny will work to see how to get dense POI for Sunnyvale from Yelp or other sources
* Experiment Loop #3
  + Pick 10 destinations in Sunnyvale that has more than 5 choices
    - Starbucks, MacDonald, CitiBank, Peet's Coffee, 24 hours fitness, Pizza
  + Create a download link for the app
  + Pick an analytic service (Kenny/Lie Li) and integrate it to the app
  + Experiment with 10 users with at least 5 tries per user and gather statistics
* Experiment Loop #5
  + Identical to loop #3 but for TakingRoute
  + Need to build a touch based user interface (Lei Li and Bijit). Need to discuss choices
  + Decided to offer 10 destination choices at the start. Each choice should have multiple route options.