

Google I/O

San Francisco

14th – 17th May 2013

Logistics

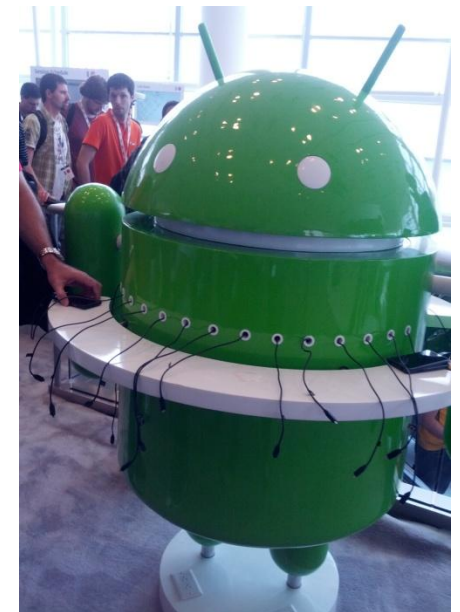
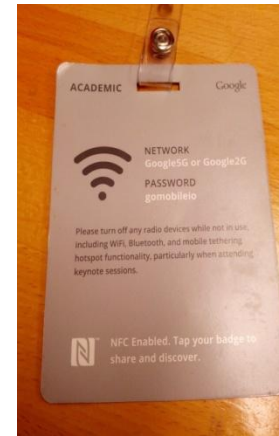


- 3 days
- 6000+ attendees
- 12 parallel tracks
- 200 sessions
- 17 codelabs

Logistics



Some cool toys



Highlights

- Women TechMakers: Little bits
- Keynote
- Google indoor maps
- Google glasses
- Underwater street view
- Online Education

Women TechMakers: Little bits



fan x 1



light trigger x 1



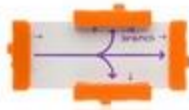
motion trigger x 1



slide dimmer x 1



roller switch x 1



branch x 1



dc motor x 1



buzzer x 1



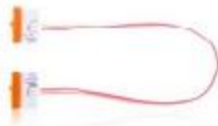
toggle switch x 1



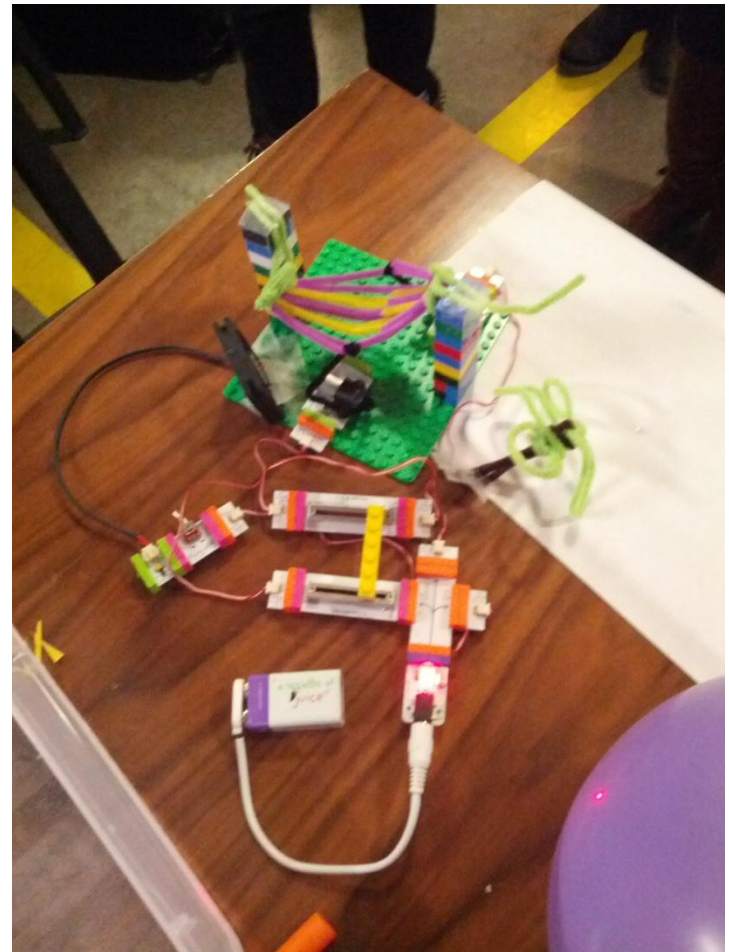
usb power x 1



long led x 2



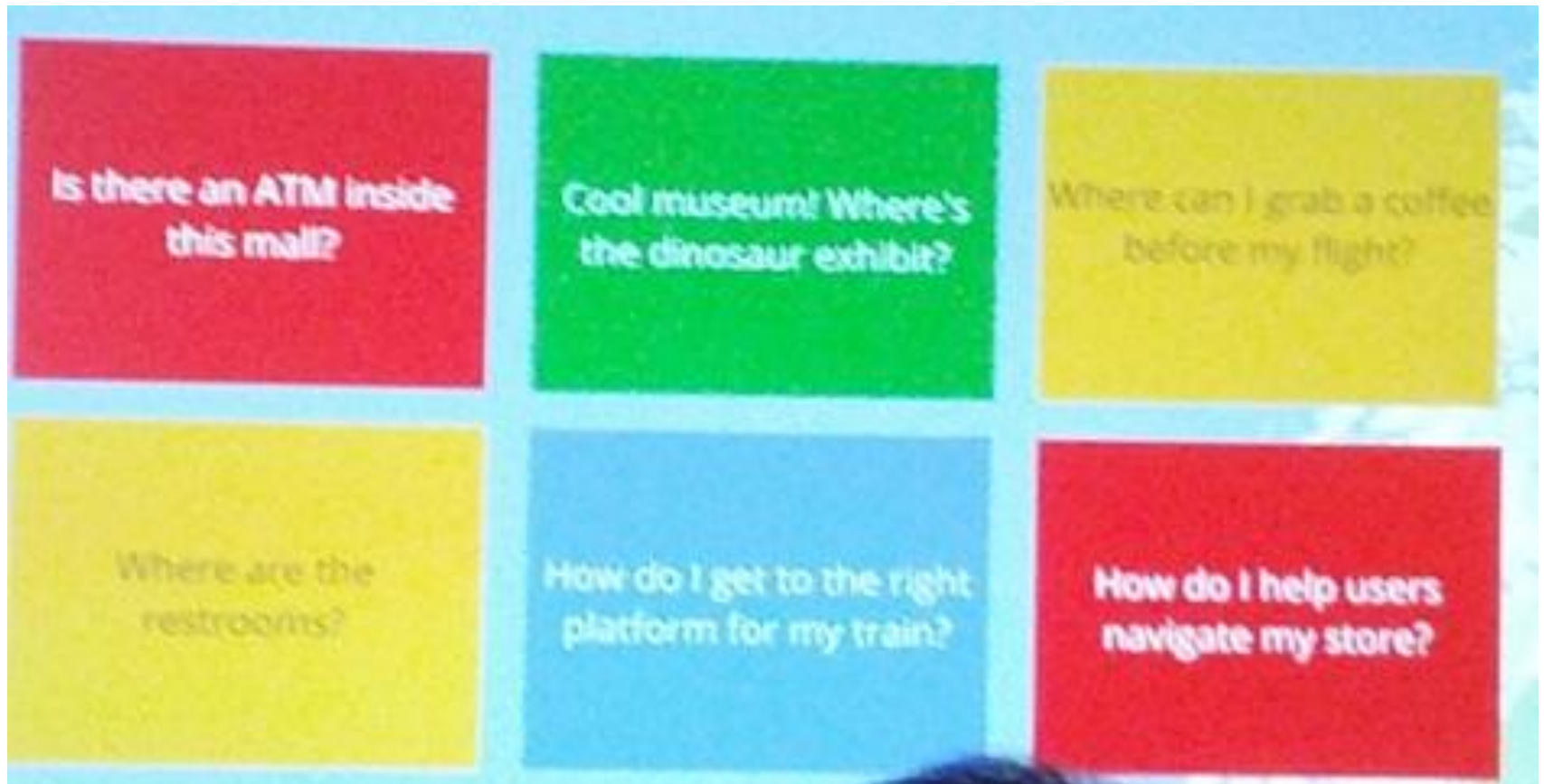
wire x 2



Keynote

- Single cross-platform sign-in, Synchronising notification cross platform
- Google photos: vacation snapshot problem, auto enhance, auto all smiles
- Google maps: new look, customize with your own visited locations, Google earth (eclipse in real time), activity recognition
- Google now: context and location based query and reminders
- Google+: saving hangouts as conversations, flip cards
- Google music - recommender, start a radio, what's next recommended, reorder and delete recommendations
- Developer tools – Android studio, cross-platform visualization, app translation

Indoor Maps



Indoor maps

- What's interesting?
 - Indoor maps coverage
 - High quality indoor location
 - Self-service tools
- What's challenging?
 - where to start mapping from?
 - Ground truth
 - No GPS
 - Which floor?

Indoor maps: Ground truth

Google Maps Floor Plans

Add your floor plans to Google Maps

Help people find their way around public spaces. Here's how:



Add them yourself

1. Find the building on the map.
2. Upload pictures of your floor plans or directories of a floor.
3. Line up your floor plan with satellite images in Google Maps.
4. Submit! This will help us improve Google Maps.

Once processed, anyone will be able to see your floor plans in Google Maps for Android.

[Add a floor plan now](#)

or Google can help

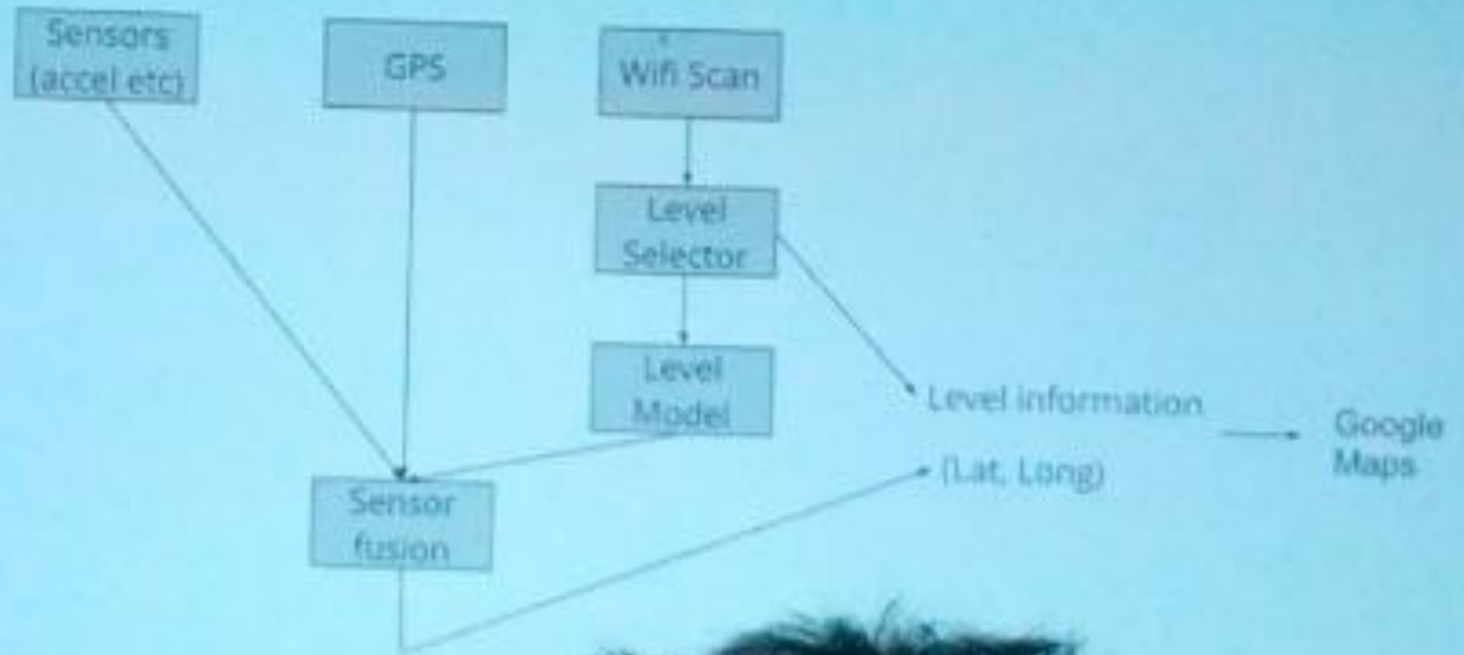
If you'd like help uploading your own floorplans, let us know and we can help. Request help if you:

- Represent a large organization
- Have more than 5 floor plans
- Need help uploading

[Request Help](#)

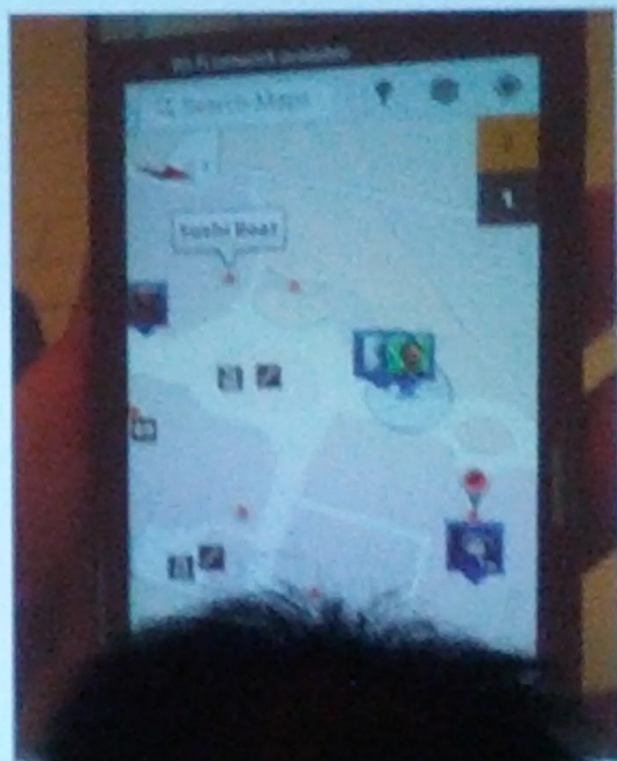
Indoor maps

What happens on the phone?

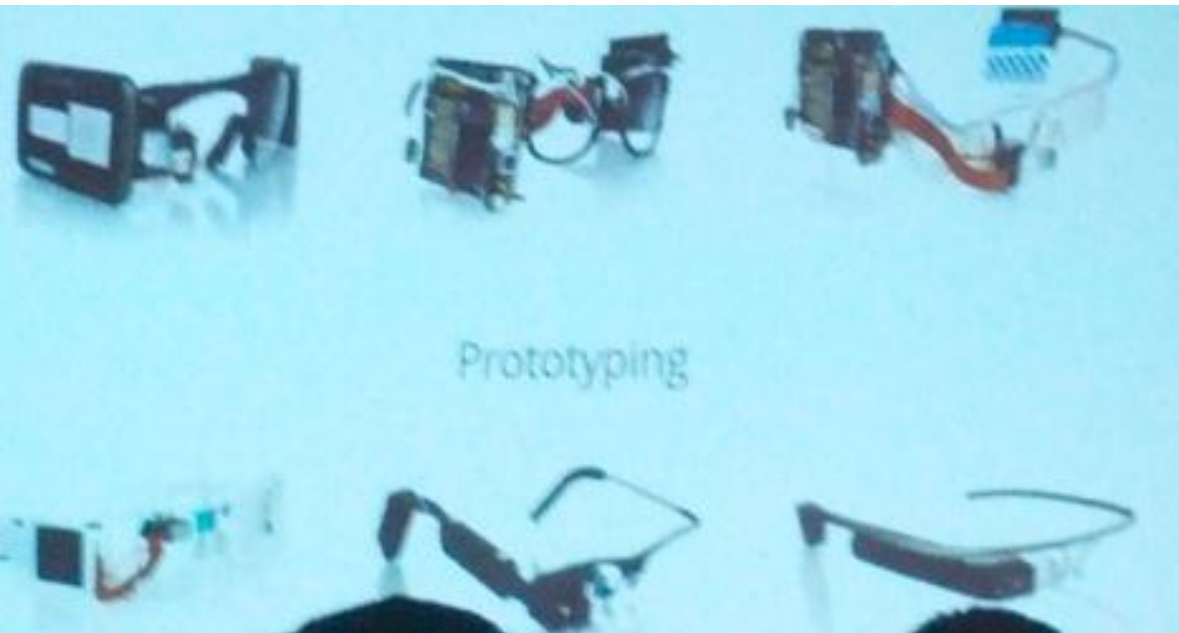


Example 1: Friends in a mall

NOTE: Demo app, not a launched product



Glasses



Google mirror api: topics, services, call back functions

Underwater Street View



Google Earth: Explore the oceans

- <http://www.google.ca/earth/explore/showcase/ocean.html>
 - Dive spots (Wanna dive)
 - Underwater terrain
 - Surf spots
- Species recognition, coral reef recognition, underwater hangouts, photospheres



Online Education

- How much students can do?
- Problems first and then explanation
- Large data so that we can learn and improve the educational methods
- Motivation and not information
- Paper and digital transcripts

Robots?



