Open Project
Project

- Find a partner group
  Team up with up to 6 students

- Choose your own topic. One constraint, it must contain:
  - Distributed component

- Submission due Dec 20, 2013
  - Submit: code, slides, and report
  - 1-minute madness
Register your Team

- Form groups of up to 6 students each
- Via the submission system
  - Create a new group
  - Add members
  - Submit project deliverables as before Dec 20, 2013, 9 a.m.
  - Hard deadline!
Project Report

- Only one report per Project team (3 – 4 pages)
- Focus on technical description of your work
  - Problem statement
  - Requirements
  - Architecture
  - Implementation
  - Usage
Project Presentation

- Prepare slides for 1-minute madness
- Focus on selling your idea
  - Make clear, what your app does, why someone would need it and what's nice about it
  - Motivation, general idea, interesting technical aspects, results, ...
- Include a live demo whenever suitable
- 1-minute madness will take place on Dec 20, 2013
Demo Session

- Demo session will follow the 1-minute madness
- Similar to an exhibition booth
- Possibility to discuss with others
- Answer questions that were raised by the 1-minute madness
Selected projects from previous years

Examples
djCrowd – Interactive distributed music player
HS10: Luchin Doblies, Alexander Grest, Moritz Hoffmann, Jost Joller, Philipp Schmid, David Stolz

- Start up one phone as server (connected to hi-fi system)
- Your friends can connect to the server
  - Check the song that is currently playing
  - See upcoming songs in the playlist
  - Modify playlist by voting for their preferences
  - Upload songs from their phones

+ Web interface to provide access for non-Android devices
DroidPresenter – Presentations remote control

HS10: Andreas Tschofen, Leonhard Helminger, Mathias Buerki, Damian Karrer

DroidPresenter allows you to draw in, point at, zoom in/out and control your presentation through your smartphone.

- Switch slides with your phone
- Point and draw in real time
- Retain control with timer and preview features
 ETH Survival Guide
HS11: Andrea Helfenstein, Andreas Briachli, Marc Egg, Pascal Spoerri, Steven Koeppel

- Localization service
  - ETH access points information
  - Building floor maps and room information

- Technical
  - Python server
  - REST services with JSON interface
  - Position marker overlays
Ferropoly – Monopoly in the real field

HS11: Ameri Michael, Aras Ersan, Marti, Messmer Stefan

- Emulate Monopoly in the real word
  - Travel across Switzerland and buy train stations
  - Ruby on Rails server
  - REST services with JSON interface
Consensus-based Taxi

- Implementation for the consensus problem
- Distributed application to find the optimal cab
Final Remarks

- We recommend you to use Control Version Systems (e.g., Git, Mercurial, or SVN)
  - Github: https://github.com/
  - Slides for the Git-tutorial https://docs.google.com/presentation/d/1BbLSI-ef7dMi2m1JkWTn0fqjbxGo-il8sFQVr9LtUUC/edit#slide=id.p
  - Introduction to Git: http://git-scm.com/book
  - VIS code host: https://code.vis.ethz.ch/

- Deliverables
  - Code (naming convention: vs-nethz-project)
  - Report (3 – 4 pages)
  - Slides for 1-minute madness

- Important Dates
  - Project due on Dec 20, 2013, 9 a.m. (sharp!)
  - Your exact presentation slot will be announced after registration
Have Fun Programming!