MOMO SOFTWARE

«Non scholae sed vitae discimus» Seneca
JOURNEY

- The Gang
- Million-Dollar Question
- The Answer
  - What they’ve done
  - The Momo difference
- The Project
  - What the #$@% ?
  - The road so far
  - Let’s invent future
THE GANG

Burak Kerim
AKKUŞ

Ender BULUT

Hüseyin Can
DOĞAN
THE GANG

«There is true friendship only among good men» Cicero
User interface problems:
- Hard to read while walking,
- Hard to read when it’s dark,
- Hard to type unless standing still,
  ...

Then:

How do we create a user interface adaptable to context and environmental changes?
WHAT THEY’VE DONE? (i.e possible solutions)

- Context Analysis
  - Manual controls
  - Image processing with camera output
  - Sensor processing

- User interface adaptations
  - Manual Controls
  - Discrete changes (preset approach)
  - Continuous changes (dynamic approach)
THE ANSWER

THE MOMO DIFFERENCE (our solution)

- Sensor analysis
  - Less power consuming
  - More Accurate

- Dynamic Approach + Manual Controls
  - More flexible
  - User friendlier
THE PROJECT
THE PROJECT

- Mobile devices containing:
  - Sensors
    - Light Sensor
    - Accelerometer
    - GPS
    - Digital Compass
  - Touch screen
  - Network connection
- A scenario to implement UI
The scenario consists of three parts:

- Multiple users (mobile device actors) communicating with a server and with each other through server
- A control unit (main server actor) providing map and data, transferring messages and giving tasks
- A database controlled by server that stores map images, transferred data, messages and missions
ROAD SO FAR

- Requirement specifications
- Database design
- Using Android emulator
- Running basic Android projects
Paint Battle at METU Campus
Teams with paint weapons
Missions assigned to each
Alliances made
SCENARIO

- Teams communicate
- Server controls the units
- Server guides the messages and information to related units

Team 3
We are coming to support you from. HOLD ON eta: 5 minutes

- Enemy
  An enemy unit detected approaching from west side

Capture
Your primary objective is to capture computer engineering building
SCENARIO
Using sensors on emulator
Implementing dynamic interface with .xml files
FUTURE

- Database implementation with SQL
- Network Implementation
- Integrating scenario into project
Scenario implementation
Creating objects and maps
Semantic zooming
Objects have tags
«This is the end beautiful friend.»
Jim Morrison

Hail and Farewell