Ludwig-Maximilians-Universität München
LFE Medieninformatik
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Übungsblatt 4
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Übung Mensch-Maschine-Kommunikation

Topic: The topic of this exercise are concept videos, a technique to communicate ideas for an application in an early project phase. These concept videos are meant for a mixed audience and should explain the overall idea of an application visually, neglecting technical details.

Submission is by email to `mmi1@hcilab.org`

Storyboard Send in a PDF document (exercise4-group<N>.pdf), containing the storyboard of your video. This can be (preferable) sketches or a rough textual description. **Deadline** for this submission is **Fri, 15.12.2006, 9 a.m.**

Concept Video Deduced from your storyboard create a short (1-5 min) concept video. The video must explain your idea and must be understandable by mixed audience (i.e., technical and non-technical). Send in a link to a website containing your video. **Deadline** for this submission is **Fri, 12.1.2007, 9 a.m.**.

Task 1 (P) Storyboard

In this exercise you need to come up with an idea for a new application using given technology. You are free to choose the exact focus of your application. Make sure that the idea and the presentation includes new and creative approaches. But also make sure that the imaginary scenario could be implemented in a similar way as shown in the storyboard.

Following technologies are the foundation for possible applications:

Location aware mobile phone The platform for the envisioned scenario should be a location aware mobile phone. Location information is gathered via the global positioning system (GPS). You can either envision a future phone with built-in GPS or use a current phone with a connected GPS adapter. Keep in mind that GPS only works outdoors.

Multimedia content Use the multi media capabilities of the selected phone in your application and connect different media types with location information.

Short range communication Make your application multiuser aware through short range communication such as IrDA, Bluetooth or NFC (Near Field Communication).

Long range communication Use the network possibilities of the selected phone to connect your application to the internet (e.g., to upload data).

Task 2 (P) Concept Video

Create a short concept video (1-5 min) that explains your overall idea. Make sure the video is understandable for a mixed audience (technical and non-technical). Include enough detail so that technical skilled observers can deduce wether the idea is feasible.

In your video you can use still images enhanced with screen mock-ups, animations, highlights, annotations, spoken text (text-to-speech synthesis[1] can be used) and music (ensure that you don't violate intellectual property rights).

You can use a program of your choice to create the video some candidates are Adobe Premiere, Movie Maker, iMovie or Macromedia Flash (all of them are installed in the Medialab at Amalienstr. 17). Your video should be in one of the major video formats (mpeg/avi/mov/ogg-theora) make sure that needed codecs are available for free (state which codecs are needed in your submission e-mail).

If you do not own a digital camera, contact us in order to borrow one.

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[1]http://www.naturalvoices.att.com/demos/