Exercise 6 – Mensch-Maschine-Interaktion 1

Task 1: Conduct a Heuristic Evaluation

Thereby execute the following steps together with your group:

1. **Create a Checklist**
   Create a checklist that fits your paper prototyped scenario. The checklist could e.g. consist of Nielson’s heuristics. For each of the main heuristics define a set of specific questions (~ 3-5) as shown in Figure 1 exemplary for the visibility of the system status. Use his website as a quick reference: [http://www.useit.com/papers/heuristic/heuristic_list.html](http://www.useit.com/papers/heuristic/heuristic_list.html)

   ![Heuristic Evaluation - A System Checklist](image)

   Use your checklist to evaluate the user interface issues. Create an Excel spreadsheet to document the results. The table should look like this:

   ![Checklist Table](image)

2. **Take pictures from your Paper Prototype as it is right now**
3. **Conduct a Heuristic Evaluation with your team filling out the created checklist**
4. **Write a short report**
   Write a report, which covers all detailed results of the heuristic evaluation. (~ 15 sentences) *e.g.: What did you notice? Where some design elements completely ignoring the Heuristics? Combine your results and
give a severity rating for each problem found. (see http://www.useit.com/papers/heuristic/severityrating.html).
Perform this exercise as a team and hand in one spreadsheet and report per group.

5. **Improve your Paper Prototype**
   Based on your evaluation spreadsheet, improve elements that were considered negative in your Heuristic Evaluation.

6. **Take pictures of your improved prototype.**

7. **Describe the improvements in own words.**
   Write a report, which covers all detailed results of the improvement.
   (~ 15 sentences) *e.g.: Which elements were modified? How were they improved? What are your expectations regarding the improvement?*

**Task 2: Present your Data**

Prepare a short presentation of your heuristic evaluation and the changes to your prototype (5-10min).

Use this opportunity to address questions to the other groups and get feedback.

The presentation will be given in your next tutorial by one of your team members.

Bring everything you need for your presentation to the next tutorial!

**Submission:**

- Submit your checklist, the photos of your old and your improved prototype, your short report about your heuristic evaluation and your report about the improvements (all in one PDF) and the Excel Spreadsheet (readable with Excel 2003!!) via UniWorx.

- Deadline: 16.06.2010 8:00
  *(Late submissions or submissions via eMail will not be accepted!)*