ON CREATION OF NEW CASE STUDIES FOR JCSE

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Current situation on case studies in JCSE

- ▣ Main - company organizing various courses for general public
- ▣ Additional – software supporting work of a technical device (X-ray)
- ▣ The main one is used in some assignments

- ▣ Several smaller ones for single assignments

Contd...

- One additional – role playing game - an example of:
  - requirements document according to IEEE recomendations
  - Software design document
  - Implementation

- One more – requrements specifiation for a company selling goods door to door (multi-level sales organization) – in Serbian
  - Assisgnment in 'Requireents engineering' course
  - Assignments on analisys and design
  - -> grow to a main case study

We always need more

- Assigments
- Examples
- Reading materials

- Creating requirements specifiation for a technical field – embedded system

A new one – embedded system

- 3rd edition of Balzert's book
- Technical domain – embedded system – "Power windows"
- In a poor state – some parts of the document are clearly missing ☹
- 'Strange' organization –what should be a part of requirements specification is a part of a design (e.g. use case diagram)
  - From the point of view of our lectures so far and its pedagogical value

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- A fine and 'unusual' idea with good potential
- Authors:
  - Hans Echt (original)
  - Zoran Budimac (adaptation to English, review)
  - Michael Hildebrandt (edition, review)
- Idea: although the document is in a poor condition
  - Some parts of specifications are missing
  - The 'strange' organization

we may take it as an advantage for assignments and projects

Idea

- 1. The original, with many imperfections. It can be given to students as the alternative for assignment 1 (requirements review).

  2. The better one, where all inconsistencies, errors, missing information will be resolved. This version will in fact be a 'solution' to previous assignment and also a possible basis for the new assignments - to create (parts) of use-diagram (with hints given by teachers).

  3. The ideal version that would consist of the current document and what Balzert calls: technical implementation.