

Reading 05

9/29/2022

10 Possible Points

Attempt 1



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HCI as Requirements Engineering

While we've spent some time discussing design, we also need to consider the requirements gathering process if we are going to discuss quality. The material here discusses how some of the techniques from usability engineering and HCI--strategies that are adapted to iteratively spiraling in on a design that meets evolving customer needs well--can be viewed as a useful model for requirements gathering.

To read

- [required] John M. Carroll, Mary Beth Rosson, George Chin Jr., and Jurgen Koenemann. **Requirements development in scenario-based design** (<https://canvas.vt.edu/courses/156121/files/23790896/download?wrap=1>). *IEEE Transactions on Software Engineering* 24(12): 1156-1170, Dec. 1998.
- [required] Mary Beth Rosson and John M. Carroll. **Scenario-Based Usability Engineering, Chapter 3** (<https://canvas.vt.edu/courses/156121/files/23790897/download?wrap=1>), 1999.

To turn in

Prepare a brief (no more than one page) written answer to the following two questions. Write up your answer using MS Word or LaTeX, and generate a PDF version in a file named **R05-yourPID.pdf**. One well-presented paragraph for each question is sufficient.

1. What do you believe is the central difference between the requirements analysis approach(es) you studied in 5704 and the "participatory design"-based approach discussed in the assigned material?
2. If you were to use this HCI-based approach on a new project, would you worry about prematurely considering or making important design decisions during requirements gathering? Why or why not?

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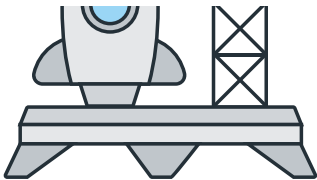
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