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Softwaretechnik
http://proglang.informatik.uni-freiburg.de/teaching/swt/2011/

Exercise Sheet 1

Exercise 1 (4 points)

In the lecture, we have discussed *short-time-to-market* applications.

1.1 Search the web for examples (ie, concrete products) of such applications. Justify your answer.

1.2 Search the web for examples of such applications with bugs that have not been discussed in the lecture.

Exercise 2 (4 points)

In the lecture, we have also discussed *safety critical* applications.

2.1 Search the web for examples (ie, concrete products) of such applications. Justify your answer.

2.2 Search the web for examples of such applications with critical bugs that have not been discussed in the lecture.

Exercise 3

In the lecture, the article "No Silver Bullet" by Fred Brooks, published in 1986, has been mentioned.

3.1 For the upcoming exercise on Thursday, May 12, please read this article.

3.2 Discuss the key points of Brooks' article. What is essence? What is accidence?

3.3 From today's point of view, discuss which of Brooks' claims are valid and which are not.

3.4 Discuss Brooks' opinion on *Object-oriented programming* as well as Brooks' opinion on *Environments and tools*.