

Example questions for the exam in Software Product Lines: Part 2

Question 1: Discuss the following statement: Product line approaches are more cost-effective than approaches for single-product development.

Question 2: Imagine that you could develop a product line of your choice!

- a) Perform a domain analysis: What kind of features could the customer companies desire? For which of these features might a market exist?
- b) What benefits would your company gain from using product line technology? What alternative solutions may exist to using product line technology?
- c) Draw a small feature model for your product line.

Question 3: Discuss at least 5 implementation techniques with regard to their effect on binary size. Position each on a scale from "very poor" to "very good".

Question 4: a) What consequences can feature interactions have for the development of a software product line?

b) How can you reduce the number of expected feature interactions?

c) How did you address feature interactions in your implementation project?

Question 5: Explain TypeChef: What it is good for? How does it work?