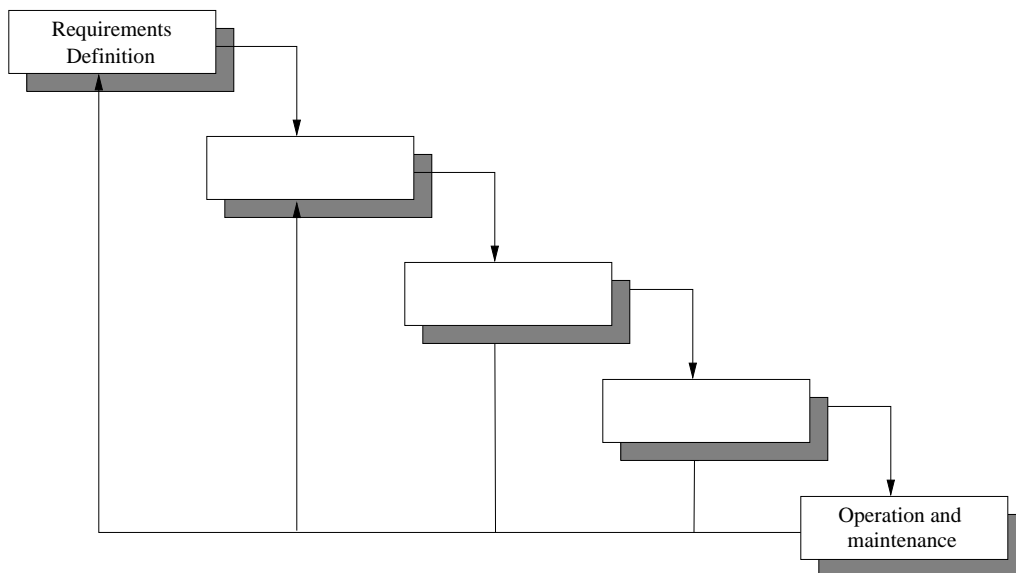


CS 401-71 - Software Engineering
Final Exam
August 9, 2005

Answer the following questions within no more than one or two paragraphs. Justify all your answers.

1. Define Software Engineering

2. Fill in the blanks in the figure. Can you describe the model that it is referring to?



3. Describe the four “dynamic-phases” of the Rational Unified Process (RUP)

4. Enumerate five questions you would ask a prospective customer on the initial interview with the purpose of generating the software requirement document. Assume the customer is the owner/CEO of the company.

5. Enumerate the “six fundamental best practices” of software development

6. Based on your project experience, what is the relevance of the entity relation diagrams that were requested with the design documentation?

7. Enumerate and briefly describe the different client-server architectures presented in class.

12. Describe the hierarchy of a relational database. What is the difference between a record and a field/column?

13. Do you think the future of software applications lies on developments like we did in class? (online web-interfaced apps) Justify your answer

14. Regarding your class project: (justify all your answers)

(a) What grade will you give to it?

(b) What grade will you give to your participation on it?

(c) What grade will you give to each of your teammates? (you can break down grades into different parts of the project if it is easier for you)