

浙江大学 2007 - 2008 学年春季学期

《软件工程》课程期末考试试卷答案

开课学院: 计算机学院 , 考试形式: 开卷, 允许带1 本正式出版的参考书入场

考试时间: 2008年4月18日, 所需时间: 120分钟, 任课教师: _____

Answer Sheet

Part I				
1. a	2. cd	3. ac	4. acd	5. bc
6. a	7. d	8. ac	9. acd	10. bc
Part II				
1. t	2. f	3. t	4. f	5. t
6. t	7. t	8. f	9. f	10. f

Part III and Part IV

III.

1. Design implements all explicit requirements from the analysis model, as well as accommodating implicit customer requirements.

Design must be understandable to the people who generate the code to implement design, those who test it, and those who support it.

Design must provide a complete picture of the software, addressing the data, functional, and behavioral domains from an implementation perspective.

2. 5.

(T, T) (F, F) =>

(>, T) (<, F) (=, F) =>

(>, =)

(<, <) (<, >)

(=, <) (=, >)

3. State-based partitioning - tests designed so that operations that cause state changes are tested separately from those that do not

Attribute-based partitioning - for each class attribute, operations are classified according to those that use the attribute, those that modify it, and those that do not use or modify the attribute

Category-based partitioning - operations are categorized according to the function performed: initialization, computation, query, or termination

4. Functional model - user observable behavior delivered to end-users and operations contained in analysis classes to implement class behaviors (UML activity diagrams)

Interaction model – indicates how users make use of the WebApp content and functionality (use-cases, UML sequence diagrams, state diagrams, user interface prototype)

IV. (minimum requirements)

- 1. DFD(12): form-filling, order-DB, classify, send shipment, check**
- 2. catalog(4); order(4): collaborators include catalog and order**
- 3. use-case(10): log-in, browse, form, credit card info, submit, confirm**
- 4. NSU(10): same as above**
- 5. hierarchy(10): input (log-in, Web, form), processing (classify), output (shipment)**