Feedback — Optional Week 9 Quiz

You submitted this quiz on **Mon 9 Mar 2015 3:39 PM PDT**. You got a score of **9.00** out of **10.00**. However, you will not get credit for it, since it was submitted past the deadline.

Question 1

The Acceptor-Connector pattern handles connections

Your Answer		Score	Explanation
○ Entirely passively			
○ Neither active or passive			
○ Entirely actively			
⦿ Both active and passive	✔	1.00	
Total		1.00 / 1.00	

Question 2

The Reactor and Acceptor-Connector patterns provide which of the following capabilities? (check all that apply)

Your Answer		Score	Explanation
☑ Event Handling	✔	0.25	
☑ Connection Establishment	✔	0.25	
☐ Data Encapsulation	✔	0.25	
☑ Service Initialization	✔	0.25	

Total	1.00 / 1.00

Question 3

Which of the following are motivations for OO event handling? (check all that apply)

Your Answer		Score	Explanation
☐ Defining separate function handlers and data is error prone	✖	0.00	
☐ Encapsulation of data	✖	0.00	
☐ Higher efficiency	✔	0.25	
☑ Event handler objects help integrate data and methods	✔	0.25	
Total		0.50 / 1.00	

Question 4

Which of the following are the key types of events the Reactor handles in the JAWS web server? (check all that apply)

Your Answer		Score	Explanation
☑ Signal events	✖	0.00	
☑ Connect events	✖	0.00	
☑ Accept events	✔	0.25	
☑ Data events	✔	0.25	
Total		0.50 / 1.00	

Question 5

The ACE Acceptor-Connector frameworks allows us to: (check all that apply)

Your Answer		Score	Explanation
☑ Implement a more modular design	✔	0.25	
☐ Define a pipeline of filters that communicate by passing messages in the same address space	✔	0.25	
☑ Write specialized custom components	✔	0.25	
☐ Implement large amounts of superfluous code	✔	0.25	
Total		1.00 / 1.00	

Question 6

The component configurator pattern (check all that apply):

Your Answer		Score	Explanation
☐ Activates and deactivates processes on-demand	✔	0.25	
☑ Can reconfigure components without stopping and restarting app processes	✔	0.25	
☐ Provides a single global instance of a component	✔	0.25	
☑ Decouples component interfaces from their implementations	✔	0.25	
Total		1.00 / 1.00	

Question 7

The two main types of services supported by the ACE Service Configurator framework are

Your Answer	Score	Explanation
☑ Static	✔ 0.25	
☑ Dynamic	✔ 0.25	
☐ Local	✔ 0.25	
☐ Private	✔ 0.25	
Total	1.00 / 1.00	

Question 8

Hook methods like fini(), resume(), and suspend() are used to affect _____?

Your Answer	Score	Explanation
○ Event handlers		
○ Applications		
○ Connections		
◉ Services	✔ 1.00	
Total	1.00 / 1.00	

Question 9

The Activator pattern is most appropriate for

Your Answer	Score	Explanation
○ Highly-secure systems		
◉ Memory-constrained systems	✔ 1.00	

○ Heavily-loaded systems

○ Real-time systems

Total	1.00 / 1.00

Question 10

Which of the following are limitations of the Activator Pattern (select all that apply):

Your Answer		Score	Explanation
☑ Lack of determinism	✔	0.25	
☑ Increased complexity	✔	0.25	
☐ Lack of Modularity	✔	0.25	
☑ Reduced reliability	✔	0.25	
Total		1.00 / 1.00	