Assignment 3

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Some questions about error handling
Created by Paul Meyer on Jul 4, 2014 6:32 PM   Subscribe

1. Do any of these circumstances need to be handled?

- clients or server starting before the binder, and/or sending messages to the binder before it is started.

- clients, binder, or servers closing suddenly, in the middle of messages, or between messages, or any other time not naturally through TERMINATE messages.

- clients continuing to call rpcCall or rpcTerminate after rpcTerminate has already been called, in which case the binder will already have closed.

2. The assignment description says: "The mistakes they may make, and which you have to check for, are things like not registering before invoking the server execute function, calling a RPC that isn't there yet, starting the client before the server, etc."

As for "starting the client before the server", I am not sure exactly what about that should be checked. Of course, if rpcCall is called befoer any servers are started then they will return in error, but that is already covered by "calling a RPC that isn't there yet". The only other interaction the client has with the server is through rpcTerminate... so should that return an error if no servers have started yet?

3. Are servers allowed to register any functions after they have called rpcExecute?

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Paul Meyer
July 4 at 6:37 PM

Another question: Will the binder or server have to handle messages that did not originate from our library or binder implementation? (in which case they could be of any format, won't start with a |length| integer, etc.)

Reply

Adrian Nicoara
July 4 at 6:41 PM

No.

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Authored by: Paul Meyer
Authored on: Jul 4, 2014 6:37 PM
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Another question: Will the binder or server have to handle messages that did not originate from our library or binder implementation? (in which case they could be of any format, won't start with a |length| integer, etc.)

Reply

Adrian Nicoara
July 4 at 6:58 PM

1. Yes

2. Read section 4 for termination, so that you clearly understand what needs to terminate. Use your judgement for the other failures, and document that in the system manual.

3. This is a decision for you to make. Document your choice.

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