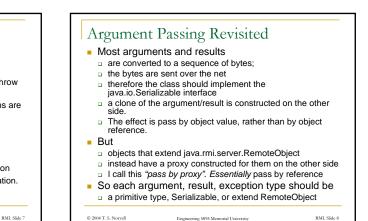


## Nitty-Gritty

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- The proxy and the server share an interface.
  - This interface must extend java.rmi.Remote.
  - Every method in the interface should be declared to throw java.rmi.RemoteException
- RemoteExceptions are thrown when network problems are encountered,
- or when server objects no longer exist.
  The server typically extends class
- java.rmi.server.UnicastRemoteObject
- The constructor of this class throws a RemoteException
- Therefore, so should the constructor of any specialization.

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An Example – Distributed Othello ConcreteObserver Othello is a two person board game Supdate() It uses the observer pattern so that, □ when the (game state) model changes, all observers are informed of the change. I wanted to put the model on one machine and the observers on other machines. Hence I implemented the observer pattern Observer with RMI. supdate() This is example othello-2 on the website. © 2004 T. S. Norvell Engineering 5895 Memorial University RMI\_Slide 9 © 2004 T. S. Norvell

