**Distributed Computing with XML-RPC Assignment Grading Rubric**

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| **Criteria** | **Levels of Achievement** | | | |
|  | **Advanced** | **Proficient** | **Developing** | **Not present** |
| Server Implementation | **14 to 15 points**  Server reads name and port from the command line invocation and binds to the specified port to listen for procedure requests. Errors and trapped and reported correctly. | **11 to 13 points**  Server uses hard coded port and/or does not read name from the command line. Address/port binding is correct. | **1 to 10 points**  Server code executes but does not correctly bind the address/port. The name of the server is not read from the command line. | **0 points**  No implementation attempted |
| Server Procedure Registration and Implementation | **14 to 15 points**  Server correctly registers all required procedures. Procedures are correctly implemented per assignment instructions. | **11 to 13 points**  Server registers all procedures but procedure implementation has errors | **1 to 10 points**  Server register some procedures but implementation is incomplete | **0 points**  No implementation attempted |
| Client Implementation | **14 to 15 points**  Client successfully connects to the server and calls all defined remote procedures | **11 to 13 points**  Client successfully connects to the server but incorrectly calls some or all of the procedures | **1 to 10 points**  Client is unable to connect to the server without error | **0 points**  No implementation attempted |
| Documentation – source code is well documented | **5 points**  Functions, variables, code blocks, etc., are well documented. Variable names follow industry convention. Improper call syntax results in a usage message back to the user. | **4 points**  Modest but correct comments, generally consistent and correct in variable/function naming | **1 to 3 points**  Inaccurate and sparse comments. Naming conventions generally inconsistent. | **0 points**  No comments |