## SYSC3010 Computer Systems Design Laboratory

## Term Project – Test Review

### Breakdown

General Utility Unit (/12) :

Hardware or Embedded Unit (/12) :

Distributed Systems Unit (/12) :

Unit Test Demonstration (/12) :

Total (48):

# Testing and/or Evaluation : General Utility Unit (JUnit or equivalent)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes/Quality** | **Beginning**  **Needs work** | **Developing**  **Satisfactory** | **Accomplished**  **Good** | **Exemplary**  **Excellent** | ***N/A*** |
| Purpose |  |  |  |  |  |
| Method |  |  |  |  |  |
| Communication |  |  |  |  |  |

Purpose: Choice of complex class; Objectives of testing and evaluation are readily identifiable, clear, and focused.

Method: Procedures are well-planned (e.g., orderly, appropriate control of variables,). Testing and evaluation procedures are clear and repeatable – isolated, separation of concerns, communicate intent, minimal test overlap

Communication: Concise, complete, accessible, conveys method and intent in a consistent, explanatory way.

# Testing and/or Evaluation : Hardware or Embedded Unit

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes/Quality** | **Beginning**  **Needs work** | **Developing**  **Satisfactory** | **Accomplished**  **Good** | **Exemplary**  **Excellent** | ***N/A*** |
| Purpose |  |  |  |  |  |
| Method |  |  |  |  |  |
| Communication |  |  |  |  |  |

Purpose: Choice of Hardware Component and Role of Stub; Objectives of testing and evaluation are readily identifiable, clear, and focused.

Method: Procedures are well-planned (e.g., orderly, scalable stubs). Testing and evaluation procedures are clear and repeatable.

Communication: Concise, complete, accessible, conveys use of stub in a consistent, explanatory way.

# Testing and/or Evaluation: Distributed Systems Unit

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes/Quality** | **Beginning**  **Needs work** | **Developing**  **Satisfactory** | **Accomplished**  **Good** | **Exemplary**  **Excellent** | ***N/A*** |
| Purpose |  |  |  |  |  |
| Method |  |  |  |  |  |
| Communication |  |  |  |  |  |

Purposeful: Objectives of testing and evaluation of mock object are readily identifiable, clear, and focused on the server’s API

Methodical: Procedures are well-planned (e.g., orderly, sequences of messages, missing messages). Testing and evaluation procedures are clear and repeatable.

Communication: Concise, complete, accessible, conveys use of mock object in a consistent, explanatory way.

### Unit Test Demonstration – FOR INSTRUCTOR and TAs only

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes/Quality** | **Beginning**  **Needs work** | **Developing**  **Satisfactory** | **Accomplished**  **Good** | **Exemplary**  **Excellent** | ***N/A*** |
| Accessed from GIT |  |  |  |  |  |
| Organized, Automated Execution |  |  |  |  |  |
| Clarity and Informative Self-Reporting |  |  |  |  |  |
| JUnit – Does it conform to original test plan? Does it work? |  |  |  |  |  |
| Hardware – Does it conform to original test plan? Does it work? |  |  |  |  |  |
| Distributed – Does it conform to original test plan? Does it work? |  |  |  |  |  |