Lesson 6: Mastery Project

Final Installation

# Submission

## Code Submission and Demo

1. Based on what you proposed, describe what will you be submitting for your Final Installation?

In the final installation, we are submitting the complete end-to-end working desktop application of our project Anonymous Share. We have hosted our server in a Linux Virtual Machine from which is clients can communicate using our application GUI developed using Tkinter. We have also devlx

1. What code files are you submitting for Final Installation? List each file and it’s overall purpose to the project.

1. Provide a URL to your video demo. Remember, the contents will be evaluated against what you proposed for the demonstration in the Project Proposal.

## Evaluation Submission

### Correctness

This section requires that you have done a deep and thorough review of the RFC of the application protocol that you will be implementing.

1. Provide a copy of the table you completed in the Project Proposal as a list of ways you would demonstrate correctness.

|  |  |  |
| --- | --- | --- |
| Scenario | How you will implement scenario | How you will prove correctness |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Provide a link to the video you have created that demonstrates your software in these scenarios.

1. In addition to uploading a completed version of this document, upload the version of your code with the test harness that you used for testing, with instructions on how to install, compile, run, and operate the software. Specifically, provide instructions for replicating your tests. The code should be uploaded as a .zip file with a README.

### Performance

1. Provide a copy of the table you completed in the project proposal.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Bandwidth | Latency | Packet Loss Rate (%) | Number of tests |  | Network Application Actions | Graphs  produced |
| High performance network |  |  |  |  |  |  |  |
| Long, Fat Network (high bandwidth, high latency) |  |  |  |  |  |  |  |
| Low Loss Rate |  |  |  |  |  |  |  |
| Medium Loss Rate |  |  |  |  |  |  |  |
| High Loss Rate |  |  |  |  |  |  |  |
| Wireless network (moderate bandwidth, low sporadic loss, high latency) |  |  |  |  |  |  |  |

Note that you will be using tc, a traffic shaping utility for Linux, to help create these scenarios. tc is covered in Lesson 5.

1. Provide each of the graphs that you said you would create in the table above. Describe your interpretation of the graph and what it means about the performance of your software in 2-3 sentences below each graph. Make sure each graph is legible and make sure that all graphs have labeled X- and Y-axes as well as graph titles and legends if appropriate.