

Lab 0 Rubric - Hardening System and Reducing Attack Surface

Instructor: Dr. Maryam R. Aliabadi

Total Points: 100

Criteria	Excellent (Full Marks)	Satisfactory	Needs Improvement	Points
Task Completion	All lab tasks completed, including environment verification, socket understanding, client connection, server-client creation, and security reflection.	Most tasks completed; minor omissions or small errors.	Many tasks incomplete or missing; major steps skipped.	30
Python Code Accuracy	Code runs without errors; TCP connections work correctly; server-client exchange succeeds.	Code runs with minor errors; TCP connections mostly work.	Code has multiple errors; scripts do not run or fail to connect.	30
Code Annotation & Explanation	Code is well-commented; each step is explained; concepts clearly linked to protocols and security.	Some comments present; explanations partial; understanding partially shown.	Little or no comments; explanation missing or incorrect.	15
Security Reflection	Identifies at least 3 security risks; explains the importance of validation and access control; suggests realistic mitigation strategies.	Identifies 1-2 risks; explanation is basic or partially correct.	Security risks and mitigation poorly addressed or missing.	15
Deliverables & Presentation	PDF includes all requested elements (screenshots, annotated code, reflection); professionally formatted and clear.	PDF includes most elements; formatting could be improved; minor missing items.	PDF incomplete; poor formatting; missing major elements.	10