

Lab 1 Rubric: Stateful Client–Server Chat Application

Instructor: Dr. Maryam R. Aliabadi

Total Points: 100

| Component | Criteria | Excellent (Full Marks) | Partial | Missing / Inadequate | Weight |
|--------------------------------|--|---|--------------------------------------|---------------------------|--------|
| Client & Server Code | client.py and server.py implementation | Fully functional, well-structured, and clearly commented | Minor issues or limited comments | Non-functional or missing | 40% |
| Execution Recording | Chat application demo (login, messaging, exit) | Clear recording showing full workflow; link provided | Incomplete demo or unclear recording | Missing or no access | 15% |
| Robustness Testing | Error handling and edge cases | Multiple robustness scenarios tested and explained; link provided | Limited testing or weak explanation | Missing | 15% |
| Security Analysis & Reflection | Reflection report (PDF) | Clear discussion of security considerations, limitations, and learning outcomes | Superficial analysis | Missing or unclear | 30% |