

CSE 489/589

Programming Assignment 2 Report

Reliable Transport Protocols

I have read and understood the course's academic integrity policy.

Notes: **(IMPORTANT)**

- One of your group members select <File> - <Make a copy> to make a copy of this report for your group, and share that Google Doc copy with your teammates so that they can also edit it.
- Report your work in each section. Describe the method you used, the obstacles you met, how you solved them, and the results. You can take screenshots at key points. There are NO hard requirements for your description.
- For a certain test, if you successfully implemented it, **take a screenshot of the result from the grader as required in section 5 (required)**. You can just provide the overall result for each test.
- For a certain test, if you tried but failed to implement it, properly describe your work. We will partially grade it based on the work you did.
- **Do NOT claim anything you didn't implement.** If you didn't try on a certain protocol or test, leave that section blank. We will run your code, and if it does not match the work you claimed, you and your group won't get any partial grade score for this WHOLE assignment.
- There will be **15.0** points for this report. These are NOT bonus points and will be given based on the completion of the analysis part (section 6.1).
- If you decide not to attempt the analysis part (section 6.1) of the assignment, you will still NEED to submit this report with the requirements stated in section 6.
- Under **NO** circumstances may you rely on the work of your peers, including but not limited to GitHub repositories or code submissions from previous academic terms.
- All the analysis results in section 6 should come from one of the provided hosts, NOT on your local machine (see section 3.1 in the handout).
- The maximum score for PA 2: $85 + 15 = 100$

I have read and understood the course's academic integrity policy.

1 - Academic Integrity Policy Statement

[Your submission will NOT be graded without this statement.]

2 - Group and Contributions

- Name of member 1:

- UBITName: breckenm
- Contributions: All, Referenced textbook

3 - SANITY Tests

[2.0] ABT

(Put screenshots of the grader here...)

```
Run#9 [seed=8888] ... Done!  
Run#10 [seed=9999] ... Done!  
PASS!  
SANITY TESTS: PASS  
stones {/local/Spring_2024/breckenm/pa2-breckenm-pa2/grader} >
```

[5.0] GBN

(Put screenshots of the grader here...)

```
PASS!  
SANITY TESTS: PASS  
stones {/local/Spring_2024/breckenm/pa2-breckenm-pa2/grader} >
```

[8.0] SR

(Put screenshots of the grader here...)

[No further grading for the protocol that fails a SANITY test.]

4 - BASIC Tests

[5.0] ABT

(Put screenshots of the grader here...)

```
Run#9 [seed=8888] ... Done!  
Run#10 [seed=9999] ... Done!  
PASS!  
BASIC TESTS: PASS  
stones {/local/Spring_2024/breckenm/pa2-breckenm-pa2/grader} >
```

[12.0] GBN

(Put screenshots of the grader here...)

```
PASS!  
BASIC TESTS: PASS  
stones {/local/Spring_2024/breckenm/pa2-breckenm-pa2/grader} >
```

[18.0] SR

(Put screenshots of the grader here...)

[No further grading for the protocol that fails a BASIC test.]

5 - ADVANCED Tests

[5.0] ABT

(Put screenshots of the grader here...)

```
Run#9 [seed=8888] ... Done!  
Run#10 [seed=9999] ... Done!  
PASS!  
ADVANCED TESTS: PASS  
stones {/local/Spring_2024/breckenm/pa2-breckenm-pa2/grader} >
```

[10.0] GBN

(Put screenshots of the grader here...)

```
PASS!  
ADVANCED TESTS: PASS  
stones {/local/Spring_2024/breckenm/pa2-breckenm-pa2/grader} >
```

[20.0] SR

(Put screenshots of the grader here...)

6 - ANALYSIS & REPORT [15.0]

(We expect you to use graphs to show your results for each of the experiments in 6.1 and then write down your observations. Further, your report, at the very least, should answer questions like: What variations did you expect for throughput by changing those parameters and why? Do you agree with your measurements; if not, then why?)