Course Reflection

CSCI 311 – Fall 2025

*Please be sure that you complete all pages of this worksheet. Some sections may begin on new pages, so you may need to scroll past any blank space.*

# Section 1: Discovery Phase Results

*Look over your completed worksheets, including my feedback, in Moodle. Report the requested information for each Milestone, using your last revision of the worksheet. If you didn’t complete a particular Milestone, just enter N/A for each of the questions about that Milestone.*

1. Did you successfully assemble your Raspberry Pi 5 kit for Milestone 1?

2. How many of the 10 background questions for Milestone 2 did you answer correctly?

3. Did you successfully install Alpine Linux for Milestone 2?

4. How many of the 10 background questions for Milestone 3 did you answer correctly?

5. Did you successfully get your Alpine Linux installation switched to the tealpi5 kernel (MS3)?

6. Did you successfully get 3D graphics (/dev/dri/card0) working on Alpine Linux (Milestone 3)?

7. How many of the 19 background questions for Milestone 4 did you answer correctly?

8. Did you successfully set up your regular user account on Alpine Linux (Milestone 4)?

9. How many of the 4 background questions for Milestone 5 did you answer correctly?

10. Did you get Neovim installed and configured on Alpine Linux (Milestone 5)?

11. How many of the 6 background questions for Milestone 6 did you answer correctly?

12. Did you get Lighttpd and Lynx working on Alpine Linux (Milestone 6)?

13. How many of the 9 background questions for Milestone 7 did you answer correctly?

14. Did you get elogind working on Alpine Linux (Milestone 7)?

15. Did you get NetworkManager working on Alpine Linux (Milestone 7)?

16. How many of the 11 background questions for Milestone 8 did you answer correctly?

17. Did you get KDE Plasma working on Alpine Linux (Milestone 8)?

18. How many of the 8 background questions for Milestone 9 did you answer correctly?

19. Did you get LibreWolf and Falkon installed on Alpine Linux (Milestone 9)?

20. Did you get LibreOffice installed and working on Alpine Linux (Milestone 9)?

21. Did you get Flatpak set up and working (e.g. with KPatience installed) on Alpine Linux (MS 9)?

22. How many of the 4 background questions for Milestone 10 did you answer correctly?

23. Did you get FreeTube installed on Alpine Linux (Milestone 10)?

24. Did you get VLC installed on Alpine Linux (Milestone 10)?

25. Did you get SuperTuxKart installed on Alpine Linux (Milestone 10)?

# Section 2: Knowledge Gained

*Look back at your answers to the first section (“Your Background and Linux Experience”) of the Course Plan. Contemplate how you would answer these questions now that you’ve completed the Discovery Phase.*

26. What have you learned about the Raspberry Pi 5 **hardware**?

27. List 3 new things you’ve learned about Linux in general from taking this course.

28. What have you learned about managing system services on Linux? Do all Linux distributions handle services the same way?

# Section 3: Skill Development

*Look back at your answers to the first section (“Your Background and Linux Experience”) of the Course Plan. Contemplate how you would answer these questions now that you’ve completed the Discovery Phase.*

29. List 3 skills you now possess with respect to Single Board Computers (SBCs).

30. List 2-3 skills that you now possess with respect to Neovim.

31. List 3 things you now know how to do with Alpine Linux.

# Section 4: Achievements

*Look over your responses to the 3 sections above and think about how you would summarize your achievements in this course. Imagine that you’re in an interview for a job position, and you’re asked the following questions.*

32. In 3-4 sentences (or bullet points), what did you accomplish in CSCI 311: System Architecture?

33. What single accomplishment are you most proud of from your experience in CSCI 311?

34. Briefly explain in 3-4 sentences (or bullet points) a situation in your work on the CSCI 311 Milestones where you felt the greatest sense of accomplishment once you got something working.

# Section 5: Challenges

35. What **internal challenges** did you experience in CSCI 311? In this context, an internal challenge is a problem that you encountered in the course itself, such as an issue with your Raspberry Pi or a problem with Alpine Linux. Include any procrastination related to due dates among the internal challenges.

36. What **external challenges** you experience this semester? In this context, an external challenge is something that occurred outside this course, such as a work conflict, difficulty in another course you took at the same time, illness, family emergency, or other outside issue.

37. If you could get into a time machine and go back to the beginning of this course, what would you do differently?

# Section 6: Future Learning

*For this section, think about the things that you still don’t know about the Raspberry Pi 5, Alpine Linux, and related topics.*

38. Identify 3 things that you still **don’t** know about the Raspberry Pi **hardware**.

39. Identify 3 things that you still **don’t** know about Alpine Linux.

40. What are 3 things that you still want to learn about a Single Board Computer and/or Alpine Linux?

*Please continue to the next page.*

# Section 7: Course Grade

*In this section, you will propose your final course grade for CSCI 311: System Architecture. See the “General Course Grade Guidelines” on the Reflection instructions page for more information about how to complete this section.*

41. How far did you get in this course? In other words, what was the highest Milestone you submitted?

42. Propose your final course grade for CSCI 311. **Give a brief justification** based on the guidelines given in the instructions. Remember that CCU only has letter grades (A-F) and "+" grades (no minus grades).

# Submission

*When you have completed this worksheet, export it to PDF format. Upload the PDF file as your Moodle submission for the Course Reflection.*