CIS 269 – Software Maintenance – Spring 2025

W7 Lab: GitHub Projects and Job Interviews

(For the due date, please refer to this lab’s posting on Canvas)

Please leave the lab questions/instructions/rubrics/etc. in place. Just paste your screenshots and code below the rubric.

Purpose/Knowledge/Skills: A common question employers ask is, “do you have projects on GitHub?” In this lab, you’ll use skills from previous weeks to upload projects to GitHub. You’ll also review common interview questions and practice your answers to them.

Task 1: Upload two projects to share in GitHub (30 points)

1. Choose two CIS-related projects you would be comfortable hosting on a public GitHub repository.

These could be:

* Week-long (team?) projects
* Existing GitHub projects you modified
  + Watch for copyright issues here
  + Check that the original creator allows reposting/reuse
  + Any GPL or CC0 project allows reposting/reuse
* Labs that demonstrate content knowledge
  + From my classes, you have my permission to post as many as three labs \*total\*, for the purposes of employment/demonstration
* Any projects you’ve done for fun outside of classwork
  + Shows that you do more than just the minimum required
  + Sophisticated code is not required here
  + Employers love to see initiative!

1. Go to <https://github.com/> .
2. Sign in if needed.

For each project you want to post:

1. Create a new repository.
2. Give it a name suitable for employer referrals.
3. Leave it set to “public”.
4. Check “Add a README” file.
5. Create the repository.
6. Click the “edit” button to edit README.md.
7. Type a short description of the project you are uploading, and why employers might be interested.
8. Click Add File -> Upload Files.
9. Use drag-and-drop to add files to the repository.
10. Add a commit message.
11. Click “Commit changes.”
12. Go back to the main (“code”) page for your project.
13. Take a screenshot showing the GitHub page with a commit count >= 1 and the contents of the README.md file visible.
14. Please paste your screenshot and project URL below the rubric.
15. Take note of the URL for your projects! Add this to resumes and job applications so employers can see examples of your work.

## SAMPLE SUBMISSION

Here is an example submission showing the (roughly) expected view of your GitHub projects:

URL: <https://github.com/MHaenselSPSCC/testblurb>

Screenshot:

|  |
| --- |
|  |

Rubric:

* URL for two publicly-accessible GitHub projects: 10 points total, 5 points each
* Screenshot of two publicly-accessible GitHub projects: 20 points total, 10 points each

Please paste a screenshot of your projects in GitHub, with a commit count >= 1 and the contents of the README.md file visible.

URL for project #1:

Screenshot for project #1:

|  |
| --- |
|  |

URL for project #2:

Screenshot for project #2:

|  |
| --- |
|  |

Task 2: Practice interview questions (30 points)

Please review the interview question readings for this week.  
Practice the interview questions with another person or in front of a mirror, then answer the following lab questions.

1. Which question was the easiest for you to answer? Why?

|  |
| --- |
|  |

1. Which question seemed the most challenging to you? Why?

|  |
| --- |
|  |

1. If you were going to interview someone for a CIS-related position, what employment-related question would you want their answer to? It can be from the official question list, or something from your own creativity.

|  |
| --- |
|  |

Rubric:

* Three questions: 30 points total, 10 points each