

Assignment 9 - Final Project Check-In: Tasks

This assignment is tied to your final project and should be completed with your final project team.

Submission details: Submission details: Please submit either a txt or pdf file. The name of the file should be your student ID numbers joined with underscores. Submit your assignment here:

https://docs.google.com/forms/d/1_tBJLktKM-hcHksopwbB5jVzQFr77jO92nUVrv4hsFg/edit

Due: 11/9/20

For this assignment, the writeup is easy, but the decision making is tougher! Please submit a writeup describing in detail **three tasks** that you want a user to be able to complete with your language or tool.

For each task, your writeup should include:

- The program the user is trying to write (screenshot encouraged)
- The program the user has at the start of the interaction (if any; screenshot encouraged)
- The steps the programmer takes to reach the target program *with existing tools*
- Why getting to the target program is hard right now (if it is hard!)
- Anything we need to know about the context in which the programmer is writing the program
- Anything we need to know about the programmer's background
- Anything we need to know about the programmer's goals

A note on project types. Not all of you are designing languages or tools—that's ok! You'll still write up all the same details, but you'll choose tasks a little differently. If your project is formative-only research, pick tasks that help you define the scope of your formative research. If you're really excited about making Arduino programming easier for a theater prop designer building a remote-control *Beauty and the Beast* magic rose, you're going to be recruiting different participants and asking different questions than if you're really excited about making parser generation easier for professional software engineers. Even if you won't be building a tool during this course, your research has the potential to shape future tools that *will* ultimately make tasks easier. So thinking about the tasks that motivate you should help you focus your participant recruitment efforts and decide what kinds of information to gather.