

Final Project Proposal
Why Did the Leopard Rock Cross the Road?

... To get to the words! Our vision for the final project is a crossword generator and player. The first component, the generator, will collect words from the user. It will ask the user how many words they would like to have in their crossword. Next, the user will be prompted to enter a word and corresponding clue (repeat as many times as the number they declared at the beginning). Our program will determine a formatting of the crossword, including which words will lay horizontally, which words will lay vertically, and where words will intersect. This generated crossword will then be printed out for the user, with underscores, _ , representing unfilled boxes and clues being printed below the crossword. At this point, the user will be able to use the second component, the crossword player. Our program will progress through the clues in order, prompting the user for their answer. After each progression, the board will be reprinted with the letters the user has chosen. When all boxes have been filled in, our program will check the user's answers and print out the correct crossword (and perhaps the user's score). Our goal is to focus on the first component, the generator (with the second component being an additional challenge if time allows). Additionally, we will incrementally build our generator; at first, it will be capable of handling a maximum of 2 inputted words, and we will increase this cap on the number of inputted words as we work on the project.