- Week 1
  - Research
    - Research previous examples of such types of programs to gain inspiration for level of complexity
    - Research the best language to begin the project
      - Start learning about the utilities of the language that will be necessary for the program
  - Pre-Planning 1
    - Define the programming concepts I want to integrate with my program
    - Determine the language I want to use in the conversion
    - Define how flexible I want the conversions to be and the end result of the program. Should it output the code, execute it, or show it in real time?
    - Conduct a survey to learn about how people would write pseudo code for pre-defined problems.
- Week 2
  - Research
  - o Pre-Planning
- Week 3
  - Research
  - Pre-Planning
- Week 4
  - Programming
    - Begin Coding and Debugging problems. As problems arise this step will keep changing
- Week 5
  - Programming
- Week 6
  - Programming
- Week 7
  - Programming
- Week 8
  - Programming
- Week 9
  - Programming
- Week 10
  - o Programming
- Week 11
  - Programming
  - o GUI
    - Build an executable version of the program to make it even more easier to interact with.
    - This Step is optional and will only be completed if I am done with my programming
- Week 12
  - Programming

- o <u>GUI</u>
- Week 13
  - o Programming
  - o <u>GUI</u>
- Week 14
  - $\circ \quad \text{Enhancement / Bug Removal} \\$ 
    - Just fix glitches and try to optimize the code as much as possible
- Week 15
  - o Enhancement/ Bug Removal