

Project Requirements

Constraints

- Work without an internet connection
- Fit on a display 2'x2'x2'
- Have educational value

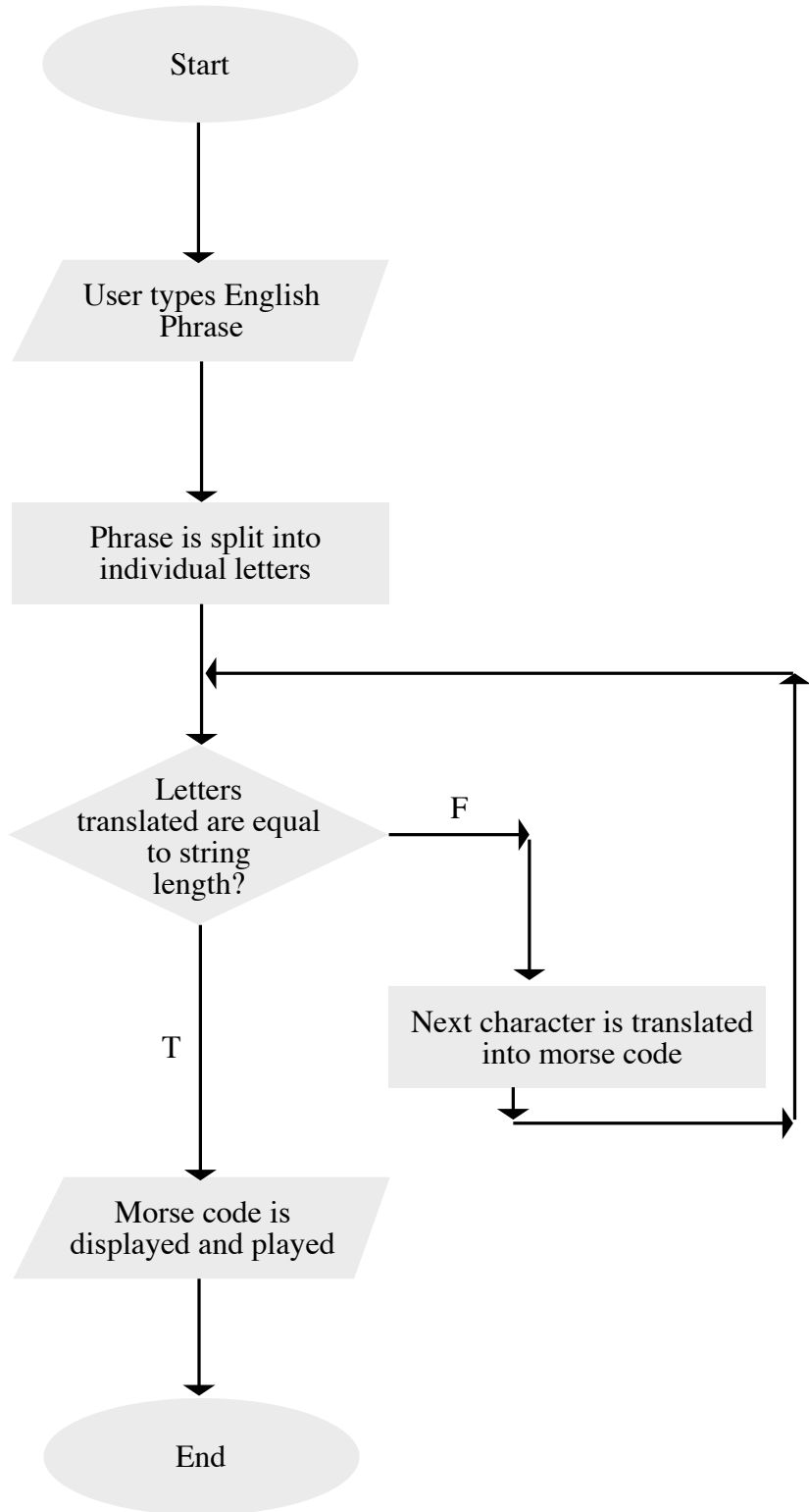
Criteria

- Software Coding Practices
 - The project was extremely well developed and followed general software coding practices (requirements, design, implementation and testing).
- Complexity
 - The software design is complex, resulting in a highly functional product.
- Creativity
 - The work exudes creativity; the product is highly original.
- Technical Skill
 - The software exhibits mastery of software design skill that few at this level possess; the software flow is consistent and logical
- Effectiveness
 - The solution to the problem is clear in the software design; the solution is at the forefront of software creation.

Presentation Criteria

- Organization
 - The presentation is logical, organized and effective.
- Knowledge
 - There is clear evidence that all team members have a thorough understanding of the concepts presented in their project.
- Articulation
 - The team provides a concise, logical, and clear explanation of its project.
- Delivery
 - The team is well-spoken and interview; participants' posture, gestures, and eye contact result in a polished, natural, and effective delivery.
- Team Participation
 - All team members fully understand the concepts of the project and share an equal role in answering judges' questions.
- Software Demonstration
 - Team members are successful and effective in their project demonstration.

Psuedocode



End User Product Documentation

Beta testing

User 1 comments -

- Translation is very buggy
- The dashes run together, making it hard to read the Morse code
- The area to type in is not very big
- The design of the software is clean and minimal

User 2 comments

- Adding sound to the translator would be a lot cooler
- Some sort of alphabet would be helpful for learning Morse code
- Translation doesn't work every time

User 3 comments

- Really liked the look of the program
- Translations didn't always work
- Not very much information

Final product testing

User 1 comments

- Liked how you could see and hear the translation at the same time
- Liked how it showed the alphabet on the right side of the screen
- Didn't have a single wrong translation

User 2 comments

- The sound of the Morse code sounded very authentic
- It would be nice to be able to speed up or slow down the speed of the beeps
- Didn't have a single wrong translation

User 3 comments

- Liked how the new program allowed for more lines to input text
- Thought the speed of the beeps were a bit slow
- Didn't have a single wrong translation