



# Ruby Terminal Application

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# Today's Agenda

What we'll cover

- About THE UNDERDOG
- Live Demonstration
- Gems
- Logic & Code
- Review

# Why THE UNDERDOG

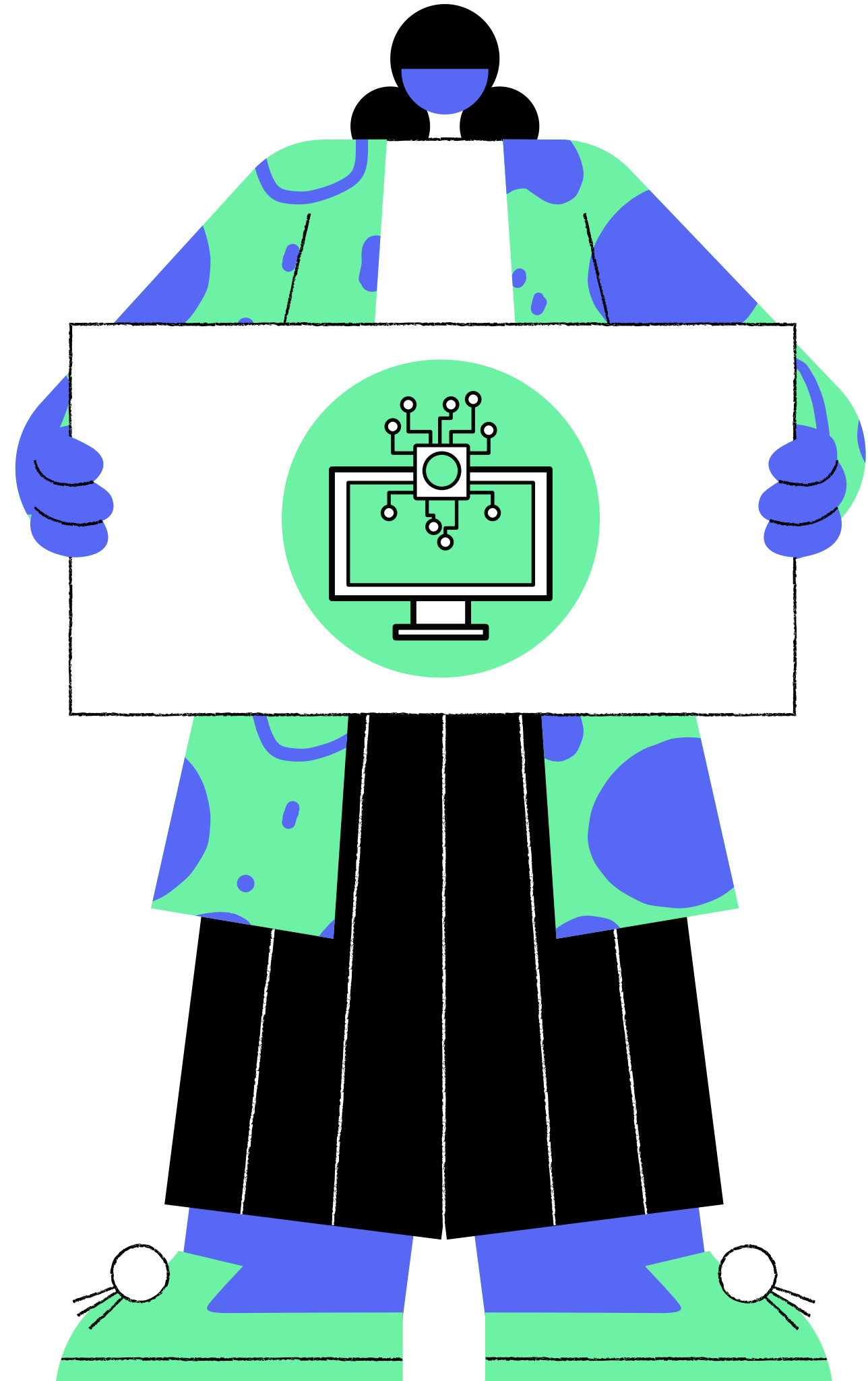
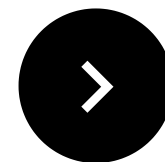
Get ahead of your classmates

Most people dread their morning commute; at Coder Academy, students often dread their morning Kahoot. It seems as though there are a select few who take the podium spot each morning, leaving the rest of the class to question their adequacy.

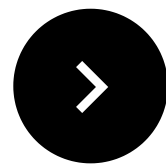
- Test knowledge on Ruby outside of class
- Kahoot environment simulation e.g. music, time limit & scoring
- Prepare for the pressure!



# Live Demonstration



# Gems



**Ruby2D**



**TTY Font**



**TTY  
Prompt**



**Timeout**

## MUSIC STREAMING

*Ruby2D* allows for the the Kahoot.mp3 soundtrack to be streamed when playing the quiz.

## LARGE GRAPHICAL FONTS

*TTY Font* is responsible for the large THE UNDERDOG heading.

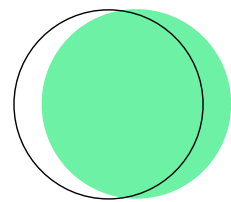
## ENTER KEY TO BEGIN

*TTY Prompt* restricts the quiz from appearing until the user has pressed a key to begin.

## INTERVAL TIMER

*Timeout* is responsible for the 15-second time limit imposed on every question.

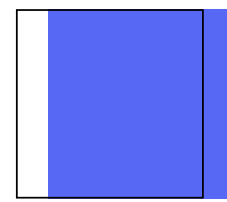
# Concepts and Structures



## VARIABLES

FONT, QUESTIONS, ANSWERS

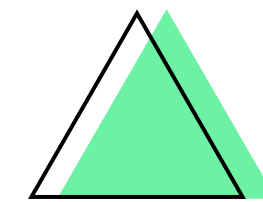
Variables are defined throughout the whole program. They hold relevant objects for methods to act upon.



## LOOPS

MUSIC, QUESTIONS, TIMER

Used in sections such as the soundtrack.  
When the music ends the loop is implemented and repeats the song from the beginning.



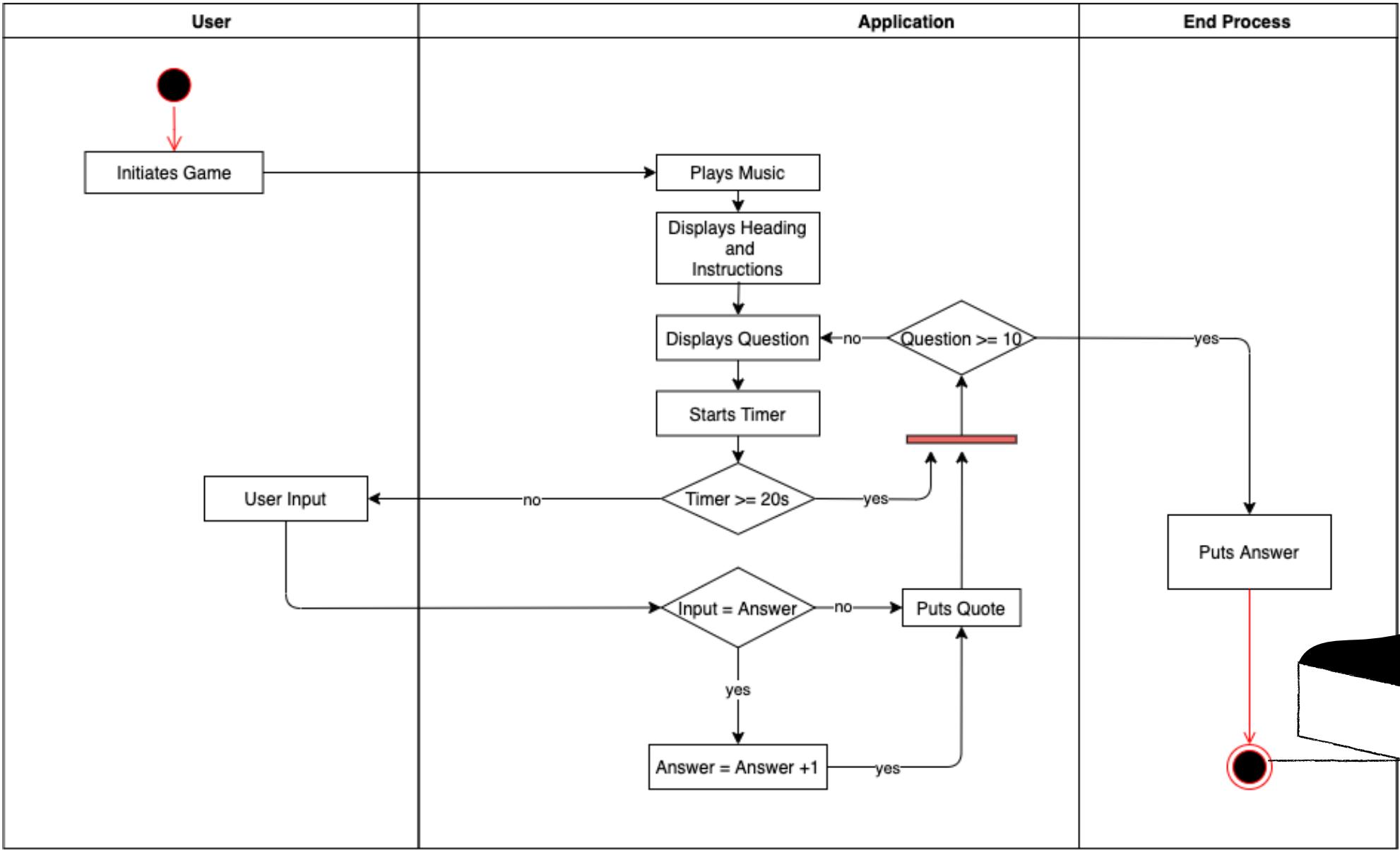
## INPUT & OUTPUT

USER ENGAGEMENT

The application is built on user input and program output. The user answers prompted questions, the program then tallies up their answers and returns the value of their score.



# Source Code and Logic



# Development and Build Process

## CHALLENGES

TIMER, TIMER, TIMER. Establishing an effective loop that does not interfere with the rest of the code is increasing development time.

## ETHICAL ISSUES

The main ethical issue related to this application is copying Kahoot's gaming structure. The application breaches copyright and will most likely never be released because to this.

## FAVOURITE PARTS

Implementing the Kahoot soundtrack which really brings the game to life! After a while however you do go a bit nuts.



# Thanks for listening

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