

# QND Computer Science Day 14

Mark Schmidt

# Recap

- Wordle

# Swift Playgrounds

- Get out your iPad and download **Swift Playgrounds**
- We'll need it tomorrow



# Wordle Improvements

- Guess Count
- Random word
- Validate word is a real word

# Guess Count

- We've done this already!
- Use `break` to exit the loop

```
var guessCount = 0

while playing {
    if guessCount > 6 {
        print("You're out of guesses :(")
        break
    }
    // ...
    guessCount += 1
}
```

# Random Word

- Create a list of words

```
var wordBank = ["apple", "maple", "trees", "stare"]  
let secret = wordBank.randomElement()! // Choose a random word
```

# Validate Word is a Real Word

- Load strings from the `valid_words.txt` file
- Use `.contains()` to check if the word is present in the list
- `!` means NOT

```
let validWords = readStringsFromFile("valid_words.txt")
//...
if !validWords.contains(guess) {
    print("Guess \((guess) not a valid word :(".red())
    continue // Skip to the top of the while loop again
}
```

# Grading

- ONE of these
  - Guess Count
  - Random word
  - Validate word is a real word
- For cookies, keep working on all of them for the rest of class!