QND Computer Science Day 14
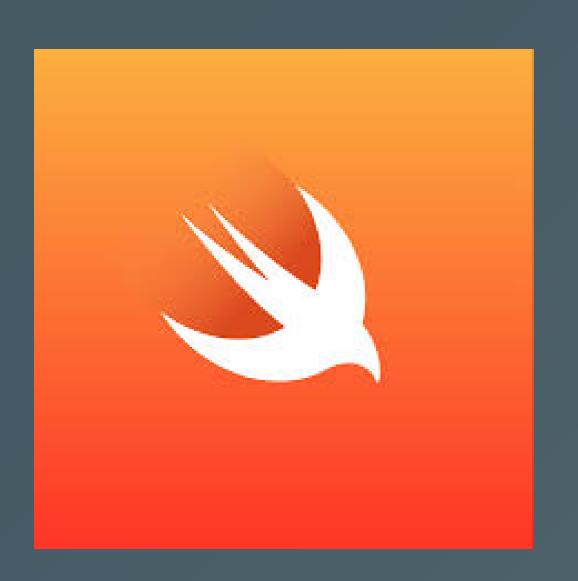
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Recap

- 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

```swift
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!