

# Goals

## Swift

Photography app with ML

## JS

ES6 course, libraries

### Done:

Firi (16.6.17)

Running app (16.4.2017 - 21:03)

Messenger (22.2.2017 )

Filtary,

Grades (26.11.16-18:14)

Ello.js (26.12.16 - 17:59 - 482 days)

update 17.6.2017

# HTML, CSS

- 1) **HTML** (hgroup, header, section, footer, aside, nav, main, article, figure, meter, time, wbr, dialog, ARIA, meta, form, link, a + basic els.)
- 2) **CSS** (rule, properties, colors, functions)
- 3) **Media queries**
- 4) **Selectors** (p[class]..., combinations)
- 5) **Animations, :before, :after** (complex)
- 6) **Layout with flexbox and grid**
- 7) **Preprocessors**

# SWIFT

- 1) **Essentials** (optionals, for-in, switch, repeat-while, enum, codable)
- 2) **Collection types, built-in methods**
- 3) **Functions, Closures, Subscripts** (ar. mean, backward names)
- 4) **Generics**
- 5) **Extensions** (units, repetitions)
- 6) **Class** (convenience init, get/Set, willSet, inheritance, type casting)
- 7) **Protocols, Struct**
- 8) **Error handling, ARC**
- 9) **App - running** (Foundation, UIKit, Core Location, Map Kit)
- 10) **App - photography** (... Core Data, Core Image, Core Graphics, Core ML)

# JS

- 1) **History**
- 2) **ES5 - Objects** (p. property, chain, inheritance, f. constructor, object.create)
- 3) **Data types** (6 + 1), typed arrays
- 4) **Execution contexts** (creation (3 stages) and execution phases, closures)
- 5) **const, let** (block scoping), **control flow, shorthand**
- 6) **Destructuring**
- 7) **Methods** (string, number, array, object)
- 8) **DOM, BOM, JSON**
- 9) **RegExp**
- 10) **Reflect, Spread**
- 11) **Data structures** (map, set)
- 12) **Bind, Call, Apply**
- 13) **Class** - park reports, arrow f., get/set, empty constructor
- 14) **Symbols**
- 15) **Iterators, Generators**
- 16) **Promises, Modules**
- 17) **Proxy**
- 18) **JS Ninja exercises**
- 19) **Module pattern** (library, app)
- 20) **React** (Fiber, show year)