Created by: Zoltán Richárd Jánki
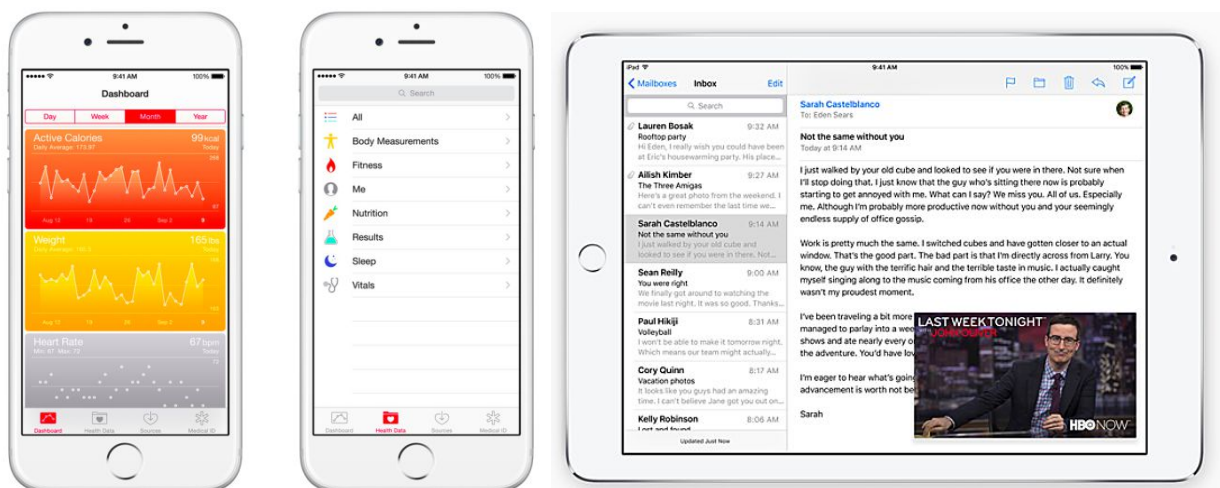**Date: 30.03.2017**

Apple Swift Course
Practice 7

MVCs:
- in an application all the newly opening "screen" is actually an MVC
- an application that has more than one MVCs can be:
    ~ Single View Application:
        • Tab Bar Controller
        • Navigation Controller
    ~ Split View Application:
        • Split View Controller

Connections between MVCs:
- we switch to another MVC due to an Action
- the so-called Segues are responsible for the navigation
- a Segue can be:
    ~ Show: use in Single View applications (new screen in the application)
    ~ Show Detail: in the cases of Split View applications (Master-Detail)
    ~ Modal: navigates to another application (e.g.: add contact)
    ~ Popover: felbukkanó kisebb méretű ablak (e.g.: search)
- the functionality that occurs behind the navigation are handled in the prepare() method (ovveridable)
    ```
    override func prepare(for segue: UIStoryboardSegue, sender: Any?) {}
    ```
        • **segue**: the concrete Segue object
        • **sender**: the object that induced the navigation (e.g.: a button)

Navigation between MVCs:
- we give the destination in the prepare() method
    ```
    segue.destination
    ```
- the Segues can have indentifier, so we can add different functionalities to the same View Controller
    ```
    segue.identifier          (String)
    ```
- a sender object can be e.g. a UIButton

UIImageView class:
- used to show pictures
- we can pass a picture from external reference (http) or from the Assets.xcassets
- the instantiated object has an **image** attribute, which has a parameter, the path in String
- layout with the same ratio: UIImageView → Attributes inspector → View: Content Mode → Aspect
                                                                                        Fit

Adding title and ← (Back) functions to the MVCs:
- the different View Controllers can be embedded in a Navigation Controller
- the navigational part won't be implemented, but the functionality is guaranteed to the View Controller
- Editor → Embed In → Navigation Controller
- the title can be edited statically and dinamically:
    ~ statically: on the Storyboard
    ~ dinamically: the ViewController object has a **navigationItem** object, and it has a **title**
    attribute. We have to set this attribute.