iOS Programming Assignment

The goal of this assignment is to assess your iOS API knowledge and general programming style. You should be able to accomplish it in a few hours. It is not necessary to handle all edge cases; however, please indicate in comments any work which would still be remaining to "productize" the implementation.

The assignment is to create a small app that does the following:
1. A list of products is retrieved from a REST endpoint
2. A View Controller presents the products in a grid (2 columns), items are roughly square shaped (see image 1)
3. Clicking on a product leads to another View Controller, showing this product's details
4. The details of the clicked product are retrieved from a REST endpoint as well based on a url which is derivable from the data in the product list response.

Key requirements:
1. For bonus points please implement using the Swift programing language.
2. Please use a Storyboard in your implementation
3. When displaying the product detail view, please ensure the view works well in both portrait and landscape orientations.

Rough UI of the final app

1. Each product tile should show the following information:
   a. an image
   b. the name
   c. the price

REST information

You can obtain the list of products from the following REST endpoint:

- *https://s3-eu-west-1.amazonaws.com/developer-application-test/cart/list*

  method: GET
  parameters: none

A product can be obtained from the following endpoint:

- *https://s3-eu-west-1.amazonaws.com/developer-application-test/cart/{product_id}/detail*

  method: GET
  parameters: product_id

Image 1

image	image
Product name	Product name
price	price

image	image
Product name	Product name
price	price

image	image
Product name	Product name
price	price

image	image
Product name	Product name

Appendix:

Product List:
URL: *https://s3-eu-west-1.amazonaws.com/developer-application-test/cart*
Note: Price is displayed in cents, thus 120 represents €1,20
Sample response:

```
{
  "products" : [
    {
      "product_id" : "1"
      "name" : "Apples",
      "price" : 120,
      "image" : "https://s3-eu-west-1.amazonaws.com/developer-application-test/images/1.jpg"
    }
  ]
}
```

Product Details:
URL: h*ttps://s3-eu-west-1.amazonaws.com/developer-application-test/cart/{product_id}/detail*

Note: The url contains "{product_id}" this should be replaced by the product_id of the product you are looking up, for example h*ttps://s3-eu-west-1.amazonaws.com/developer-application-test/cart/1/detail*
Sample Response:

```
{
  "product_id" : "1",
  "name" : "Apples",
  "price" : 120,
  "image" : "https://s3-eu-west-1.amazonaws.com/developer-application-test/images/1.jpg",
  "description" : "This is a text block which should be displayed and can be very long."
}
```