

# ADVANCED IOS PROGRAMMING

Winter 2017

## SUMMARY

## OBJECTIVE

Create an app that presents a table of items and can show a detailed view of these items on a second screen.

## PROJECT REQUIREMENTS

The project **MUST** use the MVC design pattern. It will require three View Controllers, three Views and one Model module.

The project **MUST** include the following characteristics: **a splash screen, a table view, a detail view, an add item view**, and the ability to navigate back and forth from the table view to the detail view.

### Splash Screen

The Splash Screen will be done on the **launchscreen.storyboard** file that Xcode provides. It will contain **your name, your login** and the **name of the app**. The name of the app can be anything you want it to be but it **needs to have a name**.

### Table View

The Table View screen will contain the following components:

- A custom prototype cell containing
  - Name of the item
  - Thumbnail image of the item
  - Subtitle/Category of the item
- A button on the top right of the navigation bar that will allow for the addition of new items

## Detail View

The Detail View will contain the following components:

- A full sized image covering the upper half of the screen
- The name of the item
- Subtitle
- Full text description

The text information will need to be positioned on the bottom half of the screen

## Add Item View

When tapping on the button placed on the navigation screen, a new view will be displayed containing the following empty fields

- Name of the Item
- Subtitle/Category
- Full description (multiline text field)
- UIButton to Save Changes and return to the Table View

## Additional Requirements

The app should also meet the following requirements:

- An image should be used covering the entire background of the splash screen. A plain color or a sober gradient is preferable.
- The app should have its own icon.
- The app name that is shown on the splash screen should match the name below the app screen icon before opening the app.
- Create a design that is readable and uses color, but that isn't aggressive to the eyes. See examples of table views like in Spotify, Slack, Whatsapp. White color works well if other elements are nice and readable.
- When the user inputs an incorrect value on the Add Item screen (special characters, empty strings, etc...) the app should not crash and the UILabel should display an error in red.
- The project must compile and run when tested on my side. If I cannot compile a project or it crashes during runtime your grade will only reflect what was available during runtime.
- The code should adhere to the Ray Wenderlich style guide for Swift.

## DELIVERY

The app will be delivered no later than 2:00 am on the Monday 20th of February. This means it needs to be sent on Sunday night or right after midnight.

The app will be uploaded to your Github or Bitbucket account. Ideally you should already be following me at <https://github.com/Suiz/>

Projects delivered as a zip file or any kind of attachment to my email will not be accepted.