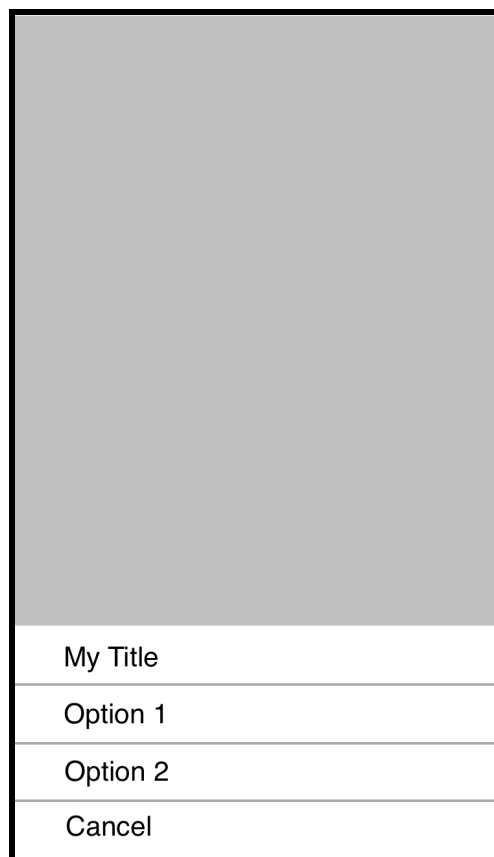


## Task: Create a bottom sheet component and integrate it into a simple Weather app

The task is to make a bottom sheet component that will be used in a number of places throughout an app. The bottom sheet is a menu presented at the bottom of the screen that offers the user a number of options to select. The idea is that this component that you make will be used throughout the entire app whenever this style of menu is needed, so the component must be suitably generic.

### Part 1: Create the simple bottom sheet component

A simple example of a bottom sheet is shown in the image below.



Your design should meet the following specifications:

- The bottom sheet should be able to support a title and a variable number of options.
- The bottom sheet must have a way to signal which option was selected.
- The bottom sheet should animate in from the bottom of the screen when presented.

Your design should be done in Swift and take advantage of features such as Auto Layout and the components available in UIKit. All UI should be done programmatically (no storyboards).

## Part 2: Integrate the bottom sheet into a basic Weather app

Display the temperature of London by querying the [weather API](#)

Provide a button to show options in the bottom sheet to switch between the temperature of New York, London and Tokyo

Constraints:

- Use Auto Layout
- Use UIKit
- Make the UI programmatically(no storyboards)

We are looking for well designed clean code, and not looking for a lot of functionality, just a simple UI is fine.

