

Apple News Format Tutorials

Create a basic article and then add advanced design features.

Overview

In these tutorials, you'll download `article.json` files and follow steps to add code. Preview your changes in News Preview as you go. If you are not familiar with JSON or Apple News Format, see [JSON Concepts and Article Structure](#) before you get started.

Requirements

Before beginning the tutorial, make sure you have the following installed:

- [Java 8](#)
- [News Preview](#)
- The required version of [Xcode](#) for your News Preview version, as specified on the [News Preview](#) page. After you install Xcode, launch the application and agree to all license agreements. When you see the Welcome to Xcode window, you have finished installing Xcode.
- iOS 11 or later SDK. This is part of the Xcode installation.
- Text editing software of your choice. This is necessary only if you are editing the tutorial files yourself. See [Choose a Text Editor](#).

Topics

Introductory Design Tutorial

Download the tutorial files, and learn about what you'll create in the introductory tutorial.



Creating Your First Article

Create an article with text components and component text styles.



Positioning Text Components

Adjust the positions of the text components in your article—for example, place the article body off-center.



Adding a Divider

Create a horizontal, styled divider that extends to the right edge of the display.



Adding an Image and Captions

Create a photo that extends to both edges of the display, with captions that appear in the article layout and in full-screen view.



Adding a Pull Quote

Break an existing body component into two components, and then insert a pull quote between them.



Adding a Gallery of Images

Display three images as a sequential gallery.



Adding a Mosaic of Images

Display five images as mosaic tiles.



Adding a Tweet

Include a tweet in an article.



Adding a Podcast

Add a link to a podcast that displays the podcast artwork and the podcast show or episode information.



Viewing the Finished Article for the Introductory Design Tutorial

See the full JSON code from this tutorial.

Advanced Design Tutorial 1: Headers and Parallax Behavior



Setting Up the Advanced Tutorials

Download the tutorial files, and learn about what you'll create in the three advanced tutorials.



About Containers

Learn the basic Apple News Format container concepts required for the three advanced tutorials.



Creating a Layered Header

Create a header with a caption that's layered in front of an image.



Adding Parallax Behavior

Create an illusion of multiple flat layers by causing the article body to overlap the header as the user scrolls.



Viewing the Finished Article for Advanced Design Tutorial 1

See the full JSON code from this tutorial.

Advanced Design Tutorial 2: Layout and Positioning



Creating a Complex, Layered Header

Layer a title and heading in front of an image, with their colors optimized for legibility.



Creating a Floating Caption

Position a caption in the wide right margin of your article.



Creating an Inset Pull Quote

Wrap article body text around an inset pull quote.



Creating an Inset Photo

Wrap article body text around an inset photo.



Adding Color to Text Ranges

Create text in color by using HTML to refer to TextStyle objects.



Adding Animations

Use animations to affect how parts of your article come into view the first time they appear.



Adding a Scene


Control how the article's opening section comes into view.




Viewing the Finished Article for Advanced Design Tutorial 2


See the full JSON code from this tutorial.

Advanced Design Tutorial 3: More Ideas


 Giving the Article a Dark Color Scheme
Apply a new color scheme to your article.

 Adding a Video
Add a video component inside the header component.


 Creating a Sidebar
Create a box with an HTML bulleted list in the margin.

 Adding a Fixed Image Fill
Add an image that remains stationary when the user scrolls.

 Creating a Newsletter Sign-Up Element
Add a newsletter sign-up element in your article.

 Viewing the Finished Article for Advanced Design Tutorial 3
See the full JSON code from this tutorial.

More Examples

 Examples
Download more example article bundles for Apple News Format articles.

See Also

Article Design and Creation