What’s New in Safari View Controller

Session 225

Chelsea Pugh, Safari Engineer
Louie Livon-Bemel, Safari Engineer
Browsing the web
Authenticating with a third-party service
Displaying web content
Displaying web content
Matching your app’s style
Displaying web content
Matching your app’s style
iOS 11 improvements
Displaying web content
Matching your app’s style
iOS 11 improvements
Tailoring Safari View Controller
Displaying web content

Matching your app’s style

iOS 11 improvements

Tailoring Safari View Controller
Displaying Web Content
SFSafariViewController
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Standard features already implemented
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Present an in-app web browser without the work
Displaying Web Content
SFSafariViewController

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Present an in-app web browser without the work

Easily log users in to third-party services
Displaying Web Content
WKWebView
Displaying Web Content
WKWebView

Manipulate the DOM
Displaying Web Content
WKWebView

Manipulate the DOM
Customize navigations
Displaying Web Content
WKWebView

Manipulate the DOM
Customize navigations
Add your own UI
Safari View Controller in depth
In-app web browsing made easy
Secure browsing experience
WebKit
Open Source Web Browser Engine

WebKit Downloads
Try out the latest web technologies in WebKit.
Deceptive Website Warning

This website may try to trick you into doing something dangerous, like installing software or disclosing personal or financial information, like passwords, phone numbers, or credit cards.

Show Details Go Back
Features from Safari
Please Sign In

chelsea

***************

Forgot your Apple ID or Password?  Sign In

Use your Apple ID for the following services:

- App Store
- iTunes Store
- iPhoto Print Products
- iCloud

Don't have an Apple ID? Create one now.
Release Notes for Safari Technology Preview 30
May 17, 2017 by Jon Davis @jonathandavis

Safari Technology Preview Release 30 is now available for download for macOS Sierra. If you already have Safari Technology Preview installed, you can update from the Mac App Store’s Updates tab. This release covers WebKit revisions 215859-216643.

Web API

- Implemented Subresource Integrity (SRI) (r216347)
- Implemented X-Content-Type-Options: nosniff (r215753, r216195)
Apple Pay

CARD & BILLING
WELLS FARGO DEBIT (**** 1234)
27 FREDERICK BUTTE RD BROTHER...

SHIPPING
JANE APPLESEED
27 FREDERICK BUTTE RD BROTHERS OR 97712
UNITED STATES

METHOD
STANDARD (FEDEX US)
FREE SHIPPING

CONTACT
J.APPLESEED@ICLOUD.COM
(458) 555-2863

SUBTOTAL
$128.00
SHIPPING
$0.00
PAY APPLE
$128.00

Pay with Touch ID
Content blocker extensions
Displaying web content
Matching your app’s style
iOS 11 improvements
Tailoring Safari View Controller
Displaying web content
Matching your app’s style
iOS 11 improvements
Tailoring Safari View Controller
New look
WebKit for Web Developers

WebKit is the web browser engine used by Safari, App Store, and many other OS X, iOS, and Linux applications. Web developers can stay updated on feature support, follow development on the blog, try out the latest web technologies by downloading Safari Technology Preview and report bugs.

Contributing to WebKit

You can provide bug reductions or...
The WebKit Open Source Project

WebKit is an open source Web content engine for browsers and other applications.

We value real-world web compatibility, standards compliance, stability, performance, security, portability, usability, and relative ease of understanding and modifying the code (packability).
Customizing color
Release Notes for Safari Technology Preview 31

May 31, 2017 by Jon Davis

@jonathandavis

Safari Technology Preview Release 31 is now available for download for macOS Sierra. If you already have Safari Technology Preview installed, you can update from the Mac App Store's...
Release Notes for Safari Technology Preview 31

May 31, 2017 by Jon Davis

@jonathandavis

Safari Technology Preview Release 31 is now available for download for macOS Sierra. If you already have Safari Technology Preview installed, you can update from the Mac App Store's...
Customizing Bar and Tint Color

class SFSafariViewController : UIViewController {
    var preferredBarTintColor: UIColor
    var preferredControlTintColor: UIColor
}

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class SFSafariViewController : UIViewController {
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}
A few weeks ago, we announced the creation of the W3C GPU for the Web Community Group and our proposal, WebGPU. As of Safari Technology,
A few weeks ago, we announced the creation of the W3C GPU for the Web Community Group and our proposal, WebGPU. As of Safari Technology Preview 63, we have implemented the WebGPU API, which is a powerful tool for GPU-accelerated web applications.
Demo

Customizing color

Louie Livon-Bemel, Safari Engineer
Hidden Gems Pizza is the proud home of the Safari pizza, voted Greatest Potentially Fictional Slice of Pie in 2017! Come over to enjoy some delicious pizza with the family, or get some of the mouthwatering goodness delivered to you via SFTP.

We always use the freshest, most delicious ingredients on our pizzas -- none of that
Displaying web content
Matching your app’s style
iOS 11 improvements
Tailoring Safari View Controller
Displaying web content
Matching your app’s style
iOS 11 improvements
Tailoring Safari View Controller
Drag and Drop
Apple Pencil for iPad Pro

Completely familiar. Entirely revolutionary.

When using iPad Pro, there may be moments when you want even greater control over your notes and artwork. Enter Apple Pencil. It uses precision sensors and a gyroscope to help you write, draw, and make notes in Microsoft Office or Keynote with the precision of a real pencil. Just tap the eraser to clean away mistakes. The Pencil natively and wirelessly connects to the iPad Pro.
Status Bar
How to shoot on iPhone 7.
How to shoot on iPhone 7.
How to shoot on iPhone 7.
Status Bar

Other views can be presented in Safari View Controller
Status Bar

Other views can be presented in Safari View Controller

Use UIViewController-based status bar appearance
Status Bar

Other views can be presented in Safari View Controller

Use UIViewController-based status bar appearance

Set `UIViewControllerBasedStatusBarAppearance` to `YES` in `Info.plist`
How to shoot on iPhone 7 - Photography
apple.com
BBQ Tongs

★★★★☆ 578 Reviews

$8.99

Buy Now

Tongs are an everyday essential in the kitchen. Whether you're sautéing vegetables, frying gyoza, flipping crab cakes, or just mixing a salad, tongs are a must have.

Product Highlights:

1. Stainless Steel Construction
2. Silicone highlights for gripping food
3. Hanging loop that can also lock the tongs closed for storage
4. Can sustain temperatures between 3° Kelvin and 300° Celsius, for up to 3 hours
BBQ Tongs

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4. Can sustain temperatures between 3° Kelvin and 300° Celsius, for up to 3 hours
Review your information

Shipping Address
Vivian Li
3440 Byrd Lane
Antelope Ridge, NM 88252
Change Address

Payment Method
Change
Credit Card: Visa XXXX-XXXX-XXXX-1111
$8.99 USD

Contact Information
vivianl1@icloud.com
(505) 555-0155

Your Order
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBQ Tongs</td>
<td>$8.99</td>
</tr>
<tr>
<td>Seller: Example Store Item Price: $8.99 Quantity: 1</td>
<td></td>
</tr>
<tr>
<td>Shipping &amp; Handling</td>
<td>$0.00</td>
</tr>
<tr>
<td>Tax</td>
<td>$0.00</td>
</tr>
<tr>
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| Seller: Example Store
| Item Price: $8.99 |
| Quantity: 1       |        |
| Shipping & Handling | $0.00  |
| Tax               | $0.00  |
| Total             | $8.99  |

Pay Now
Order Complete

Order Details

BBQ Tongs
Quantity: 1
Total: $8.99
Tracking: 1206E18A6840121864

Total: $8.99
Order Number: W0000000389
Safari View Controller supports
window.open()
BBQ Tongs

★★★★☆ 578 Reviews

$8.99

Buy Now

Tongs are an everyday essential in the kitchen. Whether you’re sautéing vegetables, frying gyoza, flipping crab cakes, or just mixing a salad, tongs are a must-have.

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★ ★ ★ ★ ★ 578 Reviews

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Vivian Li
3440 Byrd Lane
Antelope Ridge, NM 88252

Payment Method

Credit Card: Visa XXXX-XXXX-XXXX-1111
$8.99 USD

Contact Information

vivianli1@icloud.com
(500) 555-0185

Your Order

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Pay Now
# Review your information

## Shipping Address

Vivian Li  
3440 Byrd Lane  
Antelope Ridge, NM 88252  
Change Address

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<tr>
<td>Quantity:</td>
<td>1</td>
</tr>
</tbody>
</table>

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| Tax                   | $0.00   |

| Total                 | $8.99   |
Order Complete

Order Details

BBQ Tongs
Quantity: 1
Total: $8.99
Tracking: 1206E18A6840121864

Total: $8.99
Order Number: W0000000389
Privacy
Browsing in your app is different
Different identity for different apps
Separate, persistent data stores
Prevent cross-app tracking
Private Browsing
For other uses, see Kitten (disambiguation) and Kitty (disambiguation).
Puppy

This article is about the domestic dog. For other uses, see Puppy (disambiguation).
Puppy

This article is about the domestic dog. For other uses, see Puppy (disambiguation).
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Tailoring Safari View Controller
Customizing Dismiss Button
Introducing
TODAY AT APPLE

Inspiration is now in session.

See what’s at your Apple Store ›
Watch the film ▶

How to shoot
iPhone 7
Apple Website Terms of Use

Legal Information & Notices

Ownership of Site; Agreement to Terms of Use

These Terms and Conditions of Use (the "Terms of Use") apply to the Apple website located at www.apple.com, and all associated sites linked to www.apple.com by Apple, its subsidiaries and affiliates,
Customizing Dismiss Button

enum DismissButtonStyle : Int {
    case done
    case cancel
    case close
}

class SFSafariViewController : UIViewController {
    var dismissButtonStyle: SFSafariViewController.DismissButtonStyle
}

Customizing Dismiss Button

```swift
enum DismissButtonStyle : Int {
    case done
    case cancel
    case close
}

class SFSafariViewController : UIViewController {
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}

Choose button depending on your use case
Customizing Dismiss Button

```swift
enum DismissButtonStyle : Int {
    case done
    case cancel
    case close
}

class SFSafariViewController : UIViewController {
    var dismissButtonStyle: SFSafariViewControllerDismissButtonStyle
}
```

Choose button depending on your use case

Value can be changed while presented
Customizing Share Sheet
Customizing the Share Sheet

```swift
open class UIActivityViewController : UIViewController {
    open var excludedActivityTypes: [UIActivityType]?
}
```
Customizing the Share Sheet

```swift
protocol SFSafariViewControllerDelegate : NSObjectProtocol {
    optional func safariViewController(_ controller: SFSafariViewController, excludedActivityTypesFor URL: URL, title: String?) -> [UIActivityType]
}
```
iPhone
This is 7.
iPhone
This is 7.

JFK Centennial Celebration
Lessons in leadership
class Configuration : NSObject, NSCopying {
    var barCollapsingEnabled: Bool
}
class Configuration : NSObject, NSCopying {
    var barCollapsingEnabled: Bool
}

Part of new SFSafariViewController.Configuration
Bar Collapsing

```swift
class Configuration : NSObject, NSCopying {
    var barCollapsingEnabled: Bool
}
```

Part of new `SFSafariViewController.Configuration`

Leave enabled for a more immersive browsing experience
Bar Collapsing

Part of new `SFSafariViewController.Configuration`

Leave enabled for a more immersive browsing experience

Disable if dismiss button should always be shown

```swift
class Configuration : NSObject, NSCopying {
    var barCollapsingEnabled: Bool
}
```
Demo

Tailoring Safari View Controller for your app

Louie Livon-Bemel, Safari Engineer
SampleChat

livbem

Log In

I forgot my password

I am new customer, sign me up!

SampleChat is a registered trademark of Sample LLC, a subsidiary of Example Corp.

By logging in to this example site you agree to our Terms of Service and our Privacy Policy. Our Privacy Policy is way longer than humanly possible to read. However, our Terms of Service are human-readable.

In short, our terms of service state that you agree to the following:
SampleChat

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By logging in to this example site you agree to our Terms of Service and our Privacy Policy. Our Privacy Policy is way longer than humanly possible to read. However, our Terms of Service are human-readable.

In short, our terms of service state that you agree to the following:

1. You agree to adopt SFSafariViewController in your application.
2. You agree that this service is available as-is, and there is no implied contract of support.
3. You agree that this service is to be used as an example to illustrate a point.
Success!

You've granted 'PizzaStories' access to your SampleChat account.

You can close this window at any time.
We hear you
Summary
What’s New in Safari View Controller
Summary
What’s New in Safari View Controller

Provides a great in-app web browsing experience
Summary
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Many improvements and customization options
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Take another look
More Information

https://developer.apple.com/wwdc17/225
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<th>Location</th>
<th>Date/Time</th>
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<td>Executive Ballroom</td>
<td>Wednesday 9:00AM</td>
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<tr>
<td>Customized Loading in WKWebView</td>
<td>Grand Ballroom A</td>
<td>Wednesday 4:10PM</td>
</tr>
<tr>
<td>Introducing Safari View Controller</td>
<td>WWDC 2015</td>
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<tr>
<td>Labs</td>
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</tr>
<tr>
<td><strong>Safari, WebKit, and Password AutoFill Lab</strong></td>
<td><strong>Technology Lab K</strong></td>
<td><strong>Thurs 11:00AM–1:00PM</strong></td>
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