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Bootstrap Alerts

In this tutorial you will learn how to create alerts messages with Bootstrap.

Creating Alert Messages with Bootstrap

Alert boxes are used quite often to stand out the information that requires immediate attention of the end users such as warning, error or confirmation messages.

With Bootstrap you can easily create elegant alert messages box for various purposes. You can also add an optional close button to dismiss any alert.

You can create a simple Bootstrap warning alert message box by adding the contextual class `.alert-warning` to the `.alert` base class, as shown in the following example:

Example	Try this code »

```
1   <div class="alert alert-warning alert-dismissible fade show">
2       <strong>Warning!</strong> Please enter a valid value in all the required fields
    before proceeding.
3       <button type="button" class="close" data-dismiss="alert">&times;</button>
4   </div>
```

— The output of the above example will look something like this:

Warning! Please enter a valid value in all the required fields before proceeding.   ×

💡 **Tip:** The `.fade` and `.show` classes on the `.alert` element enable the fading transition effect while closing the alert boxes. If you don't want animation just removes these classes. Also, the class `.alert-dismissible` is required on the `.alert` element for proper positioning of the `.close` button. If your alert doesn't have a close button you can skip this class.

Bootstrap 4 provides total 8 different types of alerts. The following example will show you the most commonly used alerts, which are: success, error or danger, warning and info alerts.

Example	Try this code »

```
1   <!-- Success Alert -->
2   <div class="alert alert-success alert-dismissible fade show">
3       <strong>Success!</strong> Your message has been sent successfully.
4       <button type="button" class="close" data-dismiss="alert">&times;</button>
5   </div>
6   <!-- Error Alert -->
7   <div class="alert alert-danger alert-dismissible fade show">
8       <strong>Error!</strong> A problem has been occurred while submitting your data.
9       <button type="button" class="close" data-dismiss="alert">&times;</button>
10  </div>
11  <!-- Warning Alert -->
```
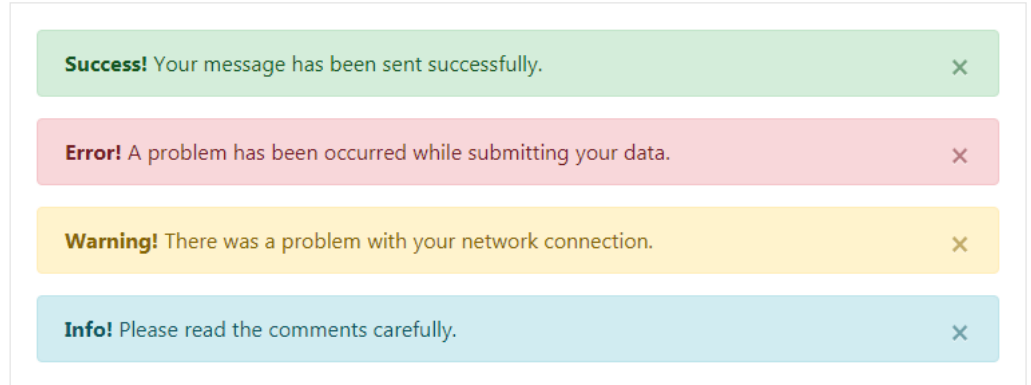
```
12    <div class="alert alert-warning alert-dismissible fade show">
13        <strong>Warning!</strong> There was a problem with your network connection.
14        <button type="button" class="close" data-dismiss="alert">&times;</button>
15    </div>
16    <!-- Info Alert -->
17    <div class="alert alert-info alert-dismissible fade show">
18        <strong>Info!</strong> Please read the comments carefully.
19        <button type="button" class="close" data-dismiss="alert">&times;</button>
20    </div>
```
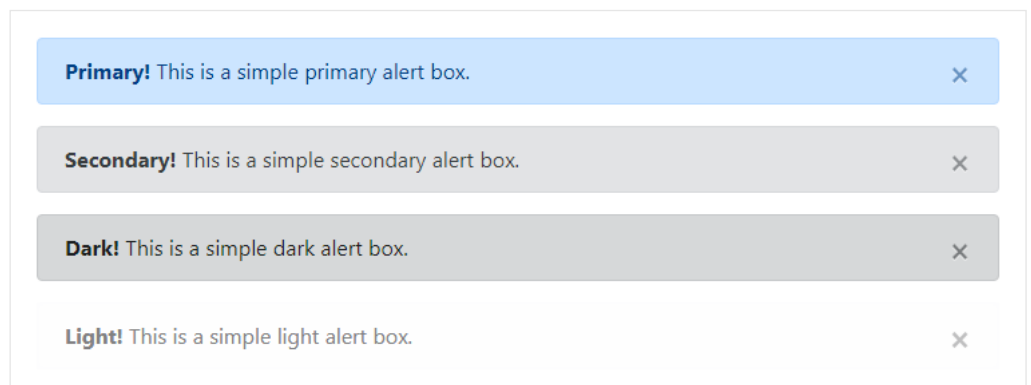
— The output of the above example will look something like this:

Success! Your message has been sent successfully.   ✕

Error! A problem has been occurred while submitting your data.   ✕

Warning! There was a problem with your network connection.   ✕

Info! Please read the comments carefully.   ✕

Here're the new alerts introduced in Bootstrap 4 that can be used for various purposes.

Example	Try this code »

```
1     <!-- Primary Alert -->
2     <div class="alert alert-primary alert-dismissible fade show">
3         <strong>Primary!</strong> This is a simple primary alert box.
4         <button type="button" class="close" data-dismiss="alert">&times;</button>
5     </div>
6     <!-- Secondary Alert -->
7     <div class="alert alert-secondary alert-dismissible fade show">
8         <strong>Secondary!</strong> This is a simple secondary alert box.
9         <button type="button" class="close" data-dismiss="alert">&times;</button>
10    </div>
11    <!-- Dark Alert -->
12    <div class="alert alert-dark alert-dismissible fade show">
13        <strong>Dark!</strong> This is a simple dark alert box.
14        <button type="button" class="close" data-dismiss="alert">&times;</button>
15    </div>
16    <!-- Light Alert -->
17    <div class="alert alert-light alert-dismissible fade show">
18        <strong>Light!</strong> This is a simple light alert box.
19        <button type="button" class="close" data-dismiss="alert">&times;</button>
20    </div>
```

— The output of the above example will look something like this:

Primary! This is a simple primary alert box.   ✕

Secondary! This is a simple secondary alert box.   ✕

Dark! This is a simple dark alert box.   ✕

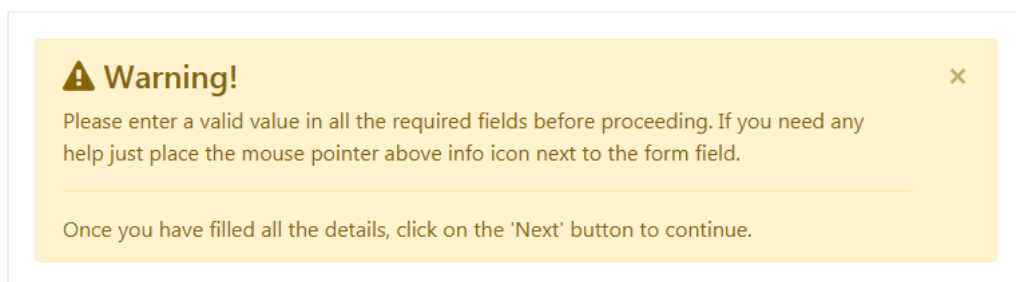**Light!** This is a simple light alert box.   ✕

Additional Content inside Alerts

You can also place additional HTML elements like headings, paragraphs and dividers inside an alert. To manage spacing between the elements you can use margin utility classes, as here:

Example	Try this code »

```
1  <div class="alert alert-warning alert-dismissible fade show">
2      <h4 class="alert-heading"><i class="fa fa-warning"></i> Warning!</h4>
3      <p>Please enter a valid value in all the required fields before proceeding. If
   you need any help just place the mouse pointer above info icon next to the form
   field.</p>
4      <hr>
5      <p class="mb-0">Once you have filled all the details, click on the 'Next' button
   to continue.</p>
6      <button type="button" class="close" data-dismiss="alert">&times;</button>
7  </div>
```

— The output of the above example will look something like this:

> ⚠ **Warning!**   ✕
>
> Please enter a valid value in all the required fields before proceeding. If you need any help just place the mouse pointer above info icon next to the form field.
>
> ───
>
> Once you have filled all the details, click on the 'Next' button to continue.
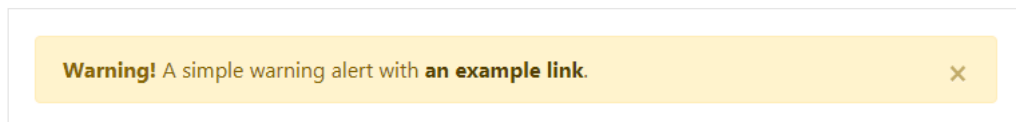
Matching Links Color inside Alerts

Apply the utility class `.alert-link` to the links inside any alert boxes to quickly create matching colored links, as shown in the example below:

Example	Try this code »

```
1  <div class="alert alert-warning alert-dismissible fade show">
2      <strong>Warning!</strong> A simple warning alert with <a href="#" class="alert-
   link">an example link</a>.
3      <button type="button" class="close" data-dismiss="alert">&times;</button>
4  </div>
```

— The output of the above example will look something like this:

> **Warning!** A simple warning alert with **an example link**.   ✕

Similarly, you can match links inside other alert boxes, as shown in the following example:

Example	☐	Try this code »

```
1  <!-- Success Alert -->
2  <div class="alert alert-success alert-dismissible fade show">
3      <strong>Success!</strong> A simple success alert with <a href="#" class="alert-
   link">an example link</a>.
4      <button type="button" class="close" data-dismiss="alert">&times;</button>
5  </div>
6  <!-- Error Alert -->
7  <div class="alert alert-danger alert-dismissible fade show">
8      <strong>Error!</strong> A simple danger alert with <a href="#" class="alert-
   link">an example link</a>.
9      <button type="button" class="close" data-dismiss="alert">&times;</button>
```

```
10    </div>
11    <!-- Warning Alert -->
12    <div class="alert alert-warning alert-dismissible fade show">
```

Closing Alerts via Data Attribute

Data attributes provides a simple and easy way to add close functionality to the alert boxes. Just add the `data-dismiss="alert"` to the close button and it will automatically enable the dismissal of the containing alert message box. Also, add the class `.alert-dismissible` to the `.alert` element for proper positioning of the `.close` button. Here's an example:

Example	Try this code »

```
1    <div class="alert alert-info alert-dismissible fade show">
2        <strong>Note!</strong> This is a simple example of dismissible alert.
3        <button type="button" class="close" data-dismiss="alert">&times;</button>
4    </div>
```

Use the `<button>` element for creating the close button for proper behavior across all devices.

Closing Alerts via JavaScript

You may also enable the dismissal of an alert via JavaScript.

Example	Try this code »

```
1    <script>
2    $(document).ready(function(){
3        $(".close").click(function(){
4            $("#myAlert").alert('close');
5        });
6    });
7    </script>
```

Methods

These are the standard bootstrap's alerts methods:

$().alert()

This method makes an alert listen for click events on descendant elements which have the `data-dismiss="alert"` attribute. Not necessary when using the data-api's auto-initialization.

Example	Try this code »

```
1    <script>
2    $(document).ready(function(){
3        $(".alert").alert();
4    });
5    </script>
```

$().alert('close')

This method closes an alert by removing it from the DOM.

Example	Try this code »

```
1    <script>
2    $(document).ready(function(){
```

```
3        $(".close").click(function(){
4            $("#myAlert").alert('close');
5        });
6    });
7    </script>
```

Events

Bootstrap's alert class includes few events for hooking into alert functionality.

Event	Description
close.bs.alert	This event fires immediately when the close instance method is called.
closed.bs.alert	This event is fired when the alert message box has been closed. It will wait until the CSS transition process has been fully completed before getting fired.

The following example displays an alert message to the user when fade out transition of an alert message box has been fully completed.

Example	Try this code »

```
1    <script>
2    $(document).ready(function(){
3        $("#myAlert").on('closed.bs.alert', function(){
4            alert("Alert message box has been closed.");
5        });
6    });
7    </script>
```

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