



ECE 480 Point of Sale Grocery Cart

Application Note Assignment



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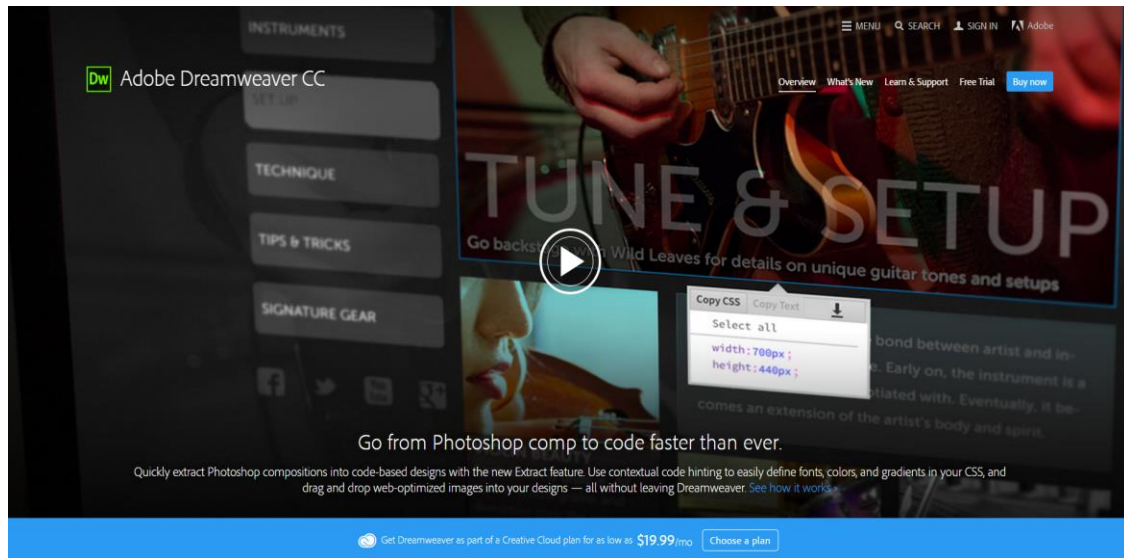
2014-11-14

Introduction

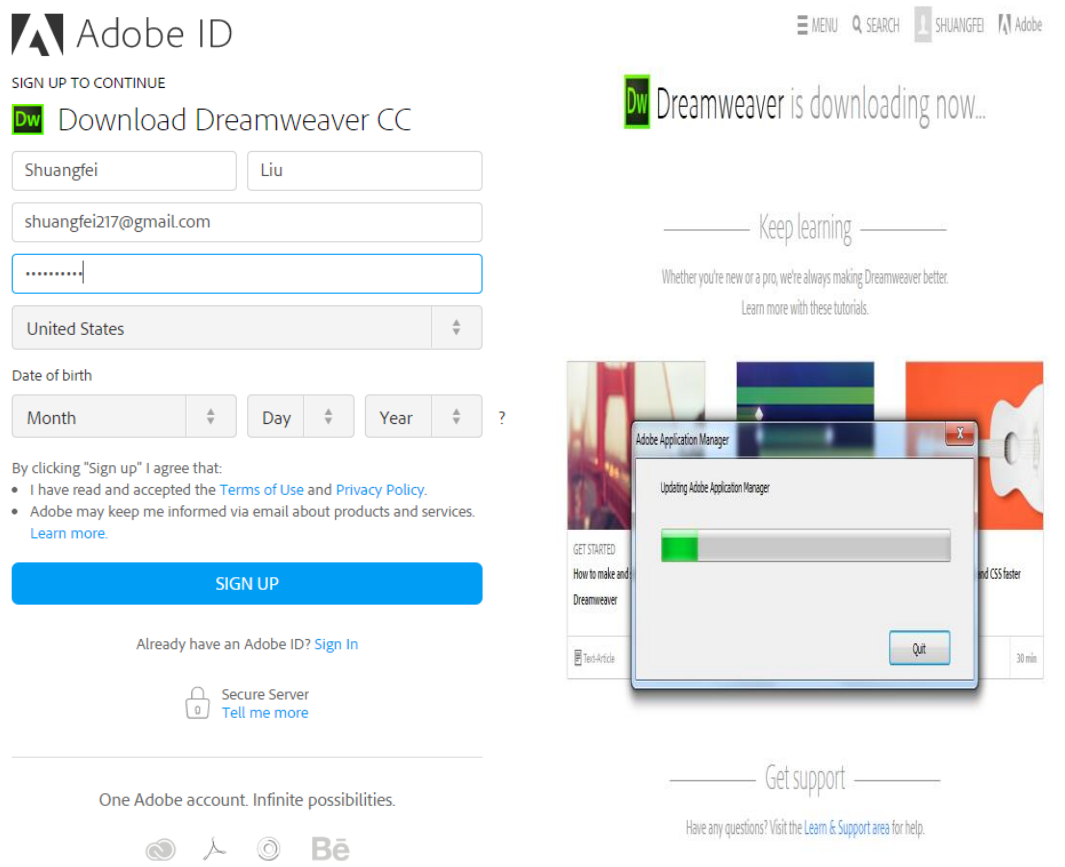
The grocery cart is being used by most of people in the world. Also, it has been familiar with for a long time. However, it still has some issues about the system which is the unnecessary stop at the checkout line during a shopper being finished picking up items. Our goal is to avoid the unnecessary waiting and not to wasting shoppers' time. The team will create a more convenient and easier system for shoppers to use, while cutting down on the costs of the store. The new system will place the scanner wielded by the cashier into the hands of every shopper. Shoppers can use their smartphone to scan items. After an item has been scanned, the cart which is equipped with a set of load cells reads the weight of the item added to the grocery cart and verifies it to connect with the store's database. Also, this checkout system will save time and money for both sides of the grocery store.

In this essay, I will focus on talking about web creation for our team. I will discuss about installing a program, like Dreamweaver, how to use it, how does html work on the server, and how to write codes in the html file. This web creation is helping our team making our project clearer and more detail to show it to everyone online. I have spent some time figuring out how Dreamweaver works and how to write codes in an html file. Let me show all the steps for some basic knowledge about the program and html in this application note.

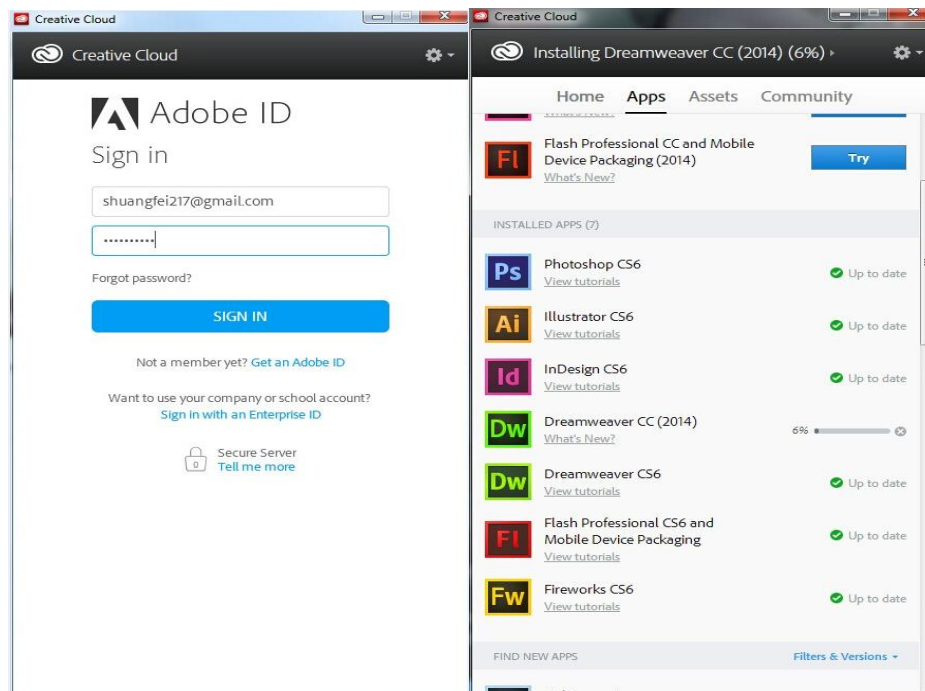
First, I'd like to talk about how to download and install Dreamweaver online. This program has been used by people in a lot of ways and place for a long time. It is a very popular software for web designers.



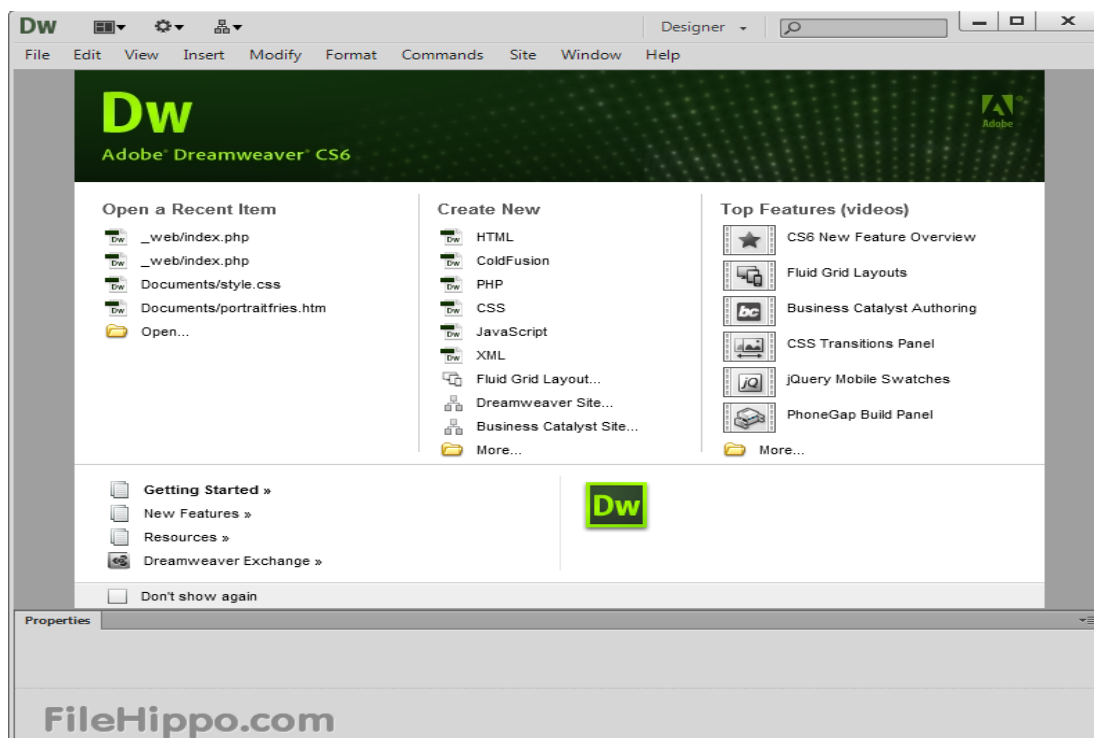
This is the home webpage (<https://www.adobe.com/products/dreamweaver.html>) for Adobe Dreamweaver CC. We can push the button Free Trial to download this program.



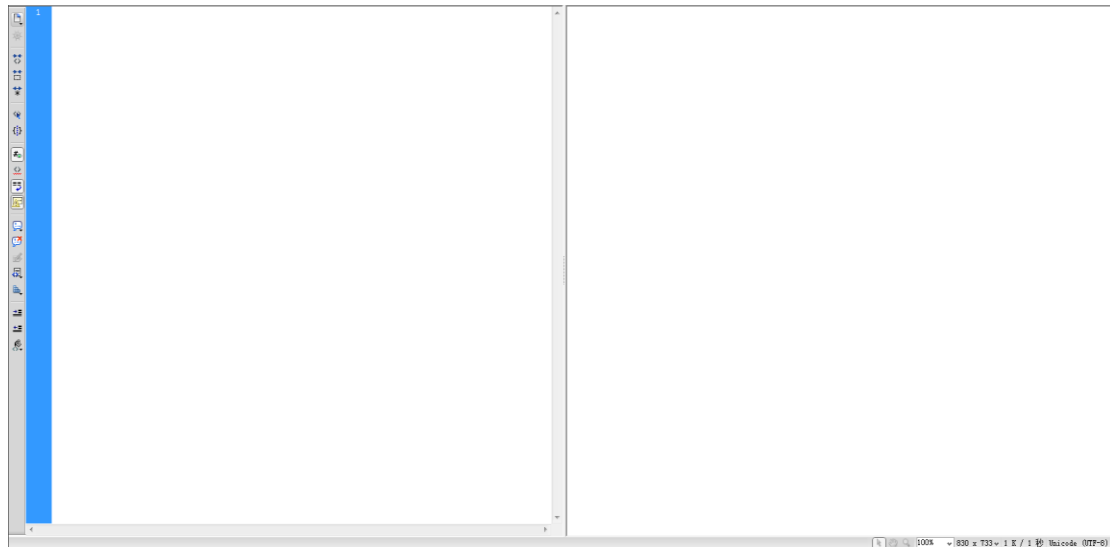
We need to sign up a account to activate this download, and then, this download will be processed in a minute. We don't need to buy this program right now since we just used some basic functions to make a simple webpage for our project.



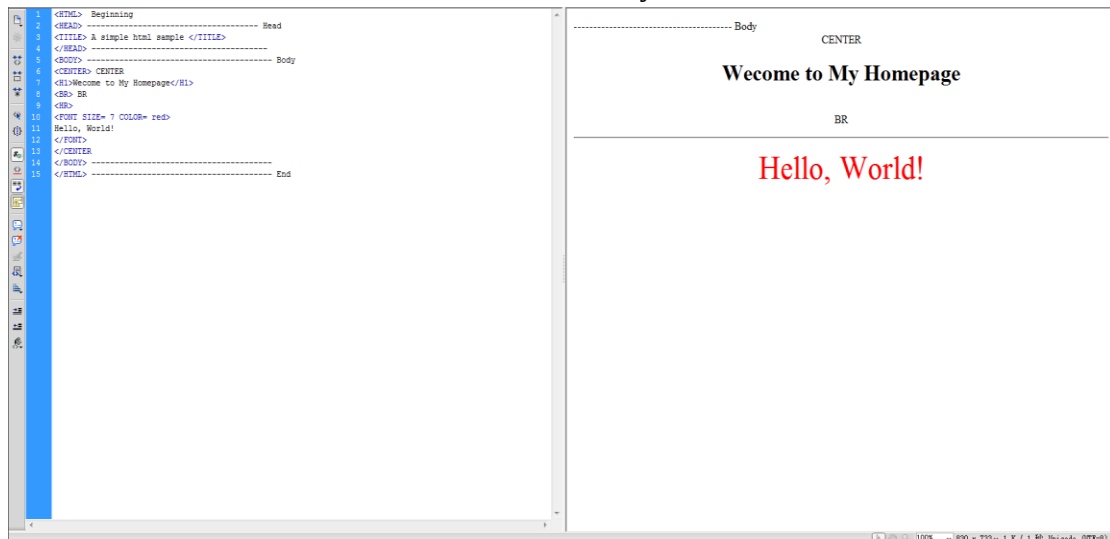
After download being finished, it will required us to sign in our own account which we have already signed up. This finished download is just a Creative Cloud that a program is to download all the softwares by Adobe. Here we just want Dreamweaver CC or Dreamweaver CS6. In my personal experience, Dreamweaver CS5 is the best version. I have made a lot of webpages during my freshmen year with CS5 version. The interface design for this version is clear and easy to see. If we download CS6, we may still change this interface to a classical interface.



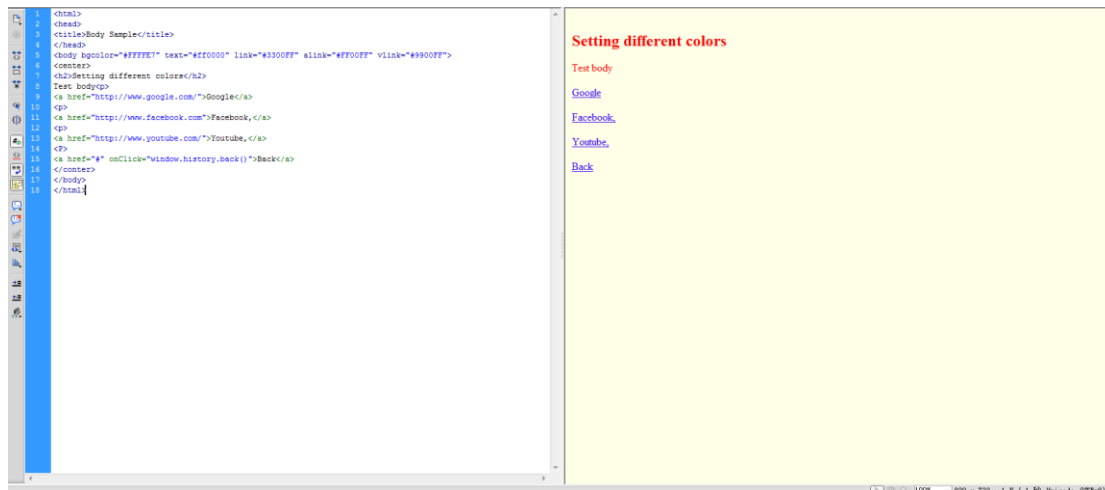
This the main interface for Dreamweaver CS6. We also change the interface to classical one by click Window/Workspace/Classic.



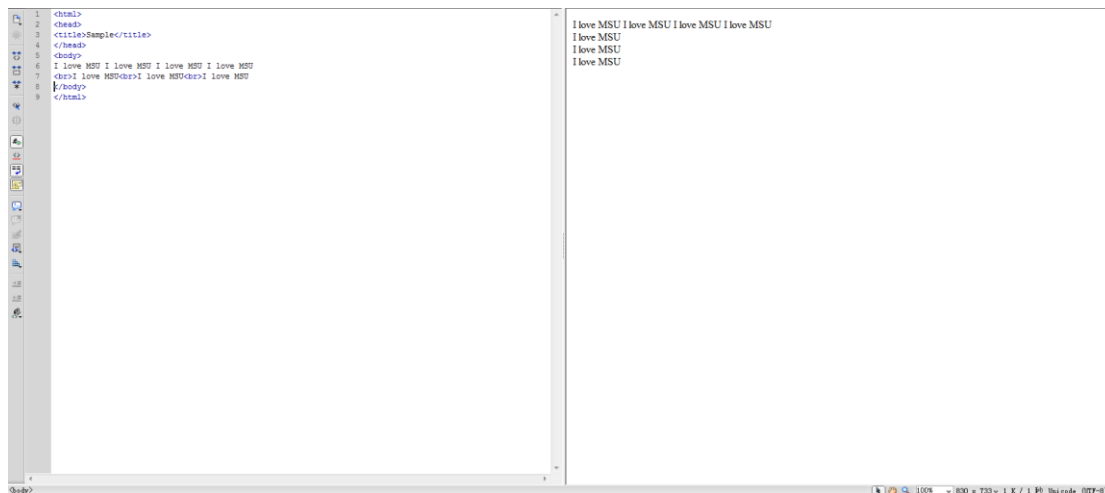
Dreamweaver has many ways to create a webpage, such as, html, css, php, java. Here I focus on html because it is more familiar for everyone.



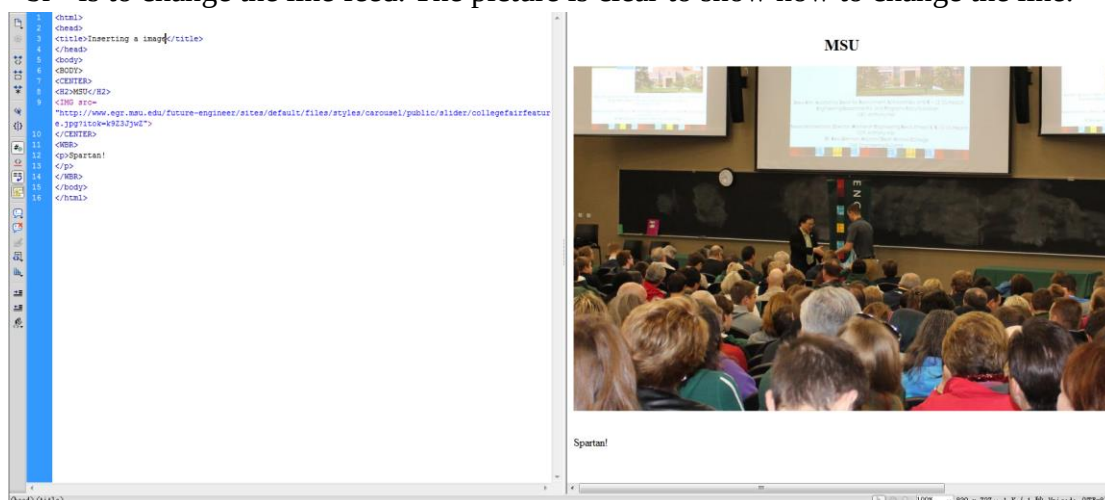
This is a very simple webpage that we can understand the html language easily. `<html>` is the outside of the html file. `<head>` is the top of the html file, and it isn't shown in the webpage. It is the instruction of the title. `<title>` is the main title in the whole webpage, and also, it is shown in the webpage. `<body>` is the paragraph in the webpage. `<font>` is the setting up for the font, such as, size, color, and content. For example, `<FONT SIZE= 7 COLOR= red>Hello, World!</FONT>`, we may use this way to set up the font that we want.



Here is another sample for editing the body color, font color, and hyperlink. In the `<body>` part, we may use “bgcolor” to set the color of background, “text” to set the color of text, “link” to set the color of the default link, “alink” set to the color of putting the link, “vlink” set to the color of after putting the link.

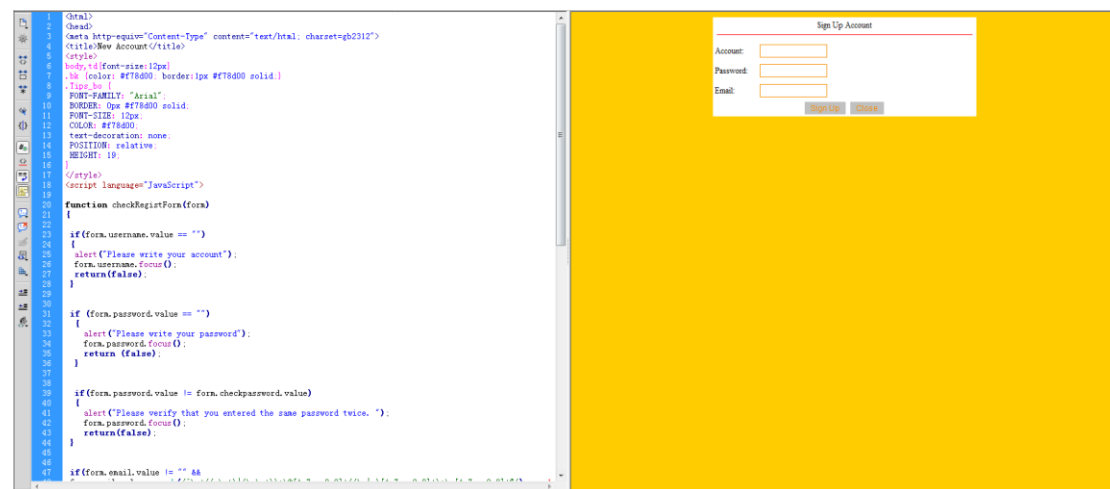


`<br>` is to change the line feed. The picture is clear to show how to change the line.



Here is simple example for inserting an image. Normally, we use “`<img src=>`” to insert and edit our image. Also, we add more detail information to edit the image, such as, ``, these codes will change the size of the image.

I have made some simple example how to write codes in the html. There are a lot of other codes that I didn't mention in the html world. In the end, I wrote an html that showed a sample interface for signing up account as a normal website.



These html codes will create an interface for signing up account. It will verify the password if it is correct and same as twice. It will test the email address as a normal style. For all of these, I used JavaScript language to make these codes. Then, it is used the knowledge that we just have learned before.

In the conclusion, Web Creation is very important skill for our project. It shows a clear, interesting, and useful interface to people online. The team has already made a webpage for this project that anyone can read online. Dreamweaver is a really helpful and professional software for creating a webpage. In this application note, we have learned some basic html codes how to create a simple website. I hope everyone likes this application note, and studies some knowledge about html. The team will add more details and information into our webpage after we finish all the stuff for this project.

Reference

Dreamweaver official page: <https://www.adobe.com/products/dreamweaver.html>

Image from [http://www.egr.msu.edu/future-engineer/sites/default/files/styles/carousel/public/slider/collegefairfeature.jpg?itok=k9](http://www.egr.msu.edu/future-engineer/sites/default/files/styles/carousel/public/slider/collegefairfeature.jpg?itok=k9Z3JjwZ)

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