

HTML

Conhecendo o HTML5



Professor Flávio Ricardo

HTML



Visão Geral

HTML5 - A evolução do HTML

HTML5 é a quinta versão da linguagem de marcação Hypertext Markup Language (HTML), a base da World Wide Web.

Ele representa uma evolução significativa em relação às versões anteriores do HTML, trazendo uma série de recursos novos e melhorias para o desenvolvimento web.



Principais características do HTML5



Estrutura semântica

HTML5 introduziu uma série de elementos semânticos, como **<header>**, **<nav>**, **<article>**, **<section>**, entre outros. Esses elementos tornam mais fácil para os desenvolvedores web criar páginas bem estruturadas e acessíveis, além de melhorar o SEO.

Multimídia Aprimorada

Com HTML5, você pode incorporar áudio e vídeo diretamente em suas páginas usando as tags **<audio>** e **<video>**. Isso elimina a necessidade de plugins como o Flash, tornando o conteúdo multimídia mais acessível e compatível com uma variedade de dispositivos.



Formulários Aprimorados

O HTML5 introduziu novos tipos de campos de formulário, como **email**, **tel**, **date**, e outros. Além disso, o atributo **required** permite a validação de formulários no lado do cliente, melhorando a experiência do usuário.

APIs JavaScript

HTML5 inclui várias APIs JavaScript que possibilitam uma interatividade avançada e funcionalidades modernas.

Isso inclui a API de geolocalização, armazenamento local (localStorage e sessionStorage), e WebSockets para comunicação em tempo real.

Gráficos e Animações

O elemento `<canvas>` permite criar gráficos interativos e jogos diretamente no navegador, enquanto as capacidades de CSS3 permitem criar animações e transições sem a necessidade de recursos externos.

Acesso Offline

Com o uso de Service Workers, o HTML5 oferece a capacidade de criar aplicativos web que funcionam offline, armazenando recursos em cache para uma experiência contínua, mesmo quando não há conexão à internet.

Compatibilidade e Suporte

HTML5 é amplamente suportado por navegadores modernos, tornando-o uma escolha sólida para o desenvolvimento web. No entanto, é importante considerar estratégias de fallback para garantir que sua página funcione em navegadores mais antigos.



Considerações

No geral, o HTML5 trouxe melhorias substanciais para o desenvolvimento web, tornando-o mais acessível, interativo e eficiente. É uma ferramenta essencial para designers e desenvolvedores front-end, permitindo a criação de experiências web ricas e modernas.



A História do HTML



1993 - HTML 1.0

- O ponto de partida! Foi o início da web como a conhecemos.
- Era bem básico, apenas texto e links.
- Sem suporte para imagens ou formatação avançada.

1995 - HTML 2.0

- Melhorias modestas, como formulários básicos e suporte para tabelas.
- Ainda muito simples em comparação com o que temos hoje.

1995 - HTML 2.0



Adobe
1996

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1997 - HTML 3.2

- Um salto significativo em relação à formatação.
- Introduziu tabelas mais complexas e frames.
- Abriu caminho para um design de página um pouco mais avançado.

1997 - HTML 3.2

NOKIA
CONNECTING PEOPLE



The screenshot shows the Nokia website from 1997. The main navigation bar includes 'Products' and 'Nokia Group'. A central banner features a collage of images: a person in a red cap, a person in a white lab coat, and a person in a blue suit. Text on the banner reads 'Nokia is Europe's largest mobile phone manufacturer' and 'Career Opportunities with Nokia'. To the right, there are several promotional boxes: 'Americas' with a link to 'Nokia Sugar Bowl, products...', 'The New Nokia 6100 GSM Phone Launch!' with an image of the phone, 'Latest Press Release' dated December 10 mentioning 'Linus Torvalds' and the '1997 Nokia Foundation Award', and 'New @ Nokia' mentioning the 'New Nokia 6100 Series GSM Phone Launch'. At the bottom, there is a search bar with the text 'Search www.nokia.com', a 'Find' button, a dropdown menu for 'Local Nokia Web sites', and a 'Go' button.

Products **Nokia Group**

Nokia is Europe's largest mobile phone manufacturer

Career Opportunities with Nokia

Americas
Nokia Sugar Bowl, products...

The New Nokia 6100 GSM Phone Launch!

Latest Press Release
December 10 - [Linus Torvalds](#)
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New @ Nokia
[New Nokia 6100 Series GSM Phone Launch](#)

Search [www.nokia.com](#)

Find Local Nokia Web sites **Go**

[[main page](#) | [products](#) | [group](#) | [faq](#) | [feedback](#) | [search](#)]

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Nokia
1997

1999 - HTML 4.01

- Uma versão de transição com uma ênfase maior na semântica.
- Introduziu CSS (Cascading Style Sheets) para controle de layout e formatação.
- Também adicionou suporte para scripts (JavaScript) e framesets.

1999 - HTML 4.01

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The evil that men do lives on the front pages of greedy newspapers, but the good is oft interred apathetically inside.
-BROOKS ATKINSON

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Forbes
1999




2000 - XHTML

- Mais uma mudança no jogo, enfatizando a conformidade com XML.
- A sintaxe foi mais rigorosa, exigindo que os documentos fossem bem formados.
- Não trouxe muitas mudanças visuais ou funcionais significativas.

2000 - XHTML

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2002 - XHTML



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SEARCH

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Toyota
2002

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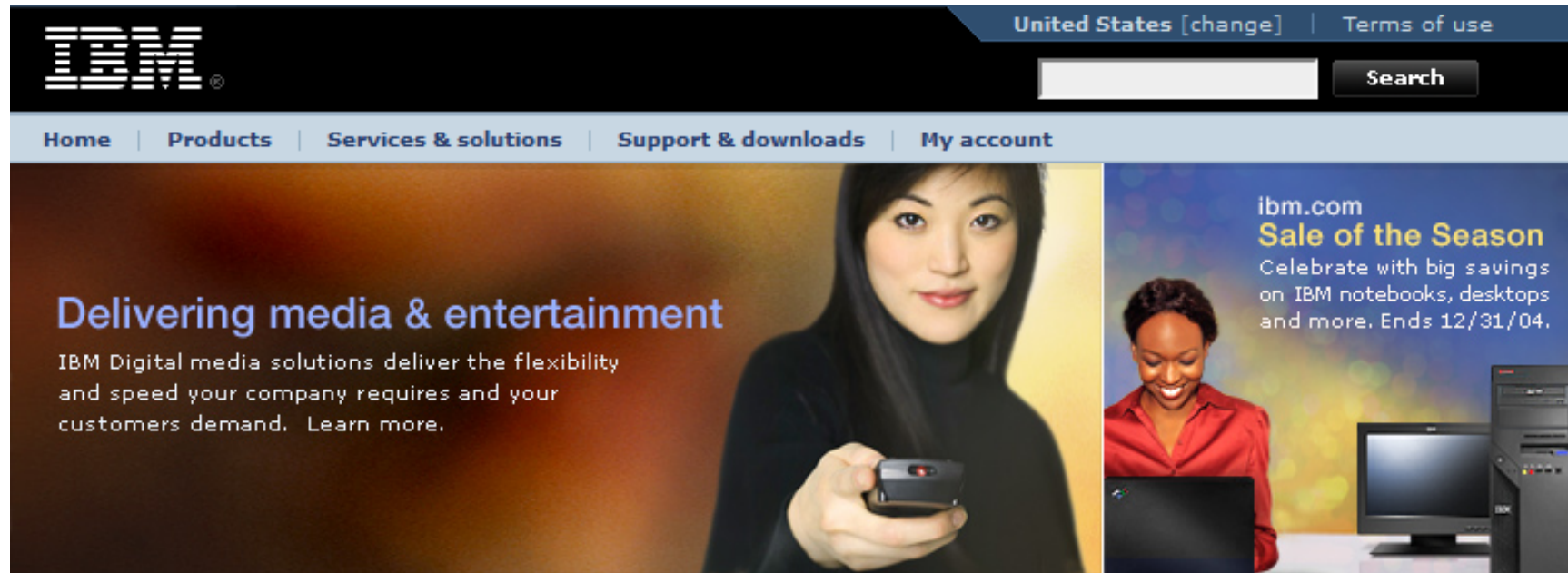
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2004 - XHTML



IBM
2004

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2006 - XHTML



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2006

2008 - XHTML

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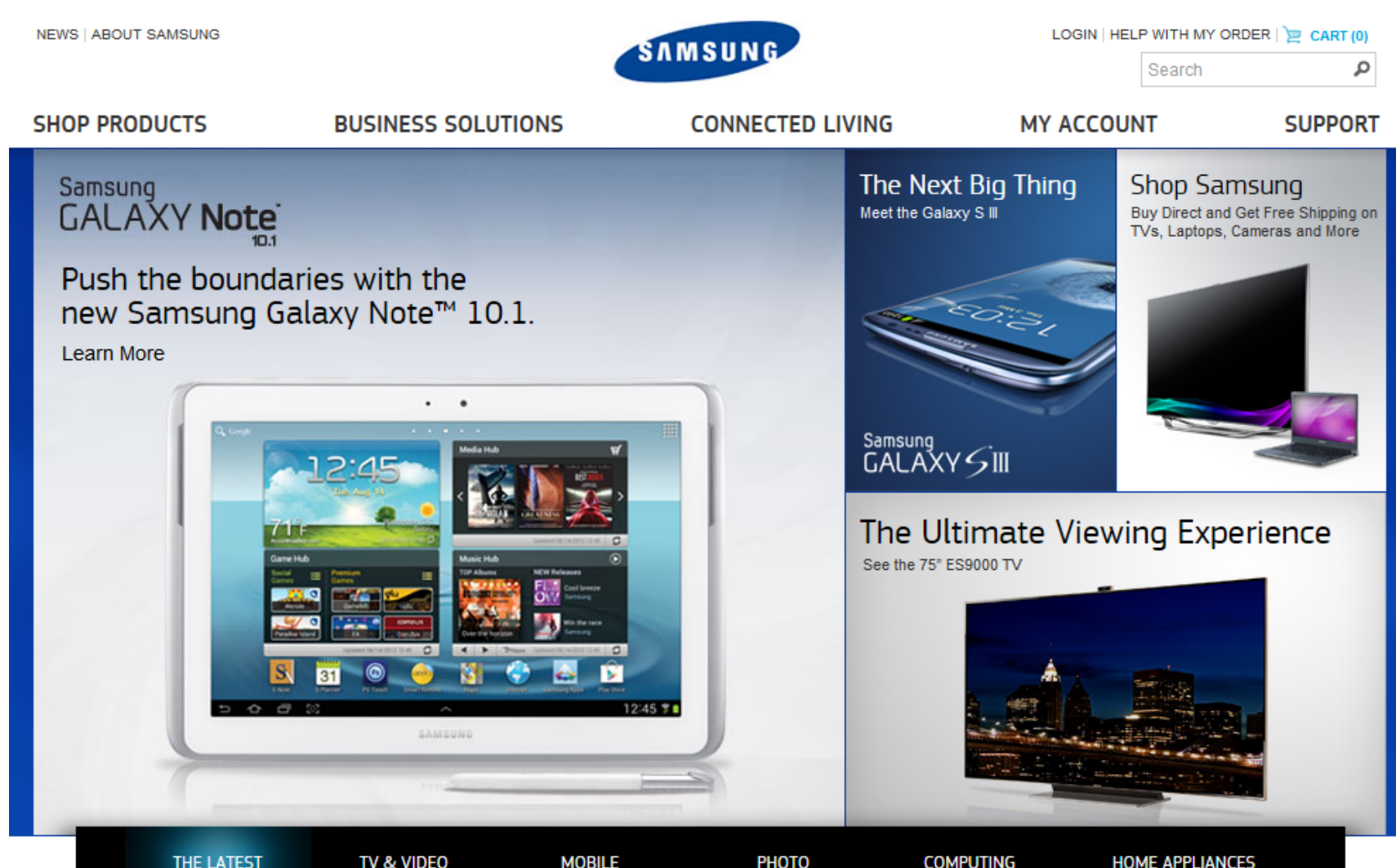
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2010 - XHTML

Microsoft
2010



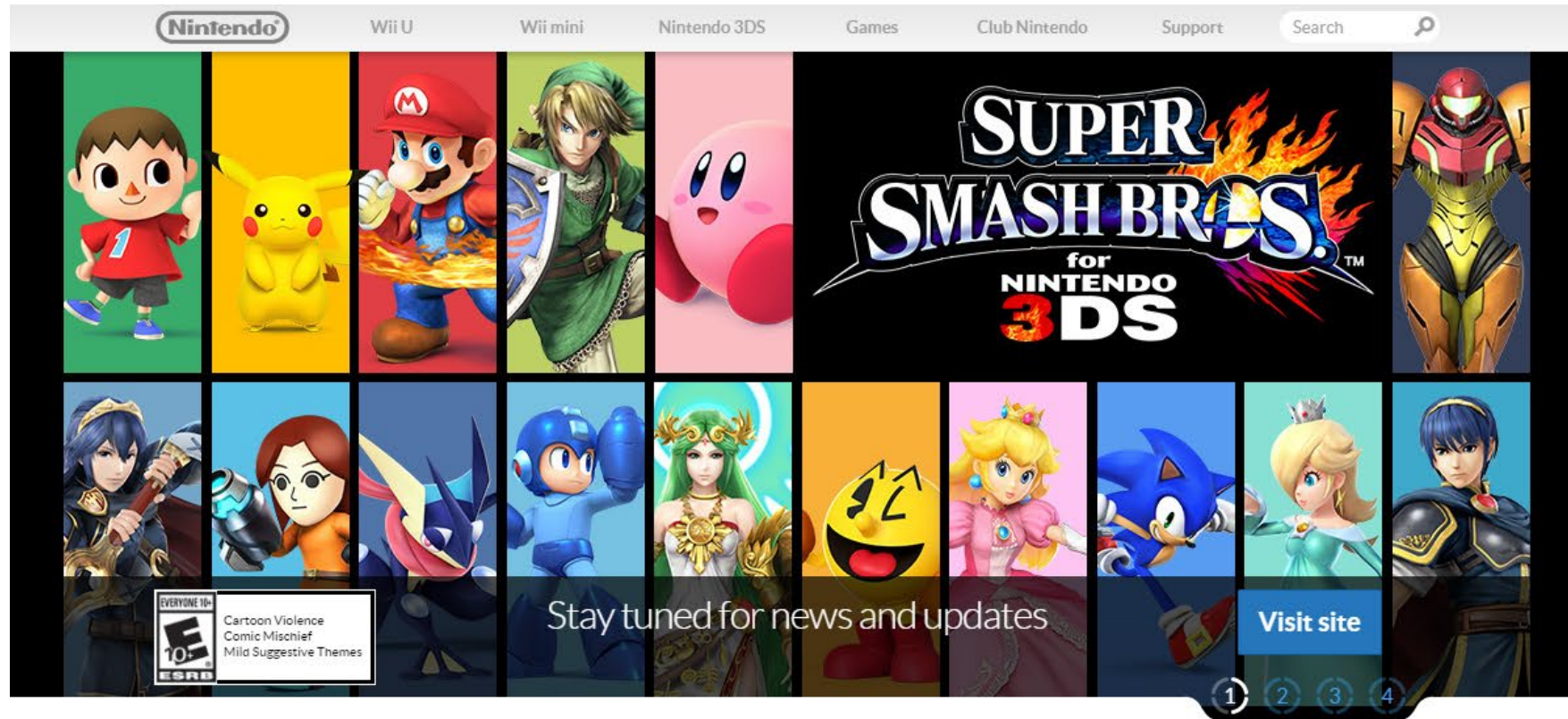
2012 - XHTML



Samsung
2012



2014 - XHTML



Nintendo
2014

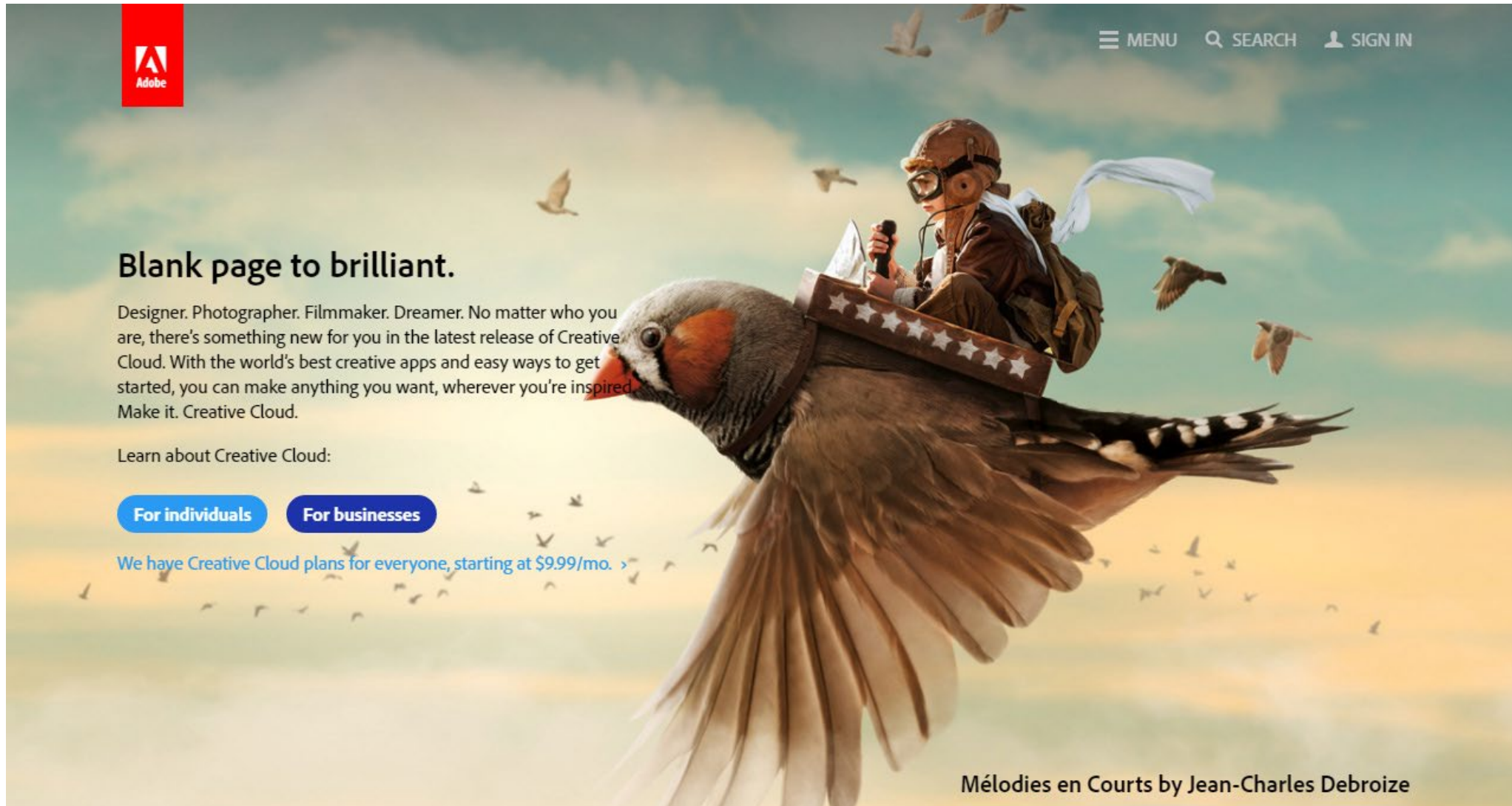



2014 - HTML5

- Uma reformulação completa, trazendo diversos novos recursos.
- Introduziu elementos semânticos, suporte nativo a áudio e vídeo, formulários aprimorados, e uma série de APIs JavaScript.
- Uma ênfase na acessibilidade, SEO e desenvolvimento web moderno.
- Permitiu a criação de aplicativos web poderosos e responsivos.



2016 - HTML5

The image is a screenshot of the Adobe Creative Cloud landing page from 2016. The background is a surreal illustration of a man in a brown pilot's uniform with goggles and a scarf, riding a large, grey and brown bird. The bird is in flight against a soft, cloudy sky. In the top left corner, there is a red Adobe logo. In the top right corner, there are navigation links: 'MENU', 'SEARCH', and 'SIGN IN'. The main headline reads 'Blank page to brilliant.' followed by a paragraph about the Creative Cloud ecosystem. Below this, there are two buttons: 'For individuals' and 'For businesses'. At the bottom, there is a link to learn more about Creative Cloud plans. The artist's name, 'Mélodies en Courts by Jean-Charles Debroize', is at the bottom right.

 Adobe

MENU SEARCH SIGN IN

Blank page to brilliant.

Designer. Photographer. Filmmaker. Dreamer. No matter who you are, there's something new for you in the latest release of Creative Cloud. With the world's best creative apps and easy ways to get started, you can make anything you want, wherever you're inspired. Make it. Creative Cloud.

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Mélodies en Courts by Jean-Charles Debroize

Adobe
2016

