

Ing. Computación

Instituto Tecnológico de Costa Rica



Introducción al desarrollo de aplicaciones web

Apunte AJAX

Profesora:

Ericka Solano Fernández

Realizado por:

Gabriel Quirós Obando

Experiencia con la instalación

La instalación del entorno es simple y rápida, en menos de 10 minutos ya se cuenta con el ambiente para hacer uso de AJAX.

Aspectos más relevantes

Conexión asíncrona con el servidor, donde en segundo plano se hacen los request al servidor.

Fue creado en el 2005, y su principal característica es que no es necesario renderizar toda la página de nuevo para actualizar ciertos valores, agilizando la vista de datos en las páginas web.

AJAX se encuentra inmerso en otras tecnologías, haciendo su uso transparente para los desarrolladores.

Breve descripción del ejercicio a realizar en el taller

Crear página con la imagen de un personaje famoso, y al presionar un botón, mostrar información de dicho personaje.

Evidencias visuales

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width,
6     initial-scale=1.0">
7   <meta http-equiv="X-UA-Compatible" content="ie=edge">
8   <link rel="stylesheet" href="index.css">
9   <script type="text/javascript" src="https://
10     cdnjs.cloudflare.com/ajax/libs/jquery/3.1.1/
11     jquery.min.js"></script>
12   <title>AJAX Example</title>
13 </head>
14 <body>
15   <h3>An AJAX Example <span>with jQuery's <code>load</
16     code></span>method</h3>
17   <div>
18     
19     <button id="request">Learn more about Monkey D.
20       Luffy</button>
21     <div id="bio"></div>
22   </div>
23   <script type="text/javascript" src="index.js"></script>
24 </body>
25 </html>
```

```
index.js > completeFunction
1  var $btn = $('#request');
2  var $bio = $('#bio');
3
4  $btn.on('click', function () {
5      $(this).hide();
6      $bio.load('bio.txt', completeFunction);
7  });
8
9  function completeFunction(responseText, textStatus, request)
10
11      $bio.css('border', '1px solid #e8e8e8');
12      if (textStatus == 'error') {
13          $bio.text('An error occurred during your request: '
14              + request.status + ' ' + request.statusText);
15      }
```

```
bio.txt
1  Monkey D. "Straw Hat"[n 1] Luffy[n 2] (Japanese: モンキー・D
  ・ルフィ, Hepburn: Monkī Dī Rufi) is a fictional character
  and the main protagonist of the One Piece manga series,
  created by Eiichiro Oda. Luffy made his debut in One Piece
  Chapter #1 as a young boy who acquires the properties of
  rubber after inadvertently eating the supernatural Gum-Gum
  Fruit.
2
3  He sails from the East Blue Sea to the Grand Line in search
  of the legendary treasure, One Piece, to succeed Gol D.
  Roger as King of the Pirates. Luffy, captain of the Straw
  Hat Pirates, recruits crew members, fights antagonists, and
  aids and befriends the inhabitants of several islands on
  his journey. Usually cheerful, he becomes serious when he
  fights. Luffy uses his elasticity to concentrate his power,
  executing a range of attacks. In his signature attack,
  Gum-Gum Pistol, he slingshots punches at opponents from a
  distance.
4
5  Luffy appears in most of the episodes, films, television
  specials and OVAs of the manga's anime adaptations and
  several of the franchise's video games. Due to the series'
  international popularity, Luffy has become one of the
  world's most recognizable anime characters. In addition to
  the One Piece franchise, the character has appeared in a
  number of manga and anime series and collaborative video
  games. His critical reception has been largely positive.
```

An AJAX Example with jQuery's loadmethod



Monkey D. "Straw Hat"[n 1] Luffy[n 2] (Japanese: モンキー・D・ルフィ, Hepburn: Monkī Dī Rufi) is a fictional character and the main protagonist of the One Piece manga series, created by Eiichiro Oda. Luffy made his debut in One Piece Chapter #1 as a young boy who acquires the properties of rubber after inadvertently eating the supernatural Gum-Gum Fruit. He sails from the East Blue Sea to the Grand Line in search of the legendary treasure, One Piece, to succeed Gol D. Roger as King of the Pirates. Luffy, captain of the Straw Hat Pirates, recruits crew members, fights antagonists, and aids and befriends the inhabitants of several islands on his journey. Usually cheerful, he becomes serious when he fights. Luffy uses his elasticity to concentrate his power, executing a range of attacks. In his signature attack, Gum-Gum Pistol, he slingshots punches at opponents from a distance. Luffy appears in most of the episodes, films, television specials and OVAs of the manga's anime adaptations and several of the franchise's video games. Due to the series' international popularity, Luffy has become one of the world's most recognizable anime characters. In addition to the One Piece franchise, the character has appeared in a number of manga and anime series and collaborative video games. His critical reception has been largely positive.