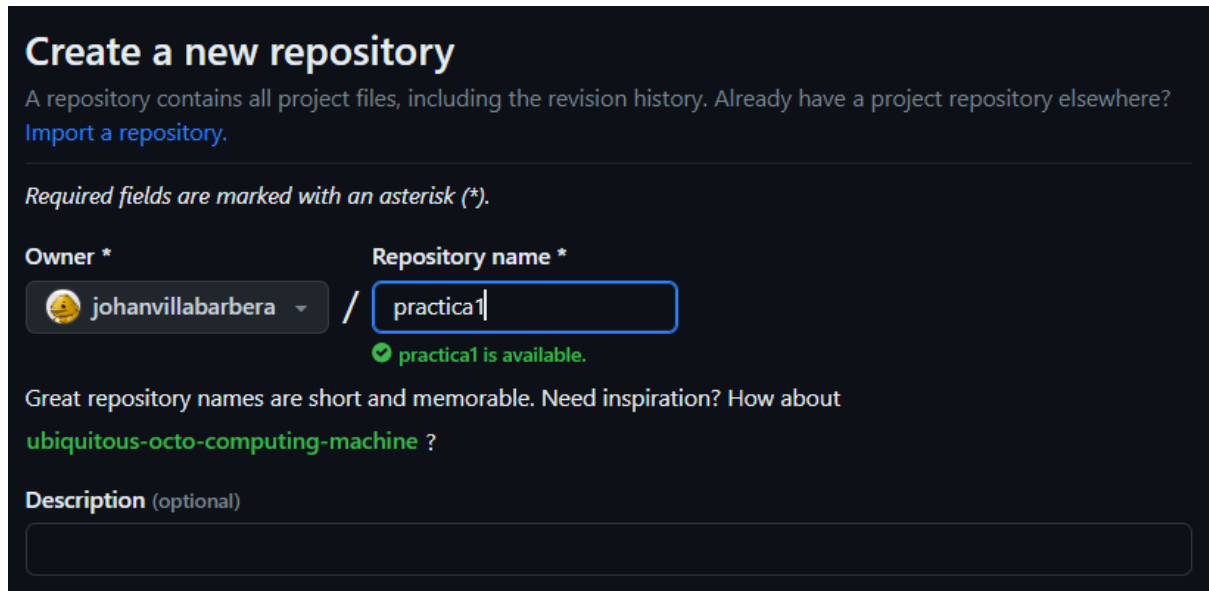


Práctica 1. Sistemas de control de versiones

Johan Villa Barberá - 2do DAW

Usuario 1

Creamos un nuevo repositorio en GitHub.



Clonamos el repositorio indicado y lo inicializamos en local

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan
$ git clone https://github.com/h5bp/html5-boilerplate-template.git
Cloning into 'html5-boilerplate-template'...
remote: Enumerating objects: 181, done.
remote: Counting objects: 100% (86/86), done.
remote: Compressing objects: 100% (38/38), done.
remote: Total 181 (delta 53), reused 65 (delta 46), pack-reused 95
Receiving objects: 100% (181/181), 136.48 KiB | 436.00 KiB/s, done.
Resolving deltas: 100% (82/82), done.

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan
$ rm -rf .git

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan
$ cd html5-boilerplate-template/

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (main)
$ rm -rf .git

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template
$ git init
Initialized empty Git repository in C:/Users/Usuario/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template/.git/

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ |
```

Hacemos un commit para que se cree la rama master y creamos las ramas necesarias

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git add .

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git commit -m 'Primer commit Usuario 1'
[master (root-commit) 3751cd1] Primer commit Usuario 1
19 files changed, 664 insertions(+)
create mode 100644 .editorconfig
create mode 100644 .gitattributes
create mode 100644 .gitignore
create mode 100644 404.html
create mode 100644 LICENSE.txt
create mode 100644 css/style.css
create mode 100644 favicon.ico
create mode 100644 icon.png
create mode 100644 icon.svg
create mode 100644 img/.gitkeep
create mode 100644 index.html
create mode 100644 js/app.js
create mode 100644 js/vendor/.gitkeep
create mode 100644 package.json
create mode 100644 robots.txt
create mode 100644 site.webmanifest
create mode 100644 webpack.common.js
create mode 100644 webpack.config.dev.js
create mode 100644 webpack.config.prod.js

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch
* master

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch develop

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch
develop
* master

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ |
```

Activar Windows

Ve a Configuración para activar Windows.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch hotfix

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch feature

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch gh-pages

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch
develop
feature
gh-pages
hotfix
* master

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ |
```

Con los comandos npm install y npm run ejecutamos la aplicación

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (master)
$ npm install

added 362 packages, and audited 363 packages in 43s

58 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (master)
$ npm run start

> @0.0.1 start
> webpack serve --open --config webpack.config.dev.js

<i> [webpack-dev-server] Project is running at:
<i> [webpack-dev-server] Loopback: http://localhost:8080/
<i> [webpack-dev-server] On Your Network (IPv4): http://192.168.127.156:8080/
<i> [webpack-dev-server] Content not from webpack is served from './' directory
<i> [webpack-dev-middleware] wait until bundle finished: /
asset ./js/app.js 620 KiB [emitted] (name: app)
runtime modules 27.3 KiB 12 modules
modules by path ./node_modules/ 178 KiB
  modules by path ./node_modules/webpack-dev-server/client/ 71.8 KiB 16 modules
  modules by path ./node_modules/webpack/hot/*.js 5.3 KiB
    ./node_modules/webpack/hot/dev-server.js 1.94 KiB [built] [code generated]
    ./node_modules/webpack/hot/log.js 1.86 KiB [built] [code generated]
  + 2 modules
modules by path ./node_modules/html-entities/lib/*.js 81.8 KiB
  ./node_modules/html-entities/lib/index.js 7.91 KiB [built] [code generated]
  ./node_modules/html-entities/lib/named-references.js 73 KiB [built] [code generated]
  ./node_modules/html-entities/lib/numeric-unicode-map.js 339 bytes [built] [code generated]
  ./node_modules/html-entities/lib/surrogate-pairs.js 537 bytes [built] [code generated]
  ./node_modules/ansi-html-community/index.js 4.16 KiB [built] [code generated]
  ./node_modules/events/events.js 14.5 KiB [built] [code generated]
./js/app.js 1 bytes [built] [code generated]
webpack 5.89.0 compiled successfully in 4382 ms
```

Editamos el contenido HTML y CSS.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ nano index.html

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ cat index.html
<!doctype html>
<html class="no-js" lang="">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title></title>
  <link rel="stylesheet" href="css/style.css">
  <meta name="description" content="">

  <meta property="og:title" content="">
  <meta property="og:type" content="">
  <meta property="og:url" content="">
  <meta property="og:image" content="">

  <link rel="icon" href="/favicon.ico" sizes="any">
  <link rel="icon" href="/icon.svg" type="image/svg+xml">
  <link rel="apple-touch-icon" href="icon.png">
  <link rel="stylesheet" href="styles.css">

  <link rel="manifest" href="site.webmanifest">
  <meta name="theme-color" content="#fafafa">
</head>

<body>

  <header>
    <h1>Javascript para HTML</h1>
  </header>
  <nav class="menu">
    <a href="#">Home</a>
  </nav>
  <main>
    <p>Este es el contenido principal de la página.</p>
    <p>En este curso vamos a enseñar Javascript aplicado a interacciones con elementos HTML</p>
    <p>En esta página web mostraremos algunos ejemplos en los que se utilice este lenguaje de programac
ión</p>
  </main>
  <footer>
    <p>Footer del sitio</p>
  </footer>

</body>

</html>

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ |
```

```

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ nano styles.css

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ cat styles.css
html, body {
  height: 100%;
  padding-left: 15px;
  padding-right: 15px;
  font-family: Georgia, 'Times New Roman', Times, serif;
}

header, nav, main, footer {
  display: flex;
  width: 100%;
  justify-content: center;
  border: 1px solid black;
  border-radius: 10px;
}

header {
  background-image: url('./img/1ca3790edd6207b40f8cd4ecaa99bb12.jpg');
}

h1 {
  padding: 15px;
  color: rgb(4, 18, 39);
  background-color: white;
  border: 2px solid rgb(66, 111, 184);
  border-radius: 15px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.5);
}

.menu {
  margin-top: 1rem;
  margin-bottom: 1rem;
  background-color: rgb(200, 214, 237);
  padding-top: 1rem;
  padding-bottom: 1rem;
  border: 1px solid rgb(66, 111, 184);
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.5);
}

a {
  font-size: 17px;
  text-decoration: none;
  margin-left: 1rem;
  margin-right: 1rem;
  color: rgb(4, 18, 39);
  padding: 15px;
  border-radius: 10px;
  transition: 0.3s all;
}

```

Mostramos el contenido de la página.



Con los comandos `npm install`, `npm pkg` y `npx husky` instalamos husky y añadimos el hook `commit-msg` a la carpeta.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ npm install husky

added 1 package, and audited 968 packages in 3s

79 packages are looking for funding
  run `npm fund` for details

11 vulnerabilities (2 low, 9 high)

To address issues that do not require attention, run:
  npm audit fix

Some issues need review, and may require choosing
a different dependency.

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (
master)
$ npm pkg set scripts.prepare="husky install" /Desplegament/johan/html5-boilerplate-template (master)

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ npm run prepare

> @0.0.1 prepare
> husky install

husky - Git hooks installed

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (hotfix)
$ npx husky add .husky/commit-msg "npm run test"
husky - updated .husky/commit-msg

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (hotfix)
$
```

En el archivo commit-msg configuramos el script para que comprueba que estamos en la rama hotfix y que el mensaje del commit contiene "A corregir por:"

```
.husky > $ commit-msg
1  #!/bin/bash
2  . "$(dirname -- "$0")/_/husky.sh"
3
4  branch_name=$(git symbolic-ref --short HEAD)
5  commit_message=$(<"$1")
6
7  if [ "$branch_name" = "hotfix" ]; then
8      if [[ "${commit_message}" != *"A corregir por:"* ]]; then
9          echo "No existe una persona asignada"
10         exit 1
11     fi
12 fi
13
```

Realizamos las pruebas con el comando git commit con distintos mensajes.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (hotfix)
$ git add .

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (hotfix)
$ git commit -m 'Prueba Commit Usuario 1'
No existe una persona asignada

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (hotfix)
$ git commit -m 'A corregir por: Usuario 1'
[hotfix c12bf45] A corregir por: Usuario 1
1 file changed, 9 insertions(+), 3 deletions(-)

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (hotfix)
$ █
```

Con el comando npx husky add añadimos el archivo post-checkout

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (hotfix)
$ npx husky add .husky/post-checkout "npm run test"
husky - created .husky/post-checkout

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (hotfix)
$ █
```

En el archivo post-checkout configuramos el script para mostrar el mensaje de caracteres ASCII

```
.husky > $ post-checkout
1  #!/usr/bin/env sh
2  . "$(dirname -- "$0")/_/husky.sh"
3
4  echo "
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
```



Con el comando git checkout realizamos la prueba

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Despliegament/johan/html5-boilerplate-template (master)
$ git checkout hotfix
Switched to branch 'hotfix'


```



Usuario 2

Para crear el feature del contenido HTML, creamos la rama necesaria con el comando git branch, creamos el archivo HTML necesario y mostramos el resultado

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git branch feature-contenidoHTML

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git checkout feature-contenidoHTML
Switched to branch 'feature-contenidoHTML'
M    index.html
M    styles.css
```

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-contenidoHTML)
$ touch contenidoHTML.html

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-contenidoHTML)
$ nano contenidoHTML.html

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-contenidoHTML)
$ |
```



Seguimos los mismos pasos para crear el feature de atributosHTML.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-contenidoHTML)
$ git branch feature-atributosHTML

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-contenidoHTML)
$ git checkout feature-atributosHTML
Switched to branch 'feature-atributosHTML'
M    index.html
M    styles.css
```

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-atributosHTML)
$ touch atributosHTML.html

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-atributosHTML)
$ nano atributosHTML.html

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-atributosHTML)
$ |
```



Usuario 3

Para crear el feature de los estilos CSS, creamos la rama necesaria con el comando git branch, creamos el archivo HTML necesario y mostramos el resultado

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-atributosHTML)
$ git branch feature-estilosCSS

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-atributosHTML)
$ git checkout feature-estilosCSS
Switched to branch 'feature-estilosCSS'
M    index.html
M    styles.css
```

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-estilosCSS)
$ touch estilosCSS.html

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-estilosCSS)
$ nano estilosCSS.html

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature-estilosCSS)
$ |
```



Para crear una nueva release con todas las features, nos dirigimos a la rama principal.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ git checkout feature
Switched to branch 'feature'

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ |
```

Con el comando git merge vamos a copiar los contenidos de las features en la rama principal.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ git merge feature-contenidoHTML
Updating 3751cd1..3d85a66
Fast-forward
 .husky/commit-msg          | 6 +
 .husky/post-checkout       | 42 +
 .husky/pre-commit         | 4 +
 img/1ca3790edd6207b40f8cd4ecaa99bb12.jpg | Bin 0 -> 9048 bytes
 img/lenguajes_1.png       | Bin 0 -> 43888 bytes
 index.html                | 3 +-
 package-lock.json         | 11591 ++++++

```

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ git merge feature-atributosHTML
Already up to date.

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ git merge feature-estilosCSS
Updating 3d85a66..47721e2
Fast-forward
 atributosHTML.html         | 44 ++++++
 contenidoHTML.html        | 108 ++++++
 estilosCSS.html           | 83 ++++++
 img/65V575.png           | Bin 0 -> 40475 bytes

```

Para crear la etiqueta vamos a utilizar el comando git tag

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ git tag v1.0

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ |
```

Por último copiaremos el contenido de la rama feature en la rama master

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (feature)
$ git checkout master
Switched to branch 'master'

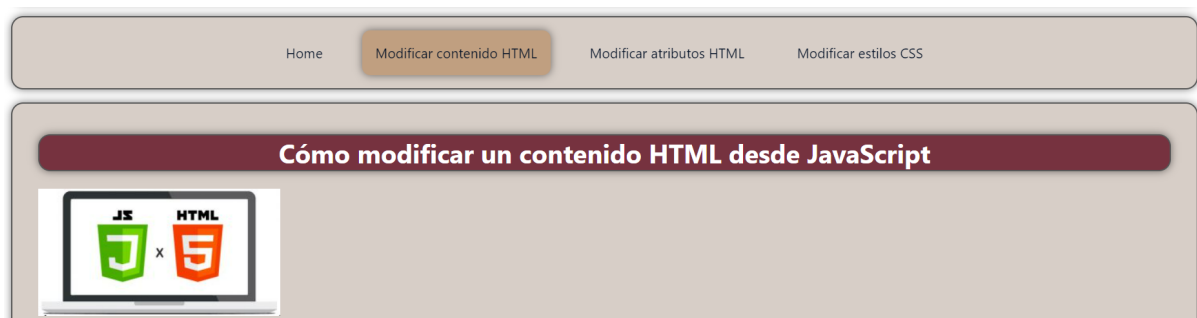
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git merge feature
Updating 3d85a66..47721e2
Fast-forward
 atributosHTML.html | 44 +++++
 contenidoHTML.html | 108 +++++
 estilosCSS.html    | 83 +++++
 img/CSVJS.png      | Bin 0 -> 40435 bytes
 img/Git-logo.svg.png | Bin 0 -> 12607 bytes
 img/atributos-html.jpg | Bin 0 -> 120968 bytes
 img/curso-javascript-para-html-300x157.jpg | Bin 0 -> 9613 bytes
```

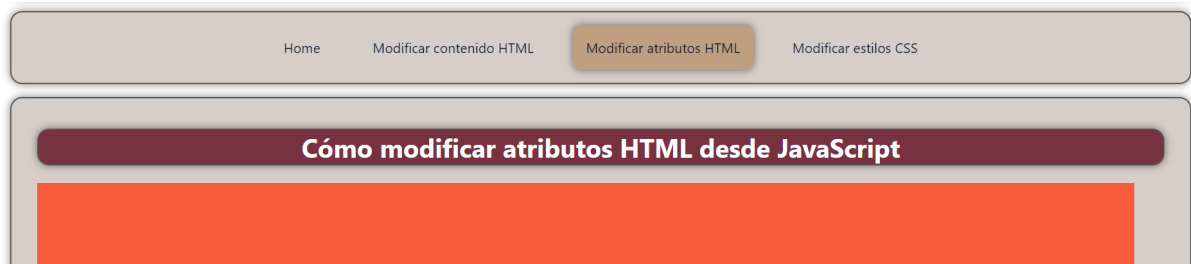
Usuario 1

Para crear un nuevo hotfix, creamos la rama indicada, nos dirigimos a ella y modificamos el contenido para mejorar la sección del usuario 2 (contenidos HTML y atributos HTML).

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (hotfix)
$ git branch hotfix-mejorasV_1_0

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (hotfix)
$ git checkout hotfix-mejorasV_1_0
Switched to branch 'hotfix-mejorasV_1_0'
```





Con el comando git merge copiamos los cambios a la rama principal (master)

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (hotfix-mejorasV_1_0)
$ git checkout master
Switched to branch 'master'
M    atributosHTML.html
M    contenidoHTML.html
M    styles.css

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git merge hotfix-mejorasV_1_0
Updating 47721e2..a4248d0
Fast-forward
 .husky/commit-msg | 12 ++++++++---
 1 file changed, 9 insertions(+), 3 deletions(-)

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ |
```

Para incluir la documentación en la rama gh-pages, nos dirigimos a la rama indicada y creamos el documento.

```
Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (master)
$ git checkout gh-pages
Switched to branch 'gh-pages'

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (gh-pages)
$ touch documentacion.pdf

Usuario@DESKTOP-L8979T6 MINGW64 ~/Desktop/2n DAW/Desplegament/johan/html5-boilerplate-template (gh-pages)
$ |
```

