

El món s'acaba

Desenvolupadors web
fent Apps





Tothom està tot el dia amb
els mòbils...



Els
desenvolupadors
d'APPs
**cobren per
descàrrega**



I nosaltres ...
fent WEBS

Ja fem les web
Responsive
però ...



**Perquè no
fer una
APP?**



Fer Apps és
totalment diferent
de fer webs





S'han d'**aprendre**
moltes coses ...

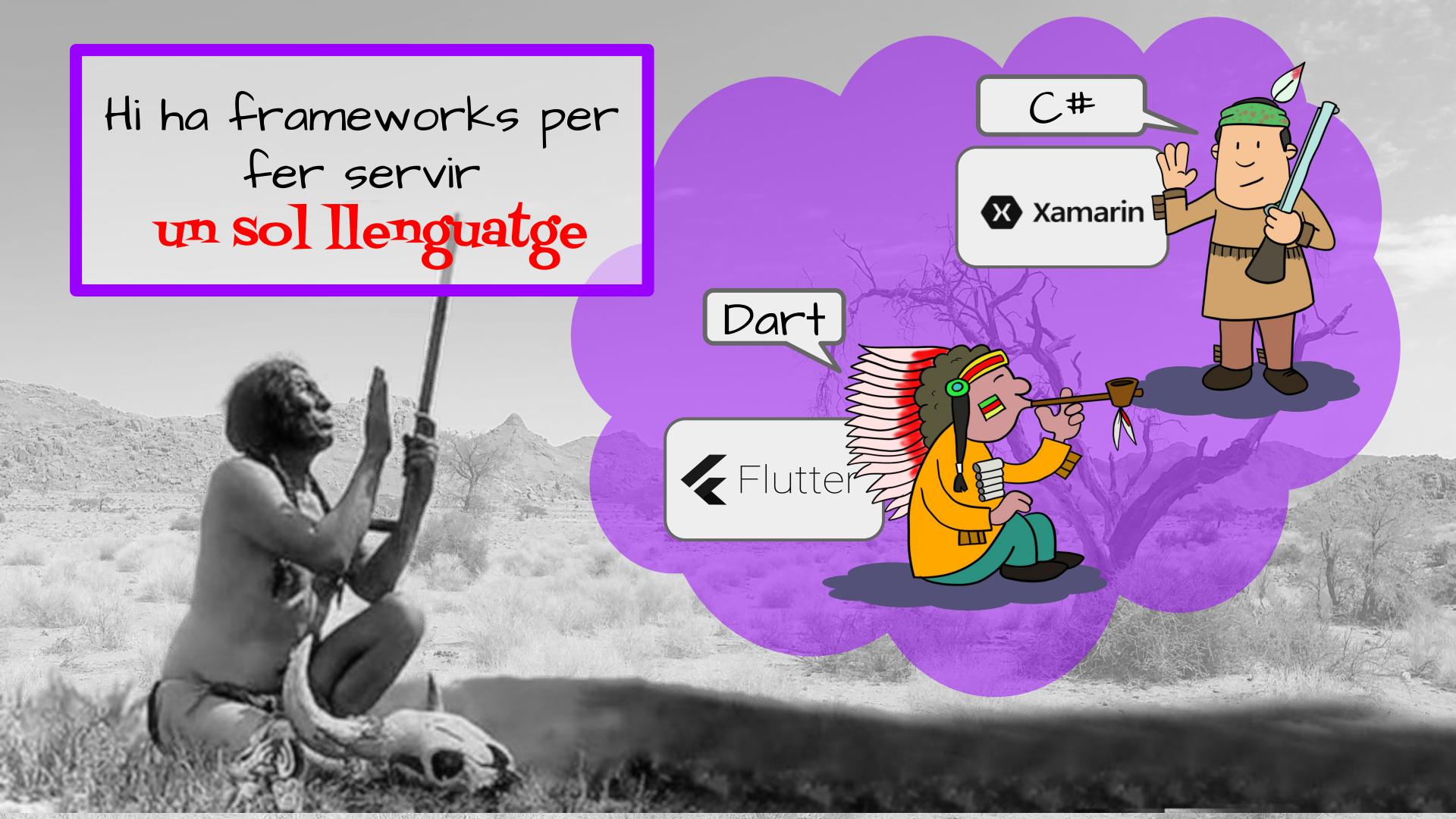
Bon dia

Good
Morning





S'han de fer i de
mantenir
dues versions
del programa?



Hi ha frameworks per
fer servir
un sol llenguatge



Dart

C#



Un
desenvolvedor
web ...

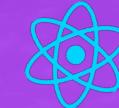
• Javascript

• JSON

CSS



React



HTML

XML



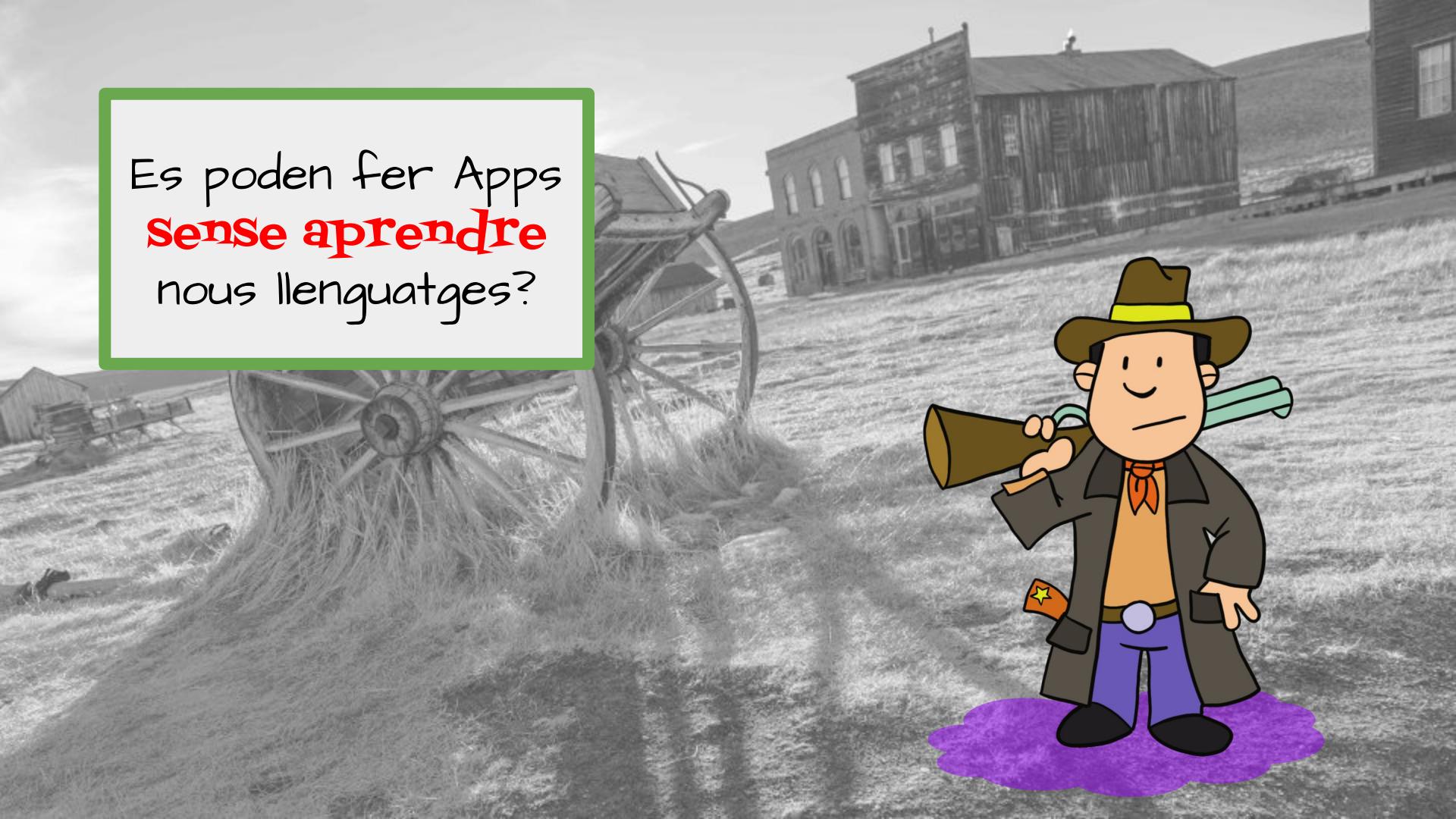
npm

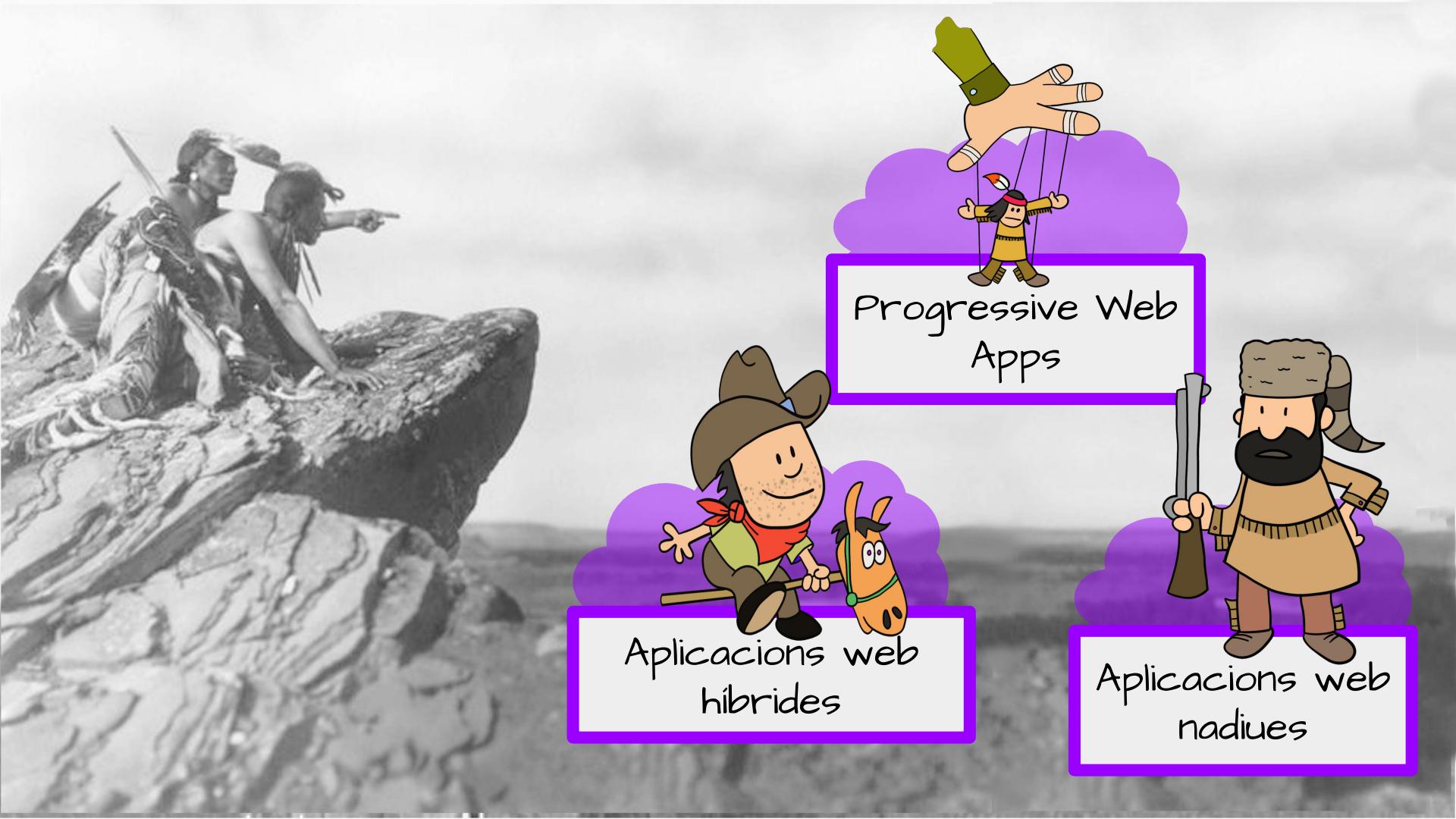


ANGULAR



Es poden fer Apps
Sense aprendre
nous llenguatges?





Aplicaciones web
híbridas



Progressive Web
Apps



Aplicaciones web
nativas



Aplicaciones web híbridas



Aplicaciones web
Empaquetadas



Adobe
PhoneGap



APACHE
CORDOVA™

ionic

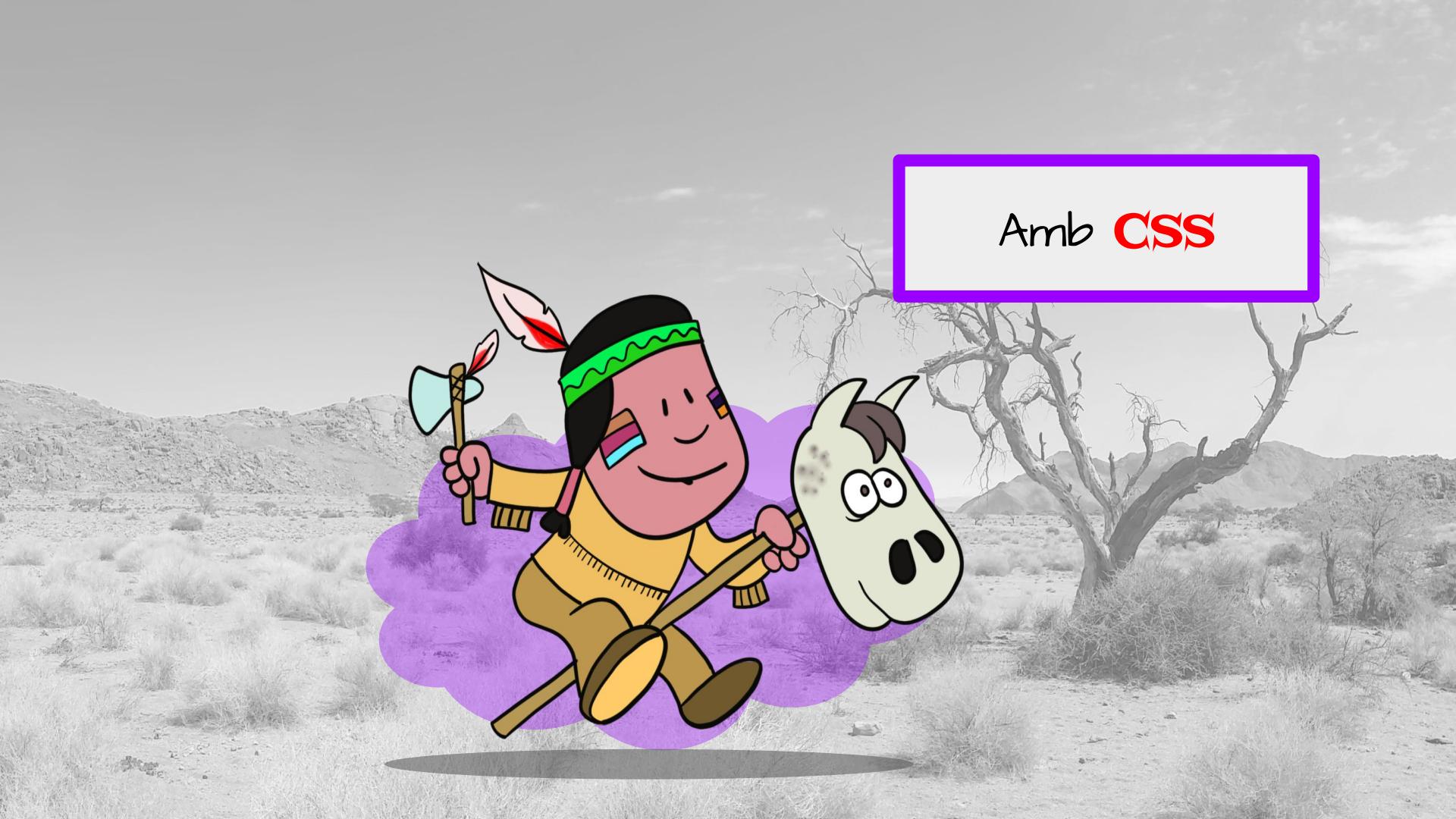


Les APPs tenen
un component
per
veure webs



Una **WEB**
empaquetada
en una APP

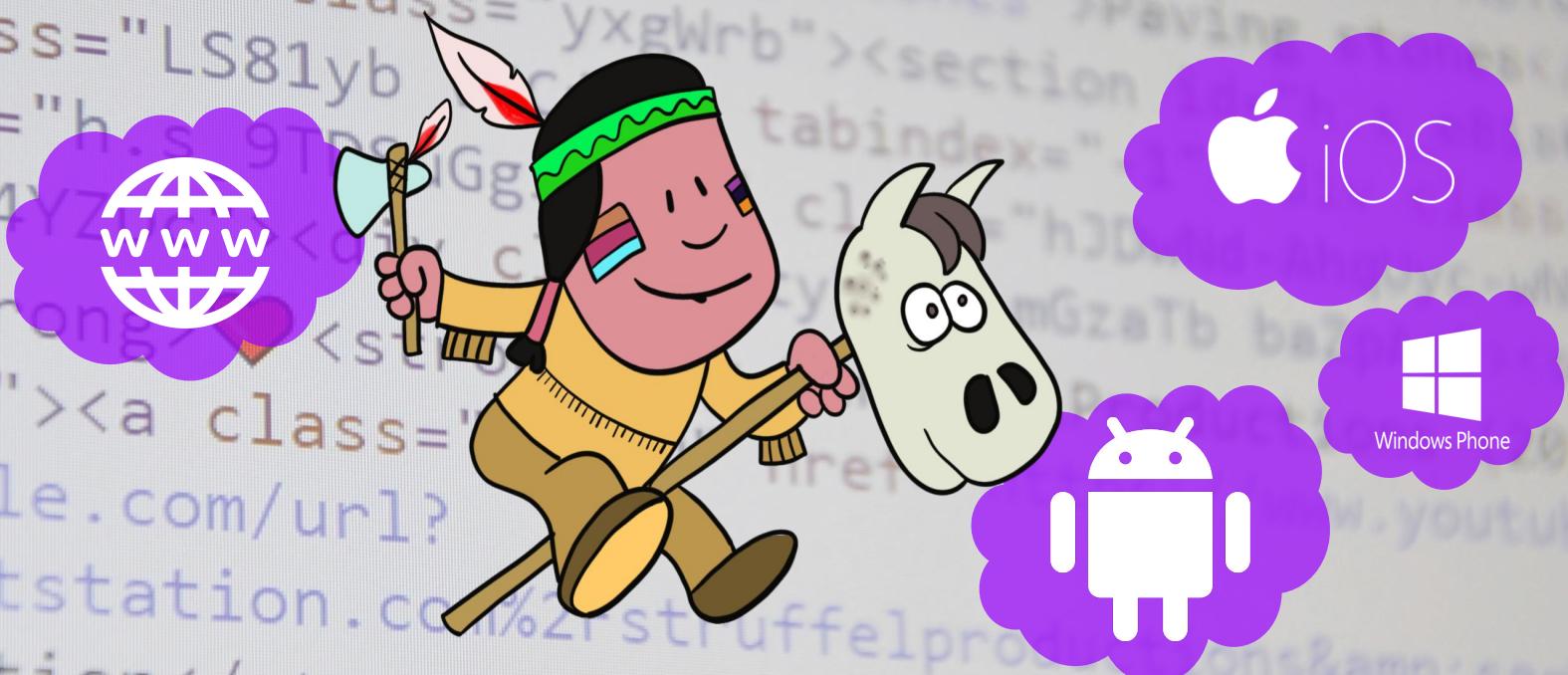




A cartoon illustration of a Native American character with a green feathered headdress and a yellow loincloth, holding a bow and arrow. He is surrounded by a purple cloud. To his right is a white horse with black spots. They are in a desert landscape with dry trees and mountains. A speech bubble with a purple border contains the text "Amb **CSS**".

Amb **CSS**

El **mateix codi** per tot



```
<ion-header>
  <ion-navbar color="custom">
    <ion-title>Benvingut</ion-title>
</ion-header>

<ion-content padding>
  <div class="centercontent">
    
    <label class="left">Usuari</label>
    <ion-input ></ion-input>
    ...
    <button ion-button full round>
      Entrar
    </button>
    ...
  </ion-content>
```

Benvingut



Usuari

Entra l'usuari

Contrasenya

Entra la contrasenya

ENTRAR

La vista és fa amb
**HTML i etiquetes
personalitzades**

Es pot
desenvolupar
des del
navegador

Ionic App - Google Chrome

Ionic App localhost:8100 Xavier

Aplicacions Bookmarks

Benvingut



Usuari
Entra l'usuari

Contrasenya
Entra la contrasenya

ENTRAR

The screenshot shows a web browser window titled "Ionic App - Google Chrome" displaying a login page for an Ionic application. The address bar shows "localhost:8100". The page has a blue header with the text "Benvingut". Below the header is a cartoon illustration of a cowboy wearing a brown hat and vest. The main form area contains fields for "Usuari" (User) and "Contrasenya" (Password), each with a placeholder text "Entra l'usuari" and "Entra la contrasenya" respectively. A large blue "ENTRAR" button is at the bottom. The browser interface includes standard navigation buttons, a search bar, and a bookmarks bar.

Poden accedir
als
**components i
sensors** del
dispositiu amb
plugins nadius



Velocitat **inferior**
a les APP nadiaus





<http://showcase.ionicframework.com/apps/top>

<https://phonegap.com/app/>

Progressive Web Apps

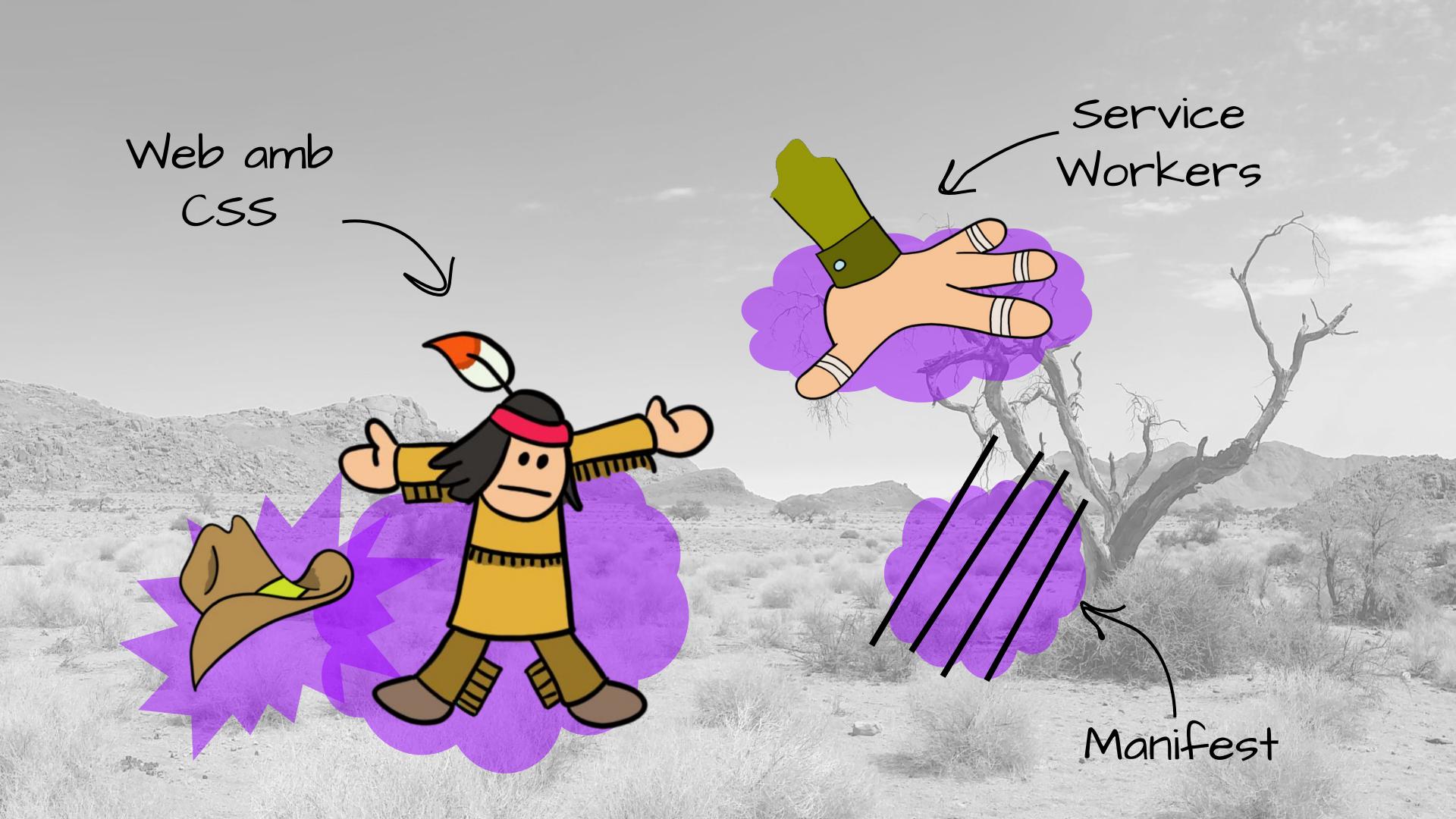


Aplicaciones
web

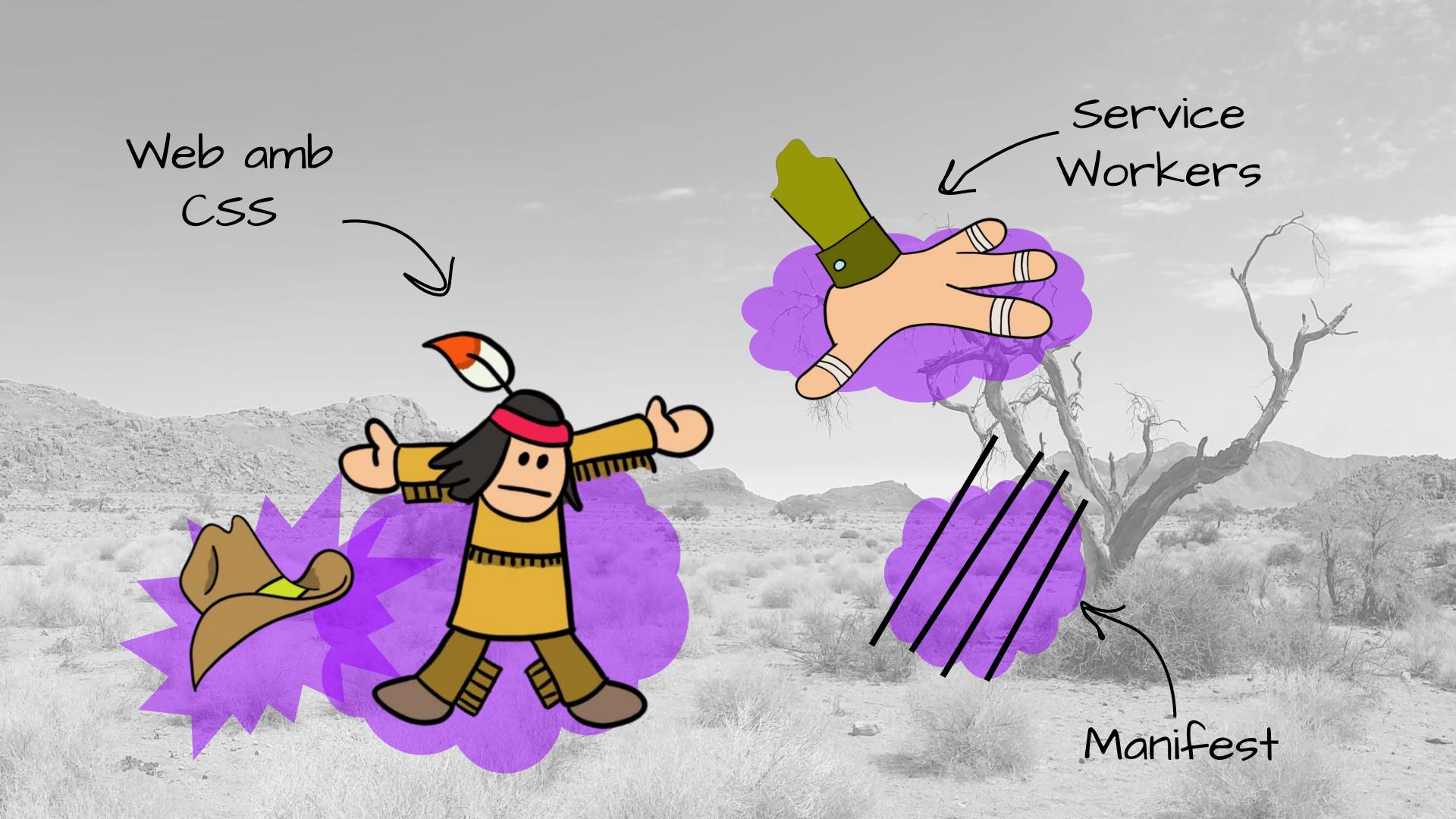


Funcionales
offline!

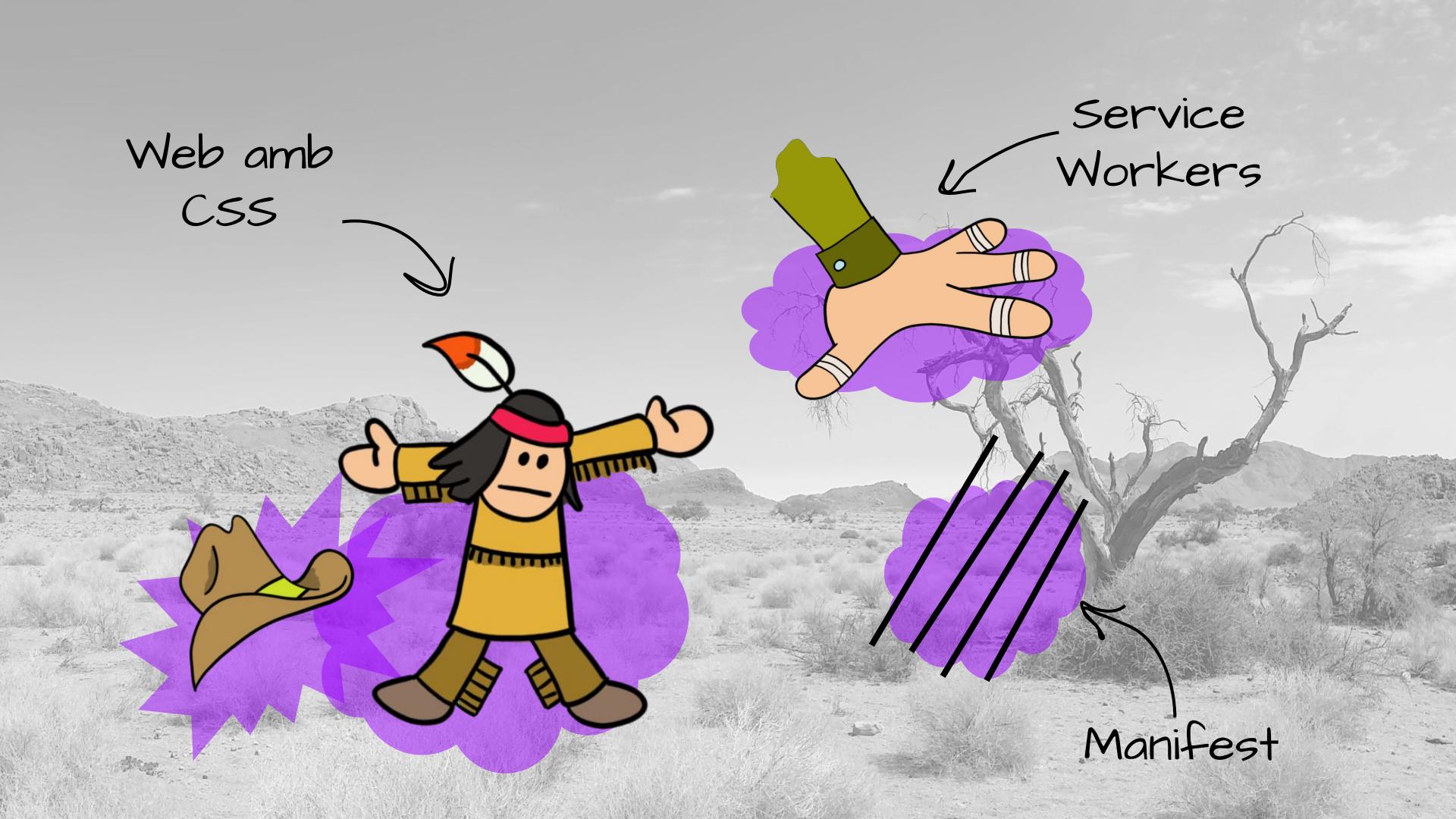




Web amb
CSS

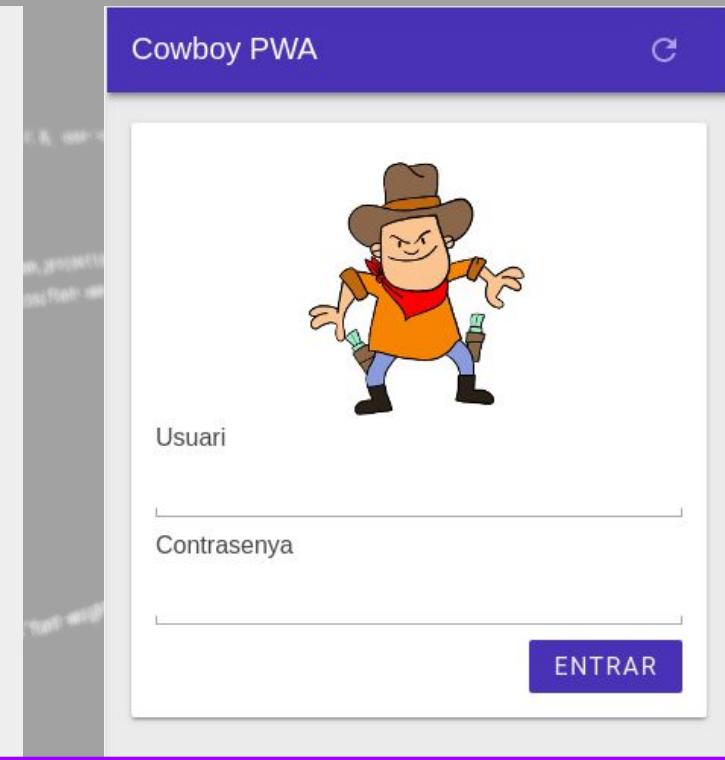


Service
Workers



Manifest

```
<html>
<head>...</head>
<body>
  <header class="header">
    <h1 class="_title">Cowboy PWA</h1>
    <button id="butRefresh"></button>
  </header>
  <main class="main">
    <div class="card cardTemplate">
      </img>
      <form class="_formLogin">
        <label>Usuari</label>
        <input ...>
        ...
      <script src="app.js" async></script>
    </html>
```



La vista és
HTML i CSS

Es pot
desenvolupar
des del
navegador

Cowboy PWA - Mozilla Firefox

C Cowboy PWA +
127.0.0.1:8080 ... ☰ ⌂ ⌃ ⌄ ⌅ ⌆ ⌇ ⌈ ⌉ ⌊ ⌋

Més visitades

Cowboy PWA

C

Usuari

Contrasenya

ENTRAR

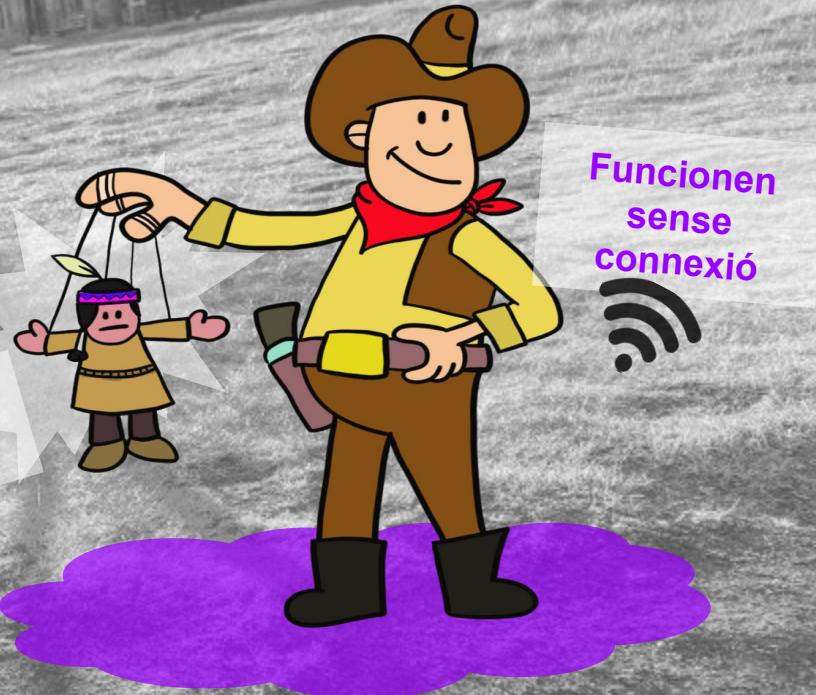


The image shows a screenshot of a Firefox browser window displaying a Progressive Web App (PWA) titled "Cowboy PWA". The page features a large input field for "Usuari" (User) and a smaller input field for "Contrasenya" (Password). A prominent blue button labeled "ENTRAR" (Enter) is located at the bottom right. Above the input fields, there is a cartoon illustration of a cowboy in a dynamic pose, holding two pistols. The browser's address bar shows the URL "127.0.0.1:8080". The top navigation bar includes standard Firefox icons for back, forward, search, and home, along with a plus sign to open new tabs.

Realment no són
APPs, ...
són webs



Ocupen poc
espai



Tenen
limitacions
en el dispositiu



Encara NO
funcionen igual
en les
plataformes





Twitter Lite

<https://pwa-directory.appspot.com/>

<https://developers.google.com/web/showcase/2017/>

<https://pwa.rocks/>

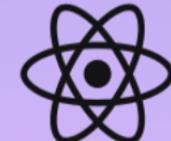
Aplicacions web nadiues



Aplicacions
nadiues



NativeScript

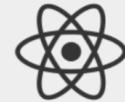


React Native

Aplicacions
nadiues
control·lades
per
Javascript



`console.log ("Indis disparant");`



React Native

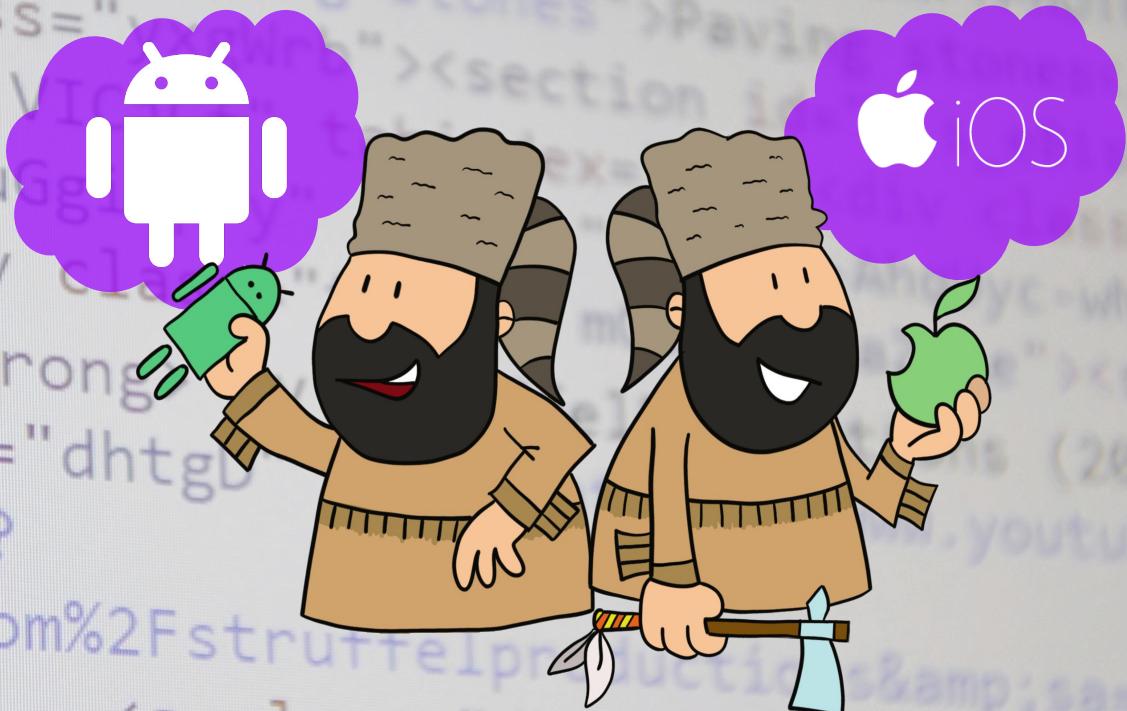


WEEX



NativeScript

Codi compartit



Poden accedir
a tots els
components
i Sensors
del dispositiu



Tradueixen les etiquetes
a controls nadius

```
<StackLayout orientation="vertical">
    <Image src="~/imatges/cowboy.png" />
    <TextField text="Usuari"></TextField>
    <TextField text="Contrasenya"></TextField>
    <Button text="Entrar"
        class="blau"></Button>
</StackLayout>
```

```
.blau {
    background-color: blue;
    color: white;
    margin-top: 20;
}
```



Velocitat **gairebé** nadiua





<https://www.nativescript.org/showcases>

<https://facebook.github.io/react-native/showcase.html>

Prepareu-vos
nadius!

