



UNIVERSIDAD TECNOLÓGICA DE LA SELVA



**DIVISIÓN DE TECNOLOGÍAS DE LA INFORMACIÓN Y COMUNICACIÓN
INGENIERIA EN DESARROLLO Y GESTIÓN DE SOFTWARE**

PRACTICA DEL TEMA: “**RESULTADO DE APRENDIZAJE**”, DE LA UNIDAD
II, DE LA ASIGNATURA DE:

PÁGINAS WEB PROGRESIVAS

INTEGRANTES DEL EQUIPO:

MATRICULA	NOMBRE	%
092010235	CARLOS EDUARDO CHÁVEZ DÍAZ	100%
091710935	ROMEO ALEJANDRO MORALES VELÁZQUEZ	100%

GRADO: **10**

GRUPO: **A**

TURNO: **MATUTINO**

DOCENTE:

Mtro. Andrés Donaciano Martínez Guillén

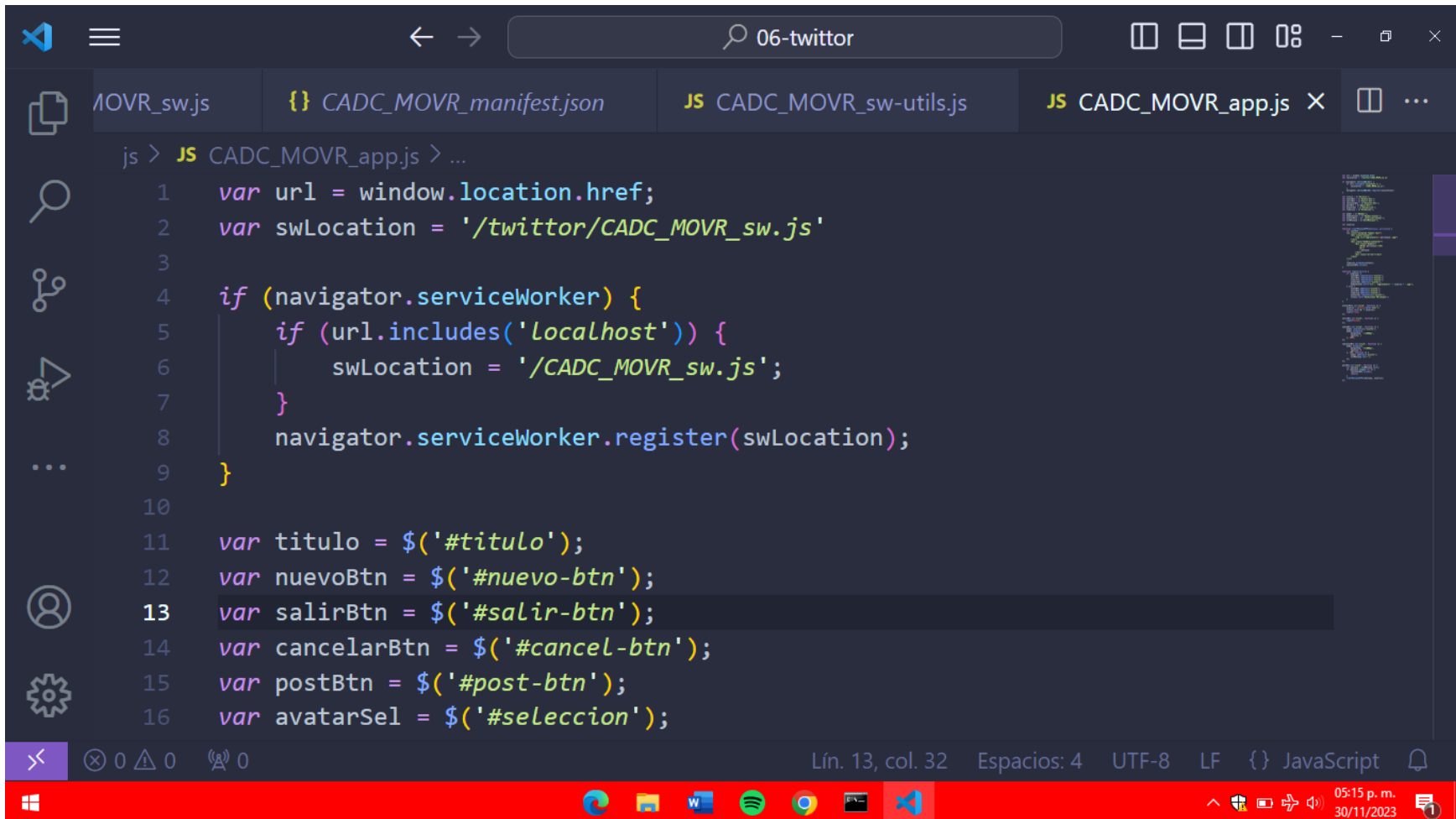
OCOSINGO, CHIAPAS, 30 DE NOVIEMBRE DEL 2023

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1. EVIDENCIAS DE LOS CÓDIGOS CAPTURADOS

Se presenta código del **app.js**

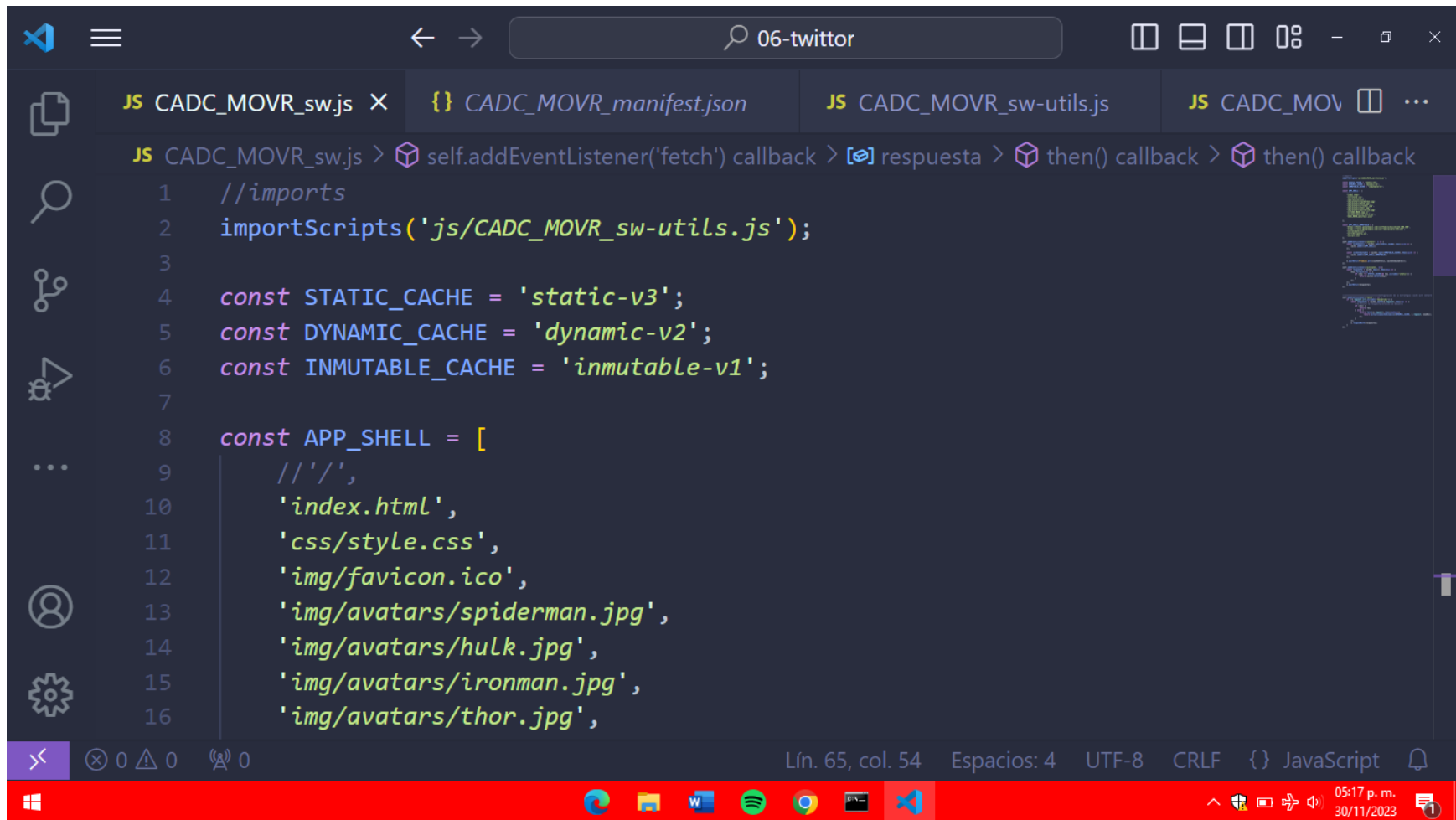


```
js > JS CADC_MOVR_app.js > ...
1  var url = window.location.href;
2  var swLocation = '/twitter/CADC_MOVR_sw.js'
3
4  if (navigator.serviceWorker) {
5      if (url.includes('localhost')) {
6          swLocation = '/CADC_MOVR_sw.js';
7      }
8      navigator.serviceWorker.register(swLocation);
9  }
10
11  var titulo = $('#titulo');
12  var nuevoBtn = $('#nuevo-btn');
13  var salirBtn = $('#salir-btn');
14  var cancelarBtn = $('#cancel-btn');
15  var postBtn = $('#post-btn');
16  var avatarSel = $('#seleccion');
```

Ln. 13, col. 32 Espacios: 4 UTF-8 LF {} JavaScript

05:15 p. m. 30/11/2023

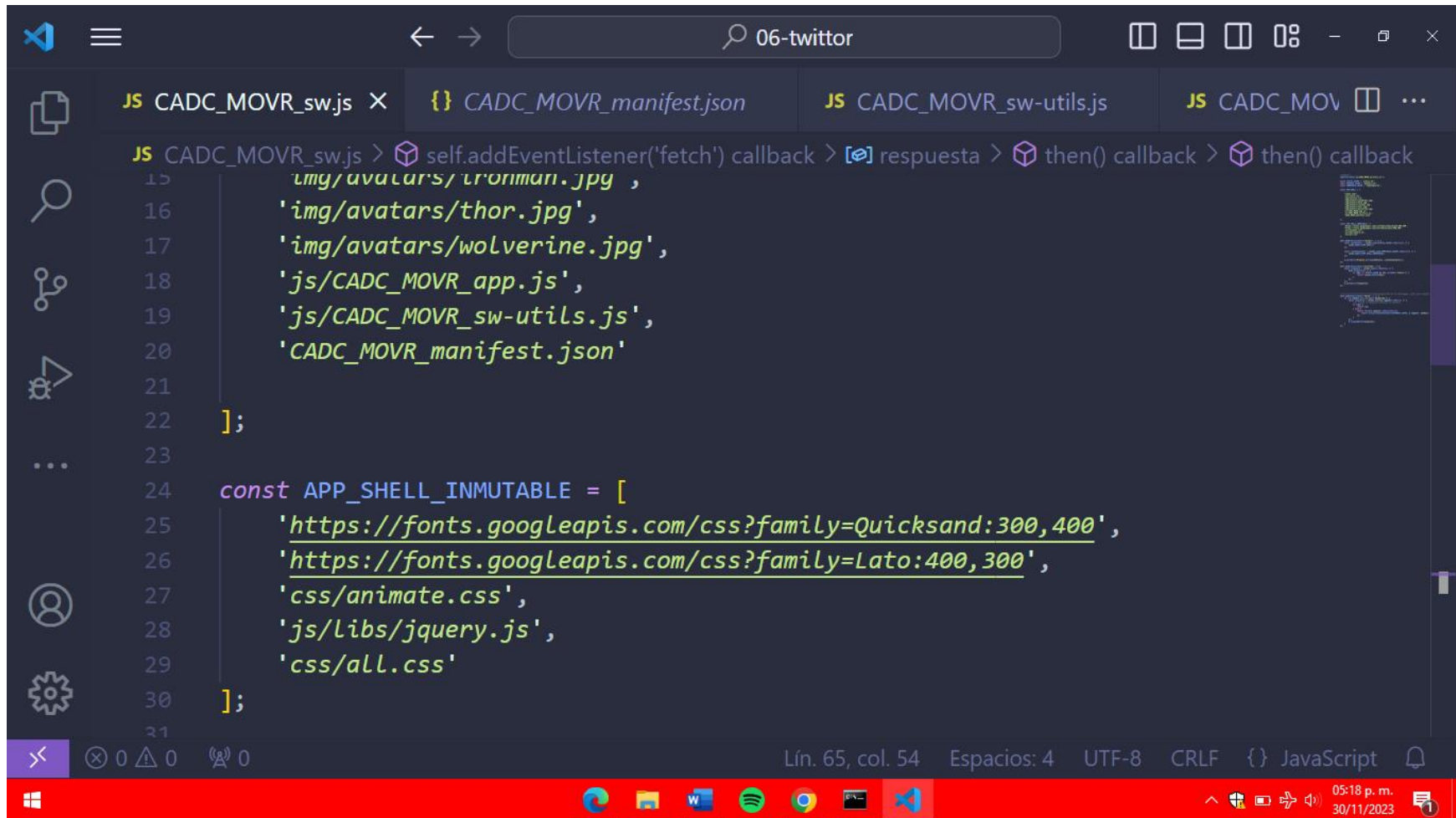
Código del **service worker**:

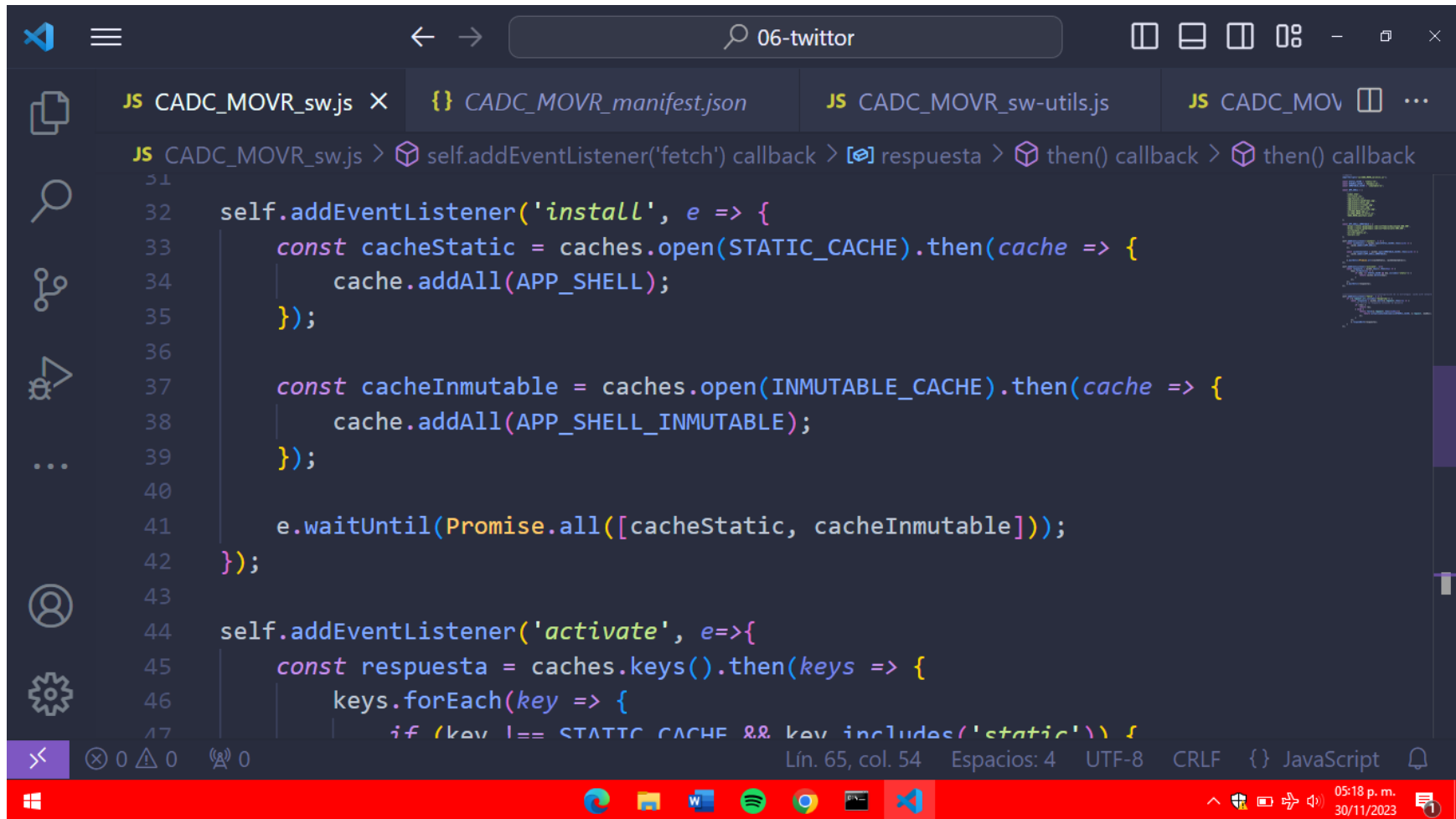


The image shows a screenshot of a Visual Studio Code editor window. The top bar displays the search icon, a back/forward arrow, a search box containing '06-twitter', and window management icons. The editor has four tabs open: 'CADC_MOVR_sw.js' (selected), 'CADC_MOVR_manifest.json', 'CADC_MOVR_sw-utils.js', and 'CADC_MOVR...'. The active file 'CADC_MOVR_sw.js' contains the following JavaScript code:

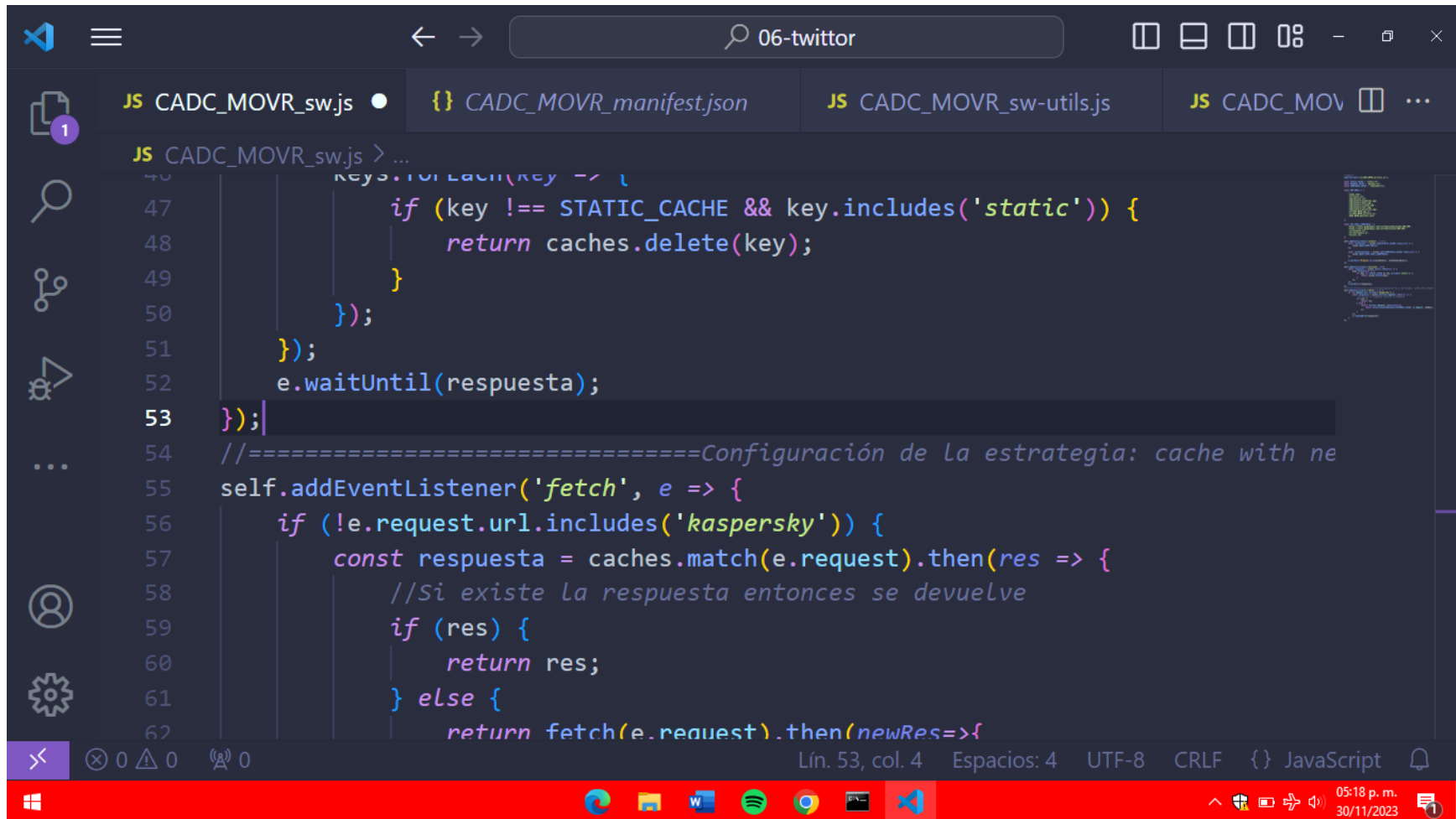
```
JS CADC_MOVR_sw.js > self.addEventListener('fetch') callback > [?] respuesta > then() callback > then() callback
1 //imports
2 importScripts('js/CADC_MOVR_sw-utils.js');
3
4 const STATIC_CACHE = 'static-v3';
5 const DYNAMIC_CACHE = 'dynamic-v2';
6 const IMMUTABLE_CACHE = 'immutable-v1';
7
8 const APP_SHELL = [
9   // '/',
10  'index.html',
11  'css/style.css',
12  'img/favicon.ico',
13  'img/avatars/spiderman.jpg',
14  'img/avatars/hulk.jpg',
15  'img/avatars/ironman.jpg',
16  'img/avatars/thor.jpg',
```

The status bar at the bottom indicates the current position is 'Lín. 65, col. 54', with 'Espacios: 4', 'UTF-8', 'CRLF', and 'JavaScript' encoding. The Windows taskbar is visible at the very bottom with various application icons and a system clock showing '05:17 p. m. 30/11/2023'.





Configuración de la estrategia: cache with network fallback dentro del service worker



```
JS CADC_MOVR_sw.js • {} CADC_MOVR_manifest.json JS CADC_MOVR_sw-utils.js JS CADC_MOVR_sw.js ...
JS CADC_MOVR_sw.js > ...
47     keys.forEach(key => {
48         if (key !== STATIC_CACHE && key.includes('static')) {
49             return caches.delete(key);
50         }
51     });
52     e.waitUntil(respuesta);
53 });|
54 //=====Configuración de la estrategia: cache with ne
55 self.addEventListener('fetch', e => {
56     if (!e.request.url.includes('kaspersky')) {
57         const respuesta = caches.match(e.request).then(res => {
58             //Si existe la respuesta entonces se devuelve
59             if (res) {
60                 return res;
61             } else {
62                 return fetch(e.request).then(newRes=>{
```

Lín. 53, col. 4 Espacios: 4 UTF-8 CRLF {} JavaScript

05:18 p. m. 30/11/2023

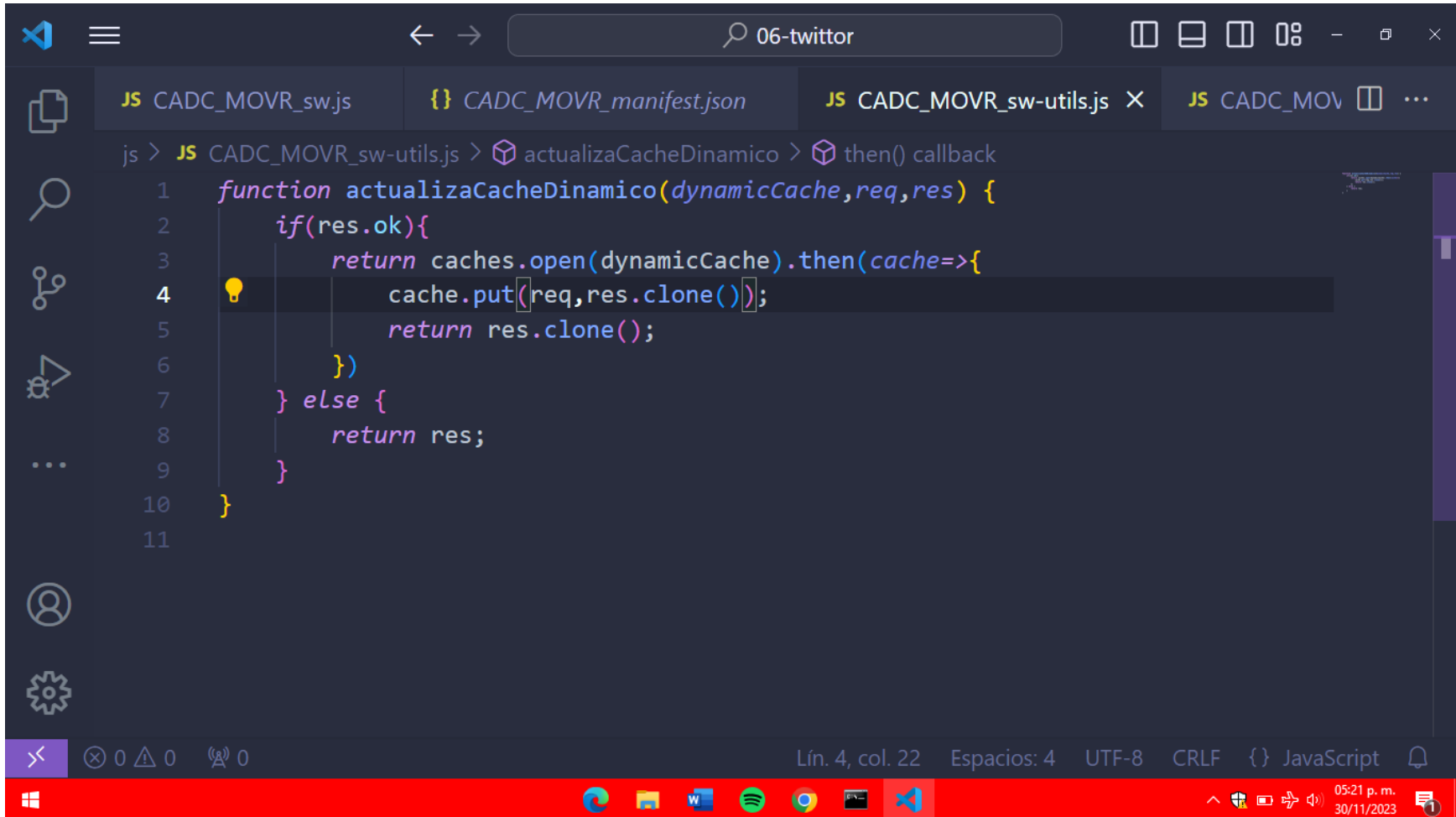


```
JS CADC_MOVR_sw.js > ...
55 fetch.addEventListener('fetch', e => {
56     if (!e.request.url.includes('kaspersky')) {
57         const respuesta = caches.match(e.request).then(res => {
58             //Si existe la respuesta entonces se devuelve
59             if (res) {
60                 return res;
61             } else {
62                 return fetch(e.request).then(newRes=>{
63                     return actualizaCacheDinamico(DYNAMIC_CACHE, e.request, new
64                 ));
65             }
66         });
67         e.respondWith(respuesta);
68     }
69 });
70
71
```

Lín. 53, col. 4 Espacios: 4 UTF-8 CRLF {} JavaScript

05:18 p. m.
30/11/2023

Código del archivo: **sw-utils.js**

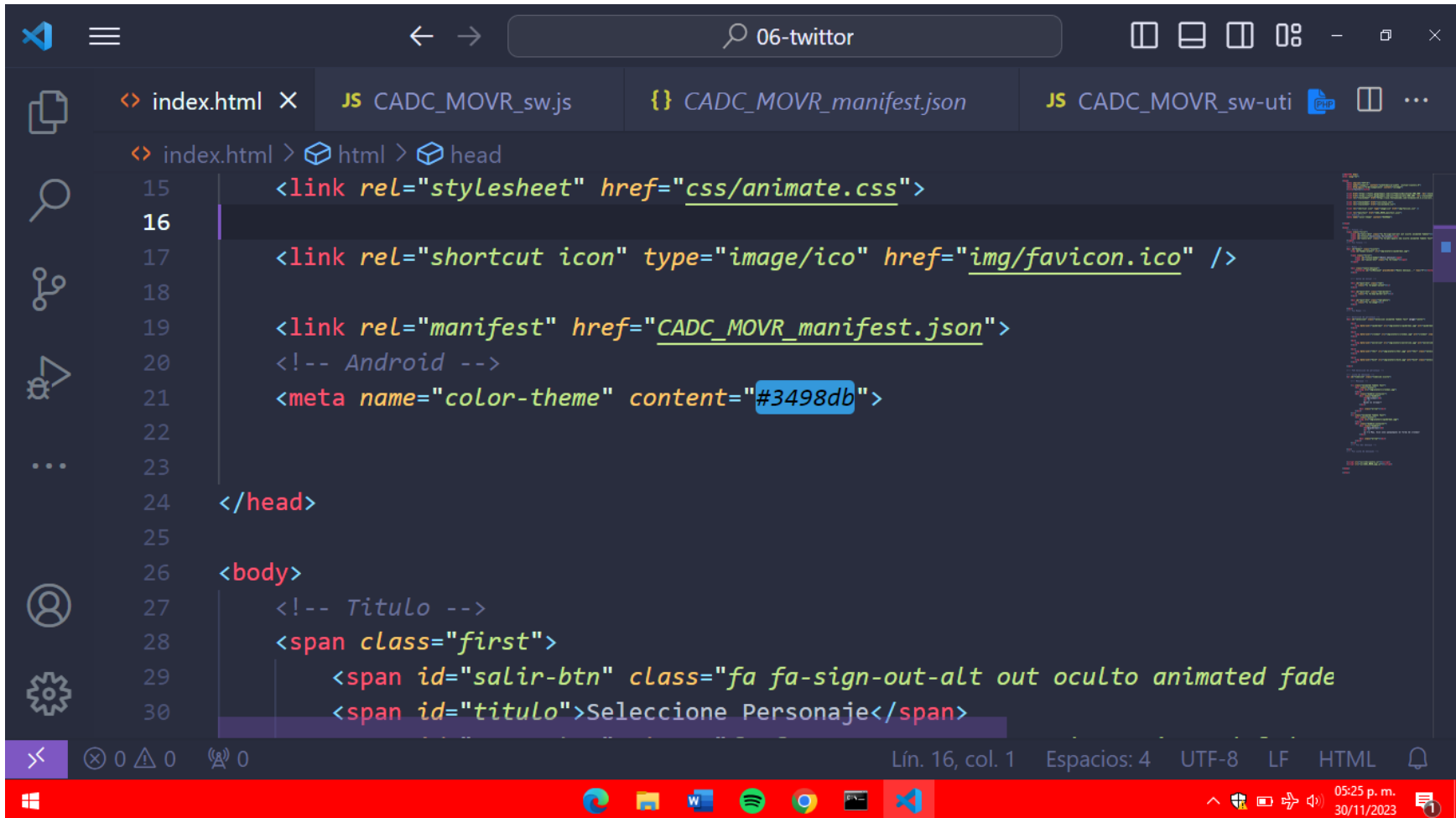


The image shows a screenshot of the Visual Studio Code editor interface. The top bar displays the search icon, a hamburger menu, and the file path '06-twitter'. The editor has four tabs open: 'CADC_MOVR_sw.js', 'CADC_MOVR_manifest.json', 'CADC_MOVR_sw-utils.js' (active), and 'CADC_MOVR...'. The active tab shows a JavaScript function named 'actualizaCacheDinamico' with the following code:

```
js > JS CADC_MOVR_sw-utils.js > actualizaCacheDinamico > then() callback
1  function actualizaCacheDinamico(dynamicCache, req, res) {
2      if(res.ok){
3          return caches.open(dynamicCache).then(cache=>{
4              cache.put(req, res.clone());
5              return res.clone();
6          });
7      } else {
8          return res;
9      }
10 }
11
```

The status bar at the bottom indicates the current position is 'Lín. 4, col. 22', with 'Espacios: 4', 'UTF-8', 'CRLF', and 'JavaScript' encoding. The Windows taskbar is visible at the very bottom, showing the time as 05:21 p. m. on 30/11/2023.

Configuración del archivo manifest: Configuración de archivo index.html

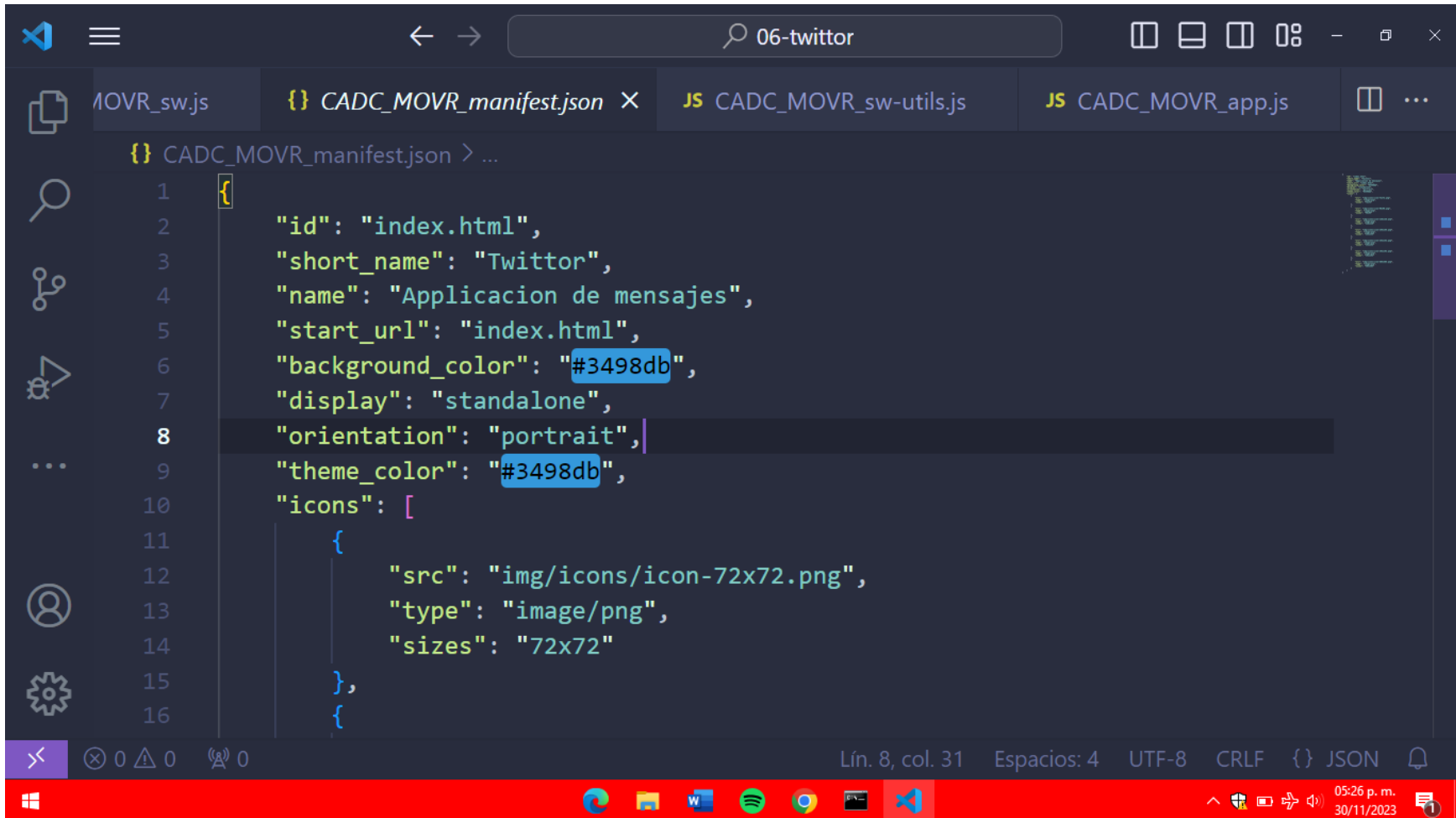


```
<> index.html X JS CADC_MOVR_sw.js {} CADC_MOVR_manifest.json JS CADC_MOVR_sw-uti
<> index.html > html > head
15 <link rel="stylesheet" href="css/animate.css">
16
17 <link rel="shortcut icon" type="image/ico" href="img/favicon.ico" />
18
19 <link rel="manifest" href="CADC_MOVR_manifest.json">
20 <!-- Android -->
21 <meta name="color-theme" content="#3498db">
22
23
24 </head>
25
26 <body>
27 <!-- Título -->
28 <span class="first">
29 <span id="salir-btn" class="fa fa-sign-out-alt out oculto animated fade
30 <span id="titulo">Seleccione Personaje</span>
```

Lín. 16, col. 1 Espacios: 4 UTF-8 LF HTML

05:25 p. m. 30/11/2023

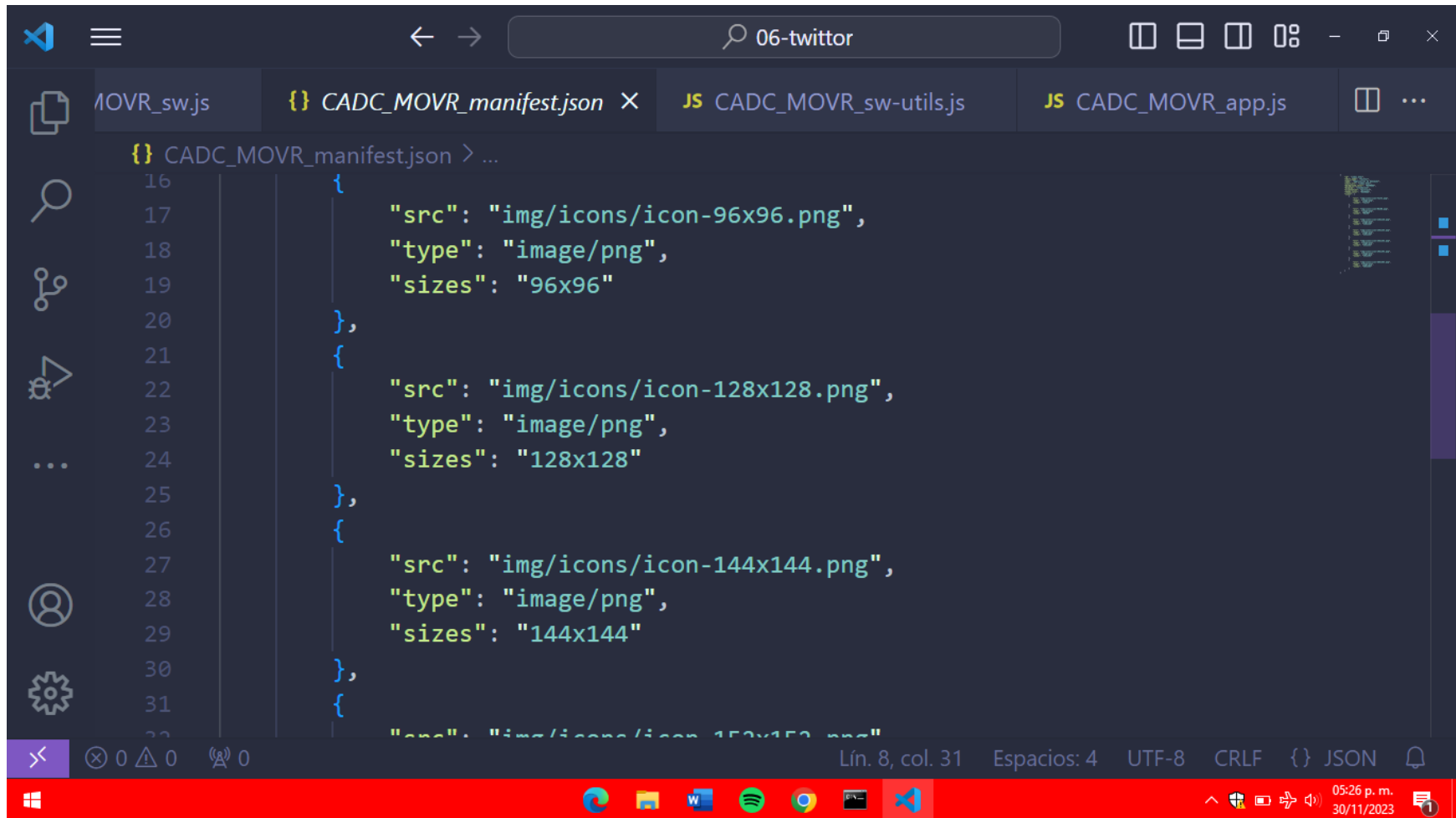
Código del archivo **manifest**

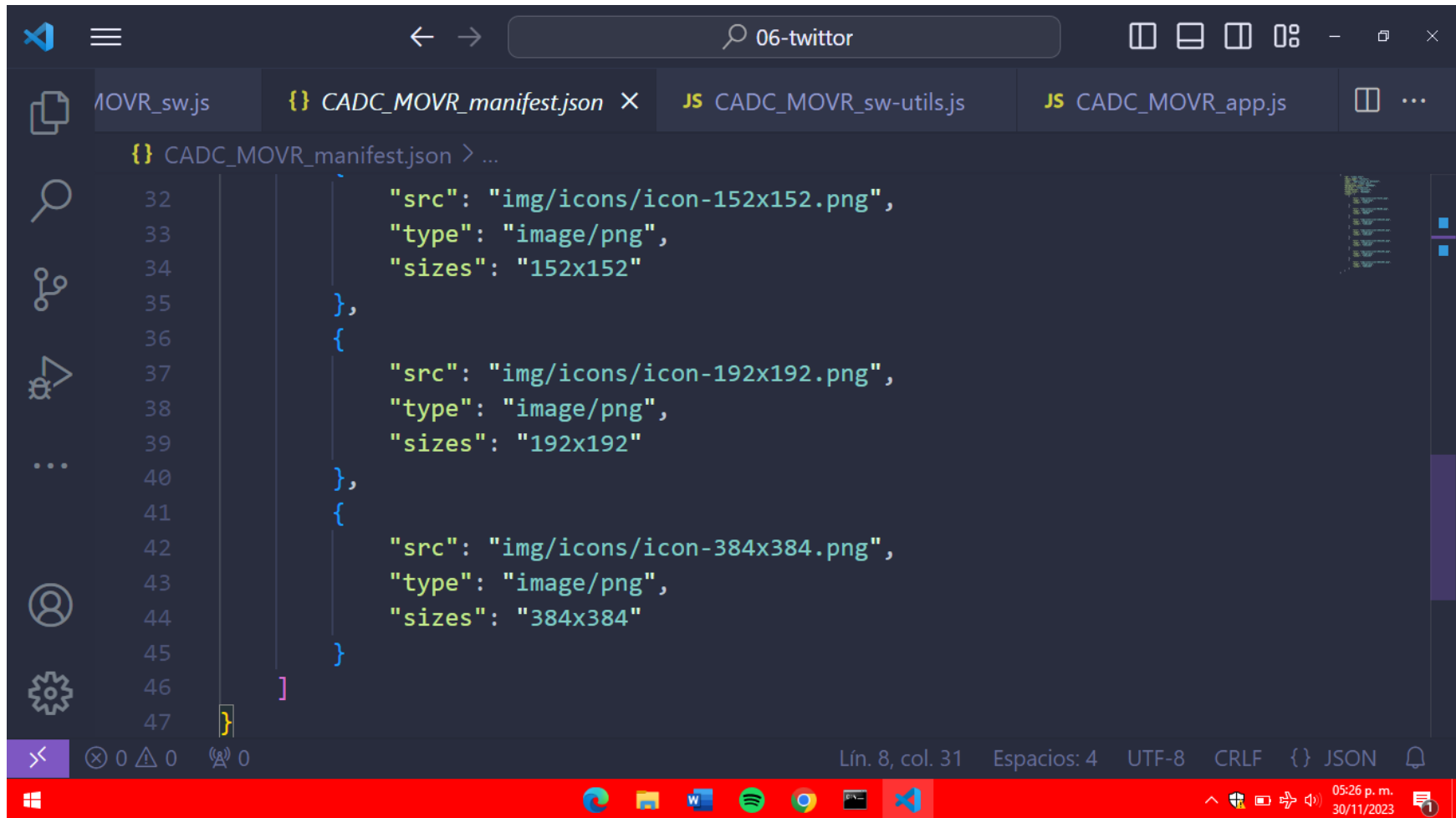


The image shows a code editor window with the file `CADC_MOVR_manifest.json` open. The editor has a dark theme and a sidebar on the left with icons for Explorer, Search, Source Control, Run and Debug, and Extensions. The top bar shows the file name `06-twitter` and various window controls. The code is a JSON object with the following properties:

```
1  {
2    "id": "index.html",
3    "short_name": "Twitter",
4    "name": "Aplicacion de mensajes",
5    "start_url": "index.html",
6    "background_color": "#3498db",
7    "display": "standalone",
8    "orientation": "portrait",
9    "theme_color": "#3498db",
10   "icons": [
11     {
12       "src": "img/icons/icon-72x72.png",
13       "type": "image/png",
14       "sizes": "72x72"
15     },
16     {
```

The status bar at the bottom indicates the current position is `Lín. 8, col. 31`, with `Espacios: 4`, `UTF-8` encoding, `CRLF` line endings, and `{ } JSON` format. The Windows taskbar is visible at the very bottom, showing the time as `05:26 p. m.` on `30/11/2023`.





Demostración con capturas de pantalla sobre la App en pagina web y en un dispositivo móvil:

Demostración en web:

The screenshot shows a web browser displaying a Twitter-like interface for the user @spiderman. The interface includes a header with the username, a profile picture of Iron Man, and a list of tweets. The first tweet is from @ironman asking "Quien es ellaaa?". The second tweet is from @spiderman saying "La tía May, hizo unos panqueques en forma de ironman!".

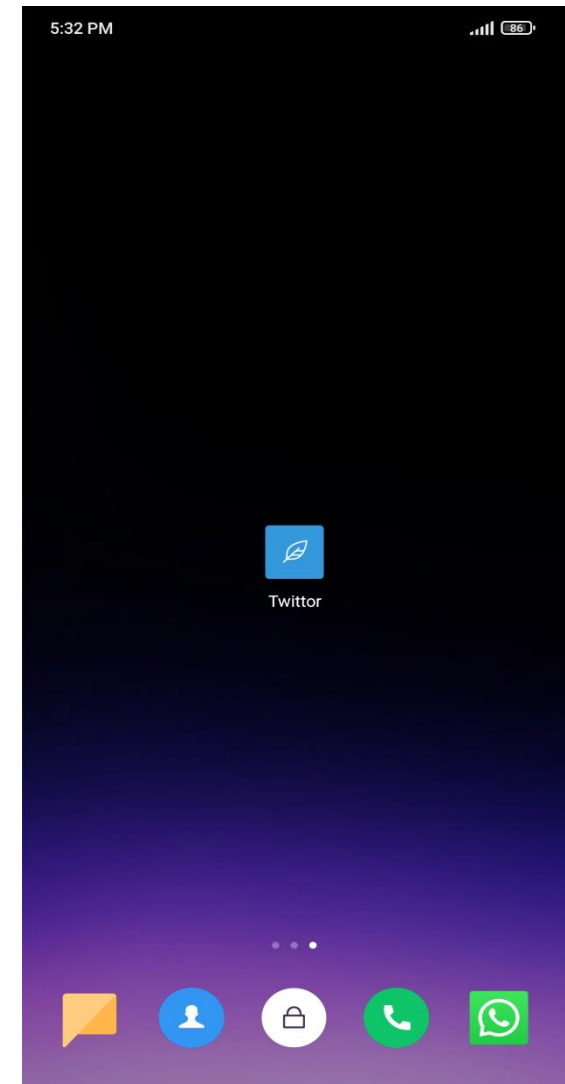
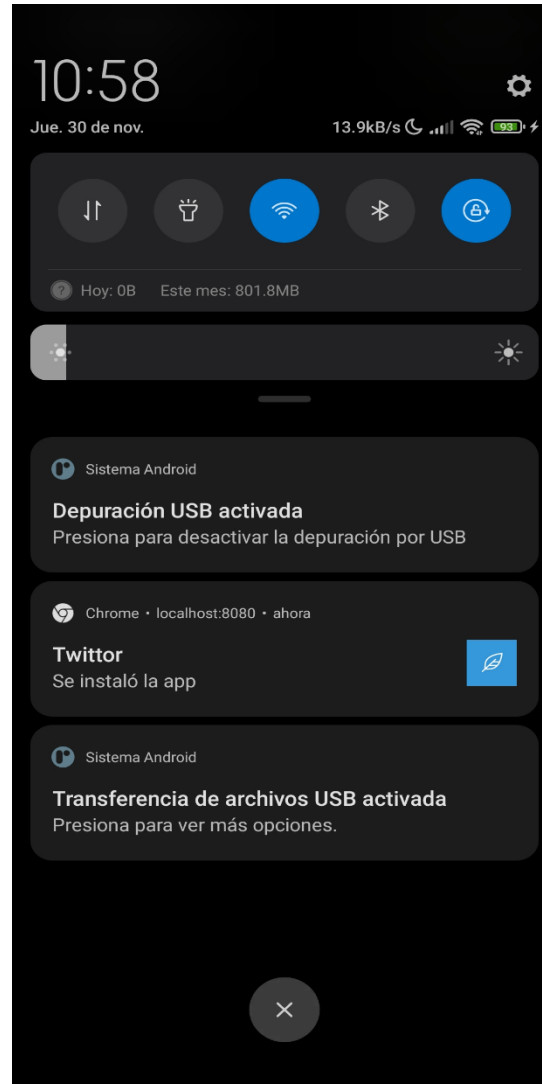
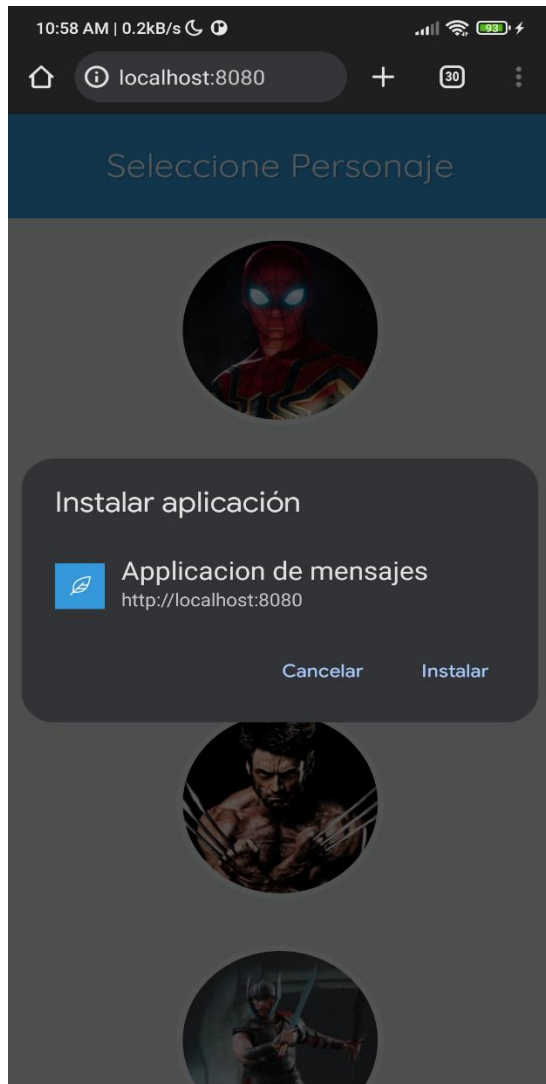
Overlaid on the right side of the browser is the Chrome DevTools Application panel. The panel shows the following information:

- Application** tab selected.
- Storage** section expanded, showing local storage, session storage, indexedDB, web SQL, cookies, private state tokens, interest groups, shared storage, and cache storage.
- Cache storage** section expanded, showing three entries: static-v3 - http://, immutable-v1 - ht, and dynamic-v2 - http.
- Background services** section expanded, showing back/forward cache, background fetch, background sync, bounce tracking mit, and notifications.
- Network** tab selected, showing a request to `http://localhost:8080`.
- Origin** `http://localhost:8080`.
- Bucket name** `default`.
- Is persistent** `No`.
- Durability** `strict`.
- Quota** `0 B`.
- Expiration** `None`.
- Table of entries:**

#	Name	Res...	Co...	Con...	Tim...	Var...
0	/	basic	text...	4,041	30/...	
1	/img/icons/icon-144x144...	basic	ima...	3,582	30/...	
2	/s/lato/v24/S6uyw4BMU...	cors	fon...	23,...	30/...	
3	/s/quicksand/v31/6xKtdS...	cors	fon...	28,...	30/...	
4	/releases/v5.3.1/webfont...	cors	fon...	65,...	30/...	Ori...
5	/releases/v5.3.1/webfont...	cors	fon...	67,...	30/...	Ori...

Total entries: 6

Demostración en el dispositivo móvil de **Carlos Eduardo Chávez Díaz**:



5:33 PM



Applicacion de mensajes

Demostración en el dispositivo móvil de **Romeo Alejandro Morales Velázquez**:

