

Tailwind devtools: superare i limiti di Tailwind realizzando un devtool open source

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- Italian edition -



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Chi sono

- Salvatore Romeo, PhD
- Sviluppatore Software
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- Autore di



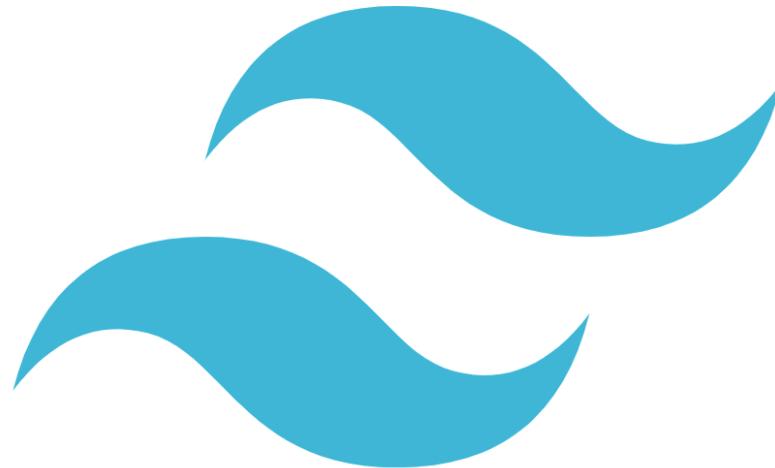
- Oggi: sviluppo front-end e back-end in Node



Di cosa parleremo?



Stai usando o vorresti usare Tailwind?



Imparerai a **lavorare con Tailwind** in
maniera più efficace ed efficiente



È complicato realizzare un'estensione per Chrome?



Scoprirai che un'estensione Chrome è
poco più di un progetto frontend



Cosa c'è nel futuro dello sviluppo software?



L'esperienza sviluppatore (**DX**) è ancora troppo lontana dall'ottimo.

Possiamo fare di più?



Di cosa parleremo?

-  Cos'è **Tailwind**: punti di forza e debolezza
-  Tailwind in un **progetto reale**
-  I **problemI** con Tailwind
-  Un'estensione **Chrome** per risolvere i problemI di Tailwind
-  Come si **sviluppa e pubblica** un'estensione Chrome: dettagli tecnici
-  L'estensione e il progetto open source **ReDevtools**
-  Come **finanziare il progetto open source** ReDevtools



Di cosa parleremo?

- Cos'è Tailwind: punti di forza e debolezza
- Tailwind in un progetto reale
- I problemi con Tailwind
- Un'estensione Chrome per risolvere i problemi di Tailwind
- Come si sviluppa e pubblica un'estensione Chrome: dettagli tecnici
- L'estensione e il progetto open source ReDevtools
- Come finanziare il progetto open source ReDevtools
- Il tutto in:
 - **20 minuti**
 - Alle **17**
 - E siamo già in **ritardo**



Parliamo di Tailwind



Parliamo di Tailwind



Rapidly build modern websites without ever leaving your HTML.

A utility-first CSS framework packed with classes like **flex**, **pt-4**, **text-center** and **rotate-90** that can be composed to build any design, directly in your markup.



Tailwind: i punti di forza - consistenza

Permette di realizzare design accattivanti ...

The screenshot displays several Tailwind UI components:

- A green "Success" notification box with a checkmark icon containing the message: "Your account was registered!"
- A blue "Info" notification box with an exclamation mark icon containing the message: "This channel archived by the owner!"
- An "Account Settings" form with fields for Username, Email Address, Password, and Password Confirmation, along with a "Save" button.
- A "Design" card featuring a blog post with the title "Accessibility tools for designers and developers", a preview text, a "Read more" link, and a profile picture of a person named "Khatab wedaa".



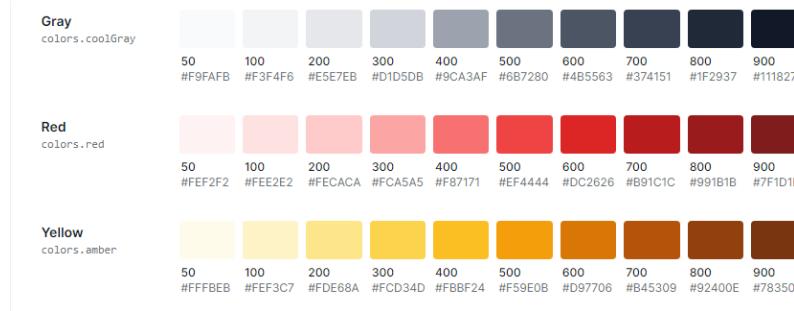
Tailwind: i punti di forza - consistenza

Permette di realizzare design accattivanti e **consistenti**

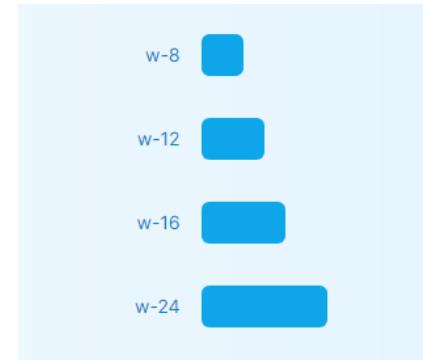


Tailwind: i punti di forza - consistenza

Permette di realizzare design accattivanti e **consistenti**



Scelta di colori limitata



Scelta di dimensioni limitata



Tailwind: i punti di forza

È più difficile fare danni di design

The screenshot shows a website for high school sports. At the top, there's a banner with the text "YOU ARE TODAY'S BIG WINNER!" and a call to action "VISIT YESTIWON.COM TO CLAIM YOUR PRIZE". Below the banner is a navigation menu with links like Home, Fab 15, Baseball, Basketball, Coaches, Football, Rankings, Recruiting, King Recruiting, Resources, Schedules, Scores, 2013-2014 Score Archive, Softball, News, Photos, MS Sports Chatter, Volleyball, Soccer, Score Archives, Rankings-Archives, Fab 15 Archives, and Awards Archives. The time is listed as 1:57:34 PM on June 21, 2018. The main content area features a "Score Board" section for Monday March 23 MHSAA Baseball Scores, showing various teams and their scores. It also includes a "Contact us:" section with information for Jeff King and Josh Smith, and a "Jeffkcoach Quotes for the Day" section with a quote from Robert Frost and another from David Rhodes. A sidebar on the right contains a message about sending information to the website.

Team	Score		
Caledonia	15	Noxubee County	0
East Webster	10	South Pontotoc	0
Harrison Central	8	Biloxi	5
Hattiesburg	4	St. Martin	0
Itawamba AHS	6	Smithville	1
Jumpertown	11	Wheeler	1
NE Jones	18	Bay Springs	6
Peral	14	Kosciusko	4
St. Andrews	1	Loyd Star	0

Team	Score		
Benton Academy	8	Manchester Academy	5
Brookhaven Academy	9	Bens Ford Christian	3
Franklin Academy	5	Caliborne Academy	4
Hartfield Academy	5	Central Hinds	3
Newton Co. Academy	5	Lamar Christian	4
Prentiss Christian	16	Clinton Christian	0
Rebil Academy	14	Scott County	1
Silliman Institute	11	Bowling Green	0





Tailwind: i punti di forza - utility

Chi usa le queste classi di Bootstrap? **text-center, d-flex, ...**

.text-primary

.text-secondary

.text-success

.text-danger

.text-warning

.text-info

.text-light

.bg-primary

.bg-secondary

.bg-success

.bg-danger

.bg-warning

.bg-info

- .d-flex
- .d-inline-flex
- .d-sm-flex
- .d-sm-inline-flex
- .d-md-flex
- .d-md-inline-flex
- .d-lg-flex
- .d-lg-inline-flex
- .d-xl-flex
- .d-xl-inline-flex
- .d-xxl-flex
- .d-xxl-inline-flex

No shadow

Small shadow

Regular shadow

Larger shadow

```
<div class="shadow-none p-3 mb-5 bg-light rounded">No shadow</div>
<div class="shadow-sm p-3 mb-5 bg-body rounded">Small shadow</div>
<div class="shadow p-3 mb-5 bg-body rounded">Regular shadow</div>
<div class="shadow-lg p-3 mb-5 bg-body rounded">Larger shadow</div>
```

Copy



Tailwind: i punti di forza - utility

Tailwind ha estremizzato le **utility classes** di Bootstrap

.text-primary

.text-secondary

.text-success

.text-danger

.text-warning

.text-info

.text-light

.bg-primary

.bg-secondary

.bg-success

.bg-danger

.bg-warning

.bg-info

- .d-flex
- .d-inline-flex
- .d-sm-flex
- .d-sm-inline-flex
- .d-md-flex
- .d-md-inline-flex
- .d-lg-flex
- .d-lg-inline-flex
- .d-xl-flex
- .d-xl-inline-flex
- .d-xxl-flex
- .d-xxl-inline-flex

No shadow

Small shadow

Regular shadow

Larger shadow

```
<div class="shadow-none p-3 mb-5 bg-light rounded">No shadow</div>
<div class="shadow-sm p-3 mb-5 bg-body rounded">Small shadow</div>
<div class="shadow p-3 mb-5 bg-body rounded">Regular shadow</div>
<div class="shadow-lg p-3 mb-5 bg-body rounded">Larger shadow</div>
```

Copy



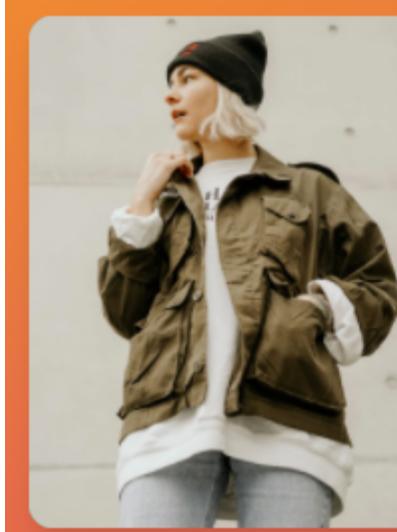
Tailwind: primo impatto



"Tailwind CSS is the only framework that I've seen scale on large teams. It's easy to customize, adapts to any design, and the build size is tiny."

Sarah Dayan

Staff Engineer, Algolia



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By Nicholas Denver
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20m · Easy · 6 servings
By Lily Ford

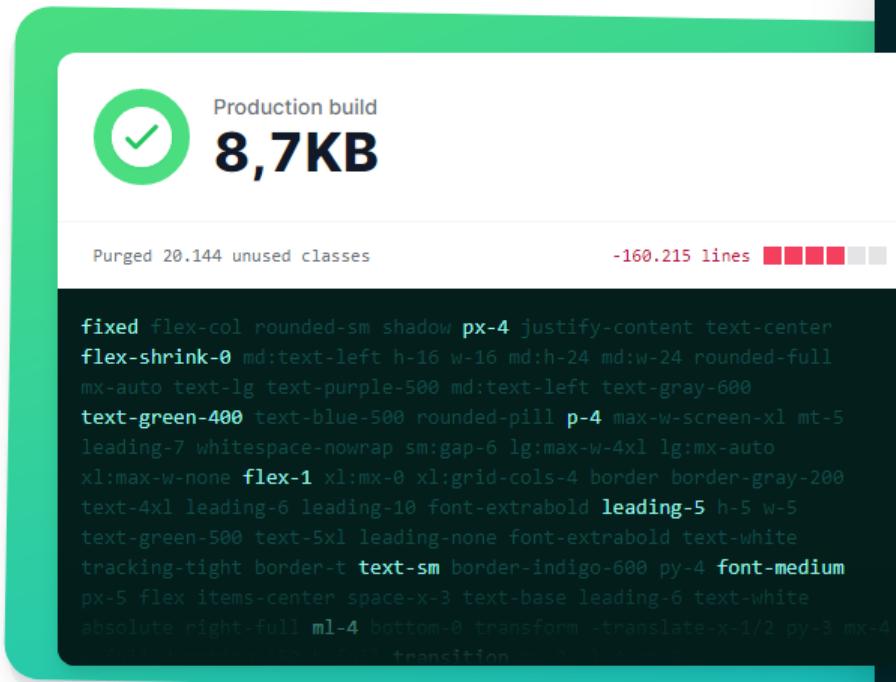
Production build **8,7KB**

Purged 20.144 unused classes -160.215 lines

```
fixed flex-col rounded-sm shadow px-4 justify-content flex-shrink-0 md:text-left h-16 w-16 md:h-24 md:w-24 rounded-full mx-auto text-lg text-purple-500 md:text-left text-gray-600 text-green-400 text-blue-500 rounded-pill p-4 max-w-screen-xl mt-5 leading-7 whitespace nowrap sm:gap-6 lg:max-w-4xl lg:mx-auto xl:max-w-none flex-1 xl:mx-0 xl:grid-cols-4 border border-gray-200 text-4xl leading-6 leading-10 font-extrabold leading-5 h-5 w-5 text-green-500 text-5xl leading-none font-extrabold text-white tracking-tight border-t text-sm border-indigo-600 py-4 font-medium px-5 flex items-center space-x-3 text-base leading-6 text-white absolute right-full m1-4 bottom-0 transform -translate-x-1/2 py-3 mx-4 transition
```



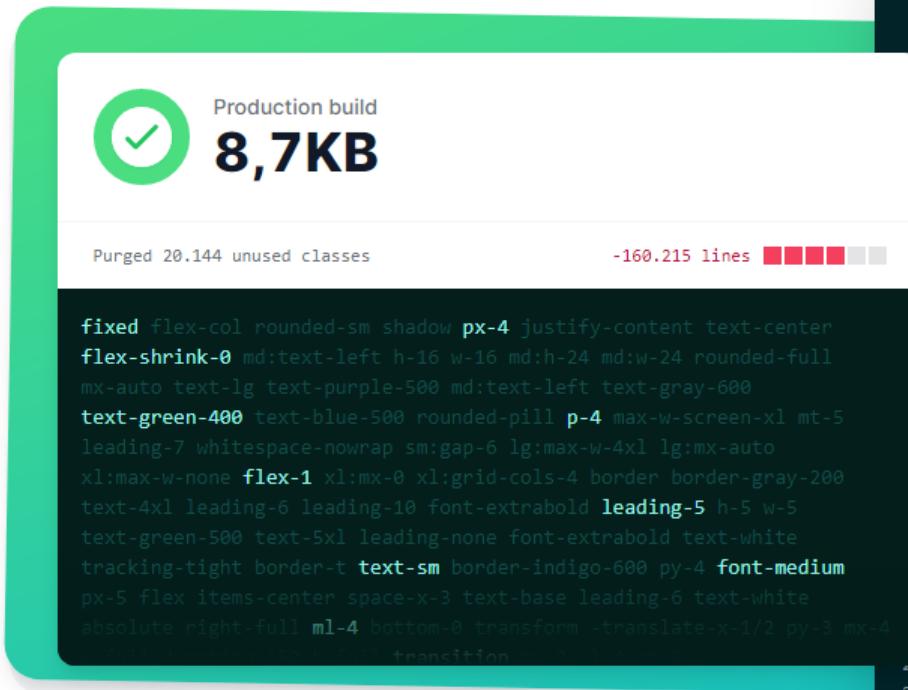
Tailwind: primo impatto



```
1 <div class="fixed inset-0 flex items-end justify-center px-4 py-6 pointer-events-none transition duration-300 ease-in-out" style="background-color: #fff; opacity: 0.95;">
2   <div class="max-w-sm w-full bg-white shadow-lg rounded-lg pointer-events-auto relative">
3     <div class="rounded-lg shadow-xs overflow-hidden">
4       <div class="p-4">
5         <div class="flex items-start">
6           <div class="flex-shrink-0">
7             <svg class="h-6 w-6 text-green-400" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor">
8               <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M12 12h.01"/>
9             </svg>
10          </div>
11          <div class="ml-3 w-0 flex-1 pt-0.5">
12            <p class="text-sm font-medium text-gray-900">
13              Successfully saved!
14            </p>
15            <p class="mt-1 text-sm text-gray-500">
16              Anyone with a link can now view this file.
17            </p>
18          </div>
19        </div>
20        <div class="ml-4 flex-shrink-0 flex">
21          <button class="inline-flex text-gray-400 focus:outline-none focus:ring-2 focus:ring-indigo-600 font-medium border border-gray-200 rounded-lg py-1 px-3" type="button">
22            <svg class="h-5 w-5" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor">
23              <path fill-rule="evenodd" d="M4.293 4.293a1 1 0 011.414 0l10 10a1 1 0 010 1.414l-10 10a1 1 0 01-1.414 0l-10-10a1 1 0 010-1.414l10-10a1 1 0 011.414 0z"/>
24            </svg>
25          </button>
26        </div>
27      </div>
28    </div>
29  </div>
30</div>
```



Vedremo come risolvere questo problema



```
1 <div class="fixed inset-0 flex items-end justify-center px-4 py-6 pointer-events-none transition duration-300 ease-in-out" style="background-color: #fff; backdrop-filter: blur(10px); opacity: 0.95;">
2   <div class="max-w-sm w-full bg-white shadow-lg rounded-lg pointer-events-auto relative overflow-hidden">
3     <div class="rounded-lg shadow-xs overflow-hidden">
4       <div class="p-4">
5         <div class="flex items-start">
6           <div class="flex-shrink-0">
7             <svg class="h-6 w-6 text-green-400" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-width="2" stroke-linecap="round" stroke-linejoin="round">
8               <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M4.293 4.293a1 1 0 011.414 0L10 10a1 1 0 010 1.414l4.293 4.293a1 1 0 010 1.414z"/>
9             </svg>
10            <div class="ml-3 w-0 flex-1 pt-0.5">
11              <p class="text-sm font-medium text-gray-900">
12                Successfully saved!
13              </p>
14              <p class="mt-1 text-sm text-gray-500">
15                Anyone with a link can now view this file.
16              </p>
17            </div>
18          </div>
19          <div class="ml-4 flex-shrink-0 flex">
20            <button class="inline-flex text-gray-400 focus:outline-none focus:ring-2 focus:ring-blue-500 border border-gray-200 rounded-lg py-1.5 px-2.5 transition duration-150ms ease-in-out">
21              <svg class="h-5 w-5" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-width="2" stroke-linecap="round" stroke-linejoin="round">
22                <path fill-rule="evenodd" d="M4.293 4.293a1 1 0 011.414 0L10 10a1 1 0 010 1.414l4.293 4.293a1 1 0 010 1.414z"/>
23              </svg>
24            </button>
25          </div>
26        </div>
27      </div>
28    </div>
29  </div>
30</div>
```





Ricapitolando

- Tailwind: **utility classes** per creare design combinando i vari pezzi
- Le regole Tailwind sono più **stringenti** di CSS
- I **vincoli** mi permettono di essere più **consistente** nel design
- La **zuppa di classi** dentro l'HTML può essere risolta



Di cosa parleremo?

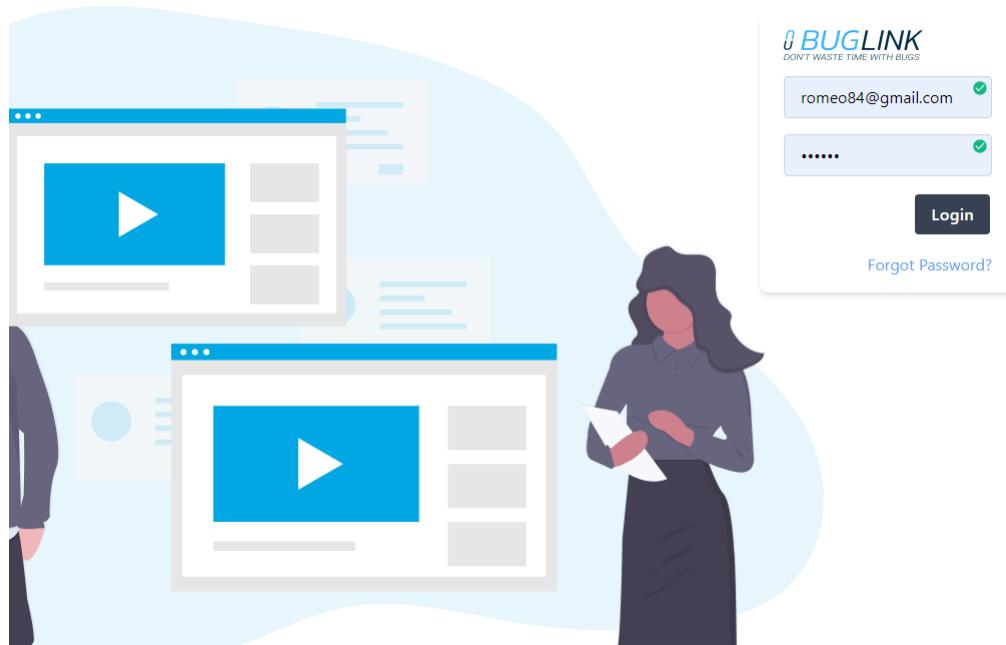
-  Cos'è Tailwind: punti di forza e debolezza
-  Tailwind in un **progetto reale**
-  I problemi con Tailwind
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-  Come finanziare il progetto open source ReDevtools



Tailwind in un progetto reale: not enough



Tailwind in un progetto reale: not enough



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DON'T WASTE TIME WITH BUGS

romeo84@gmail.com

.....

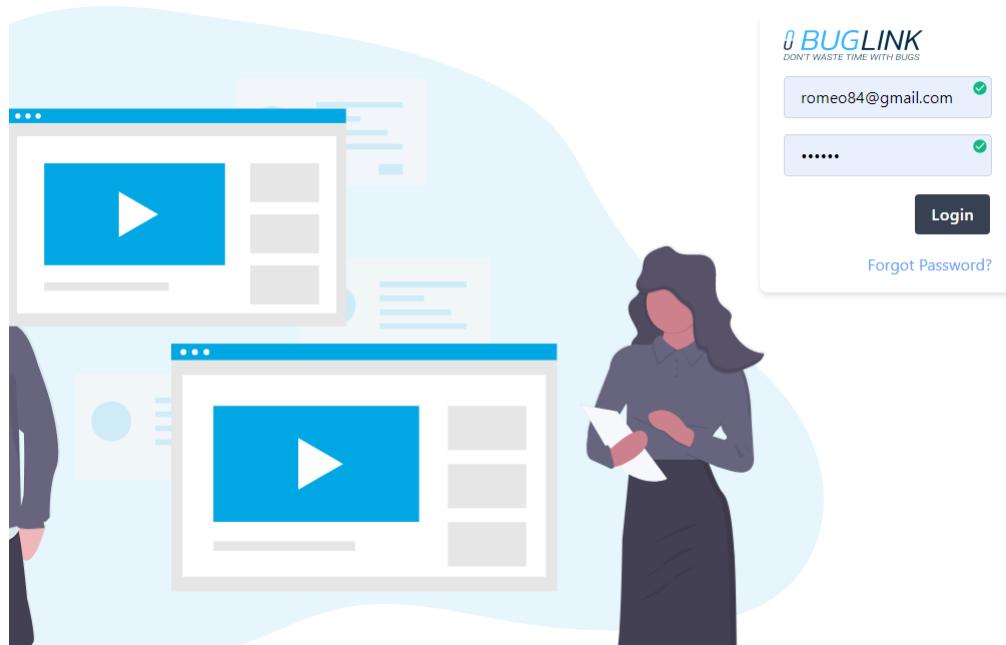
Login

[Forgot Password?](#)

Name	Method/Status	Request	Response
api/v1/profile/currencies/	GET/200	{"metho...}	{"titl...



Tailwind in un progetto reale: not enough



BUGLINK
DON'T WASTE TIME WITH BUGS

romeo84@gmail.com

.....

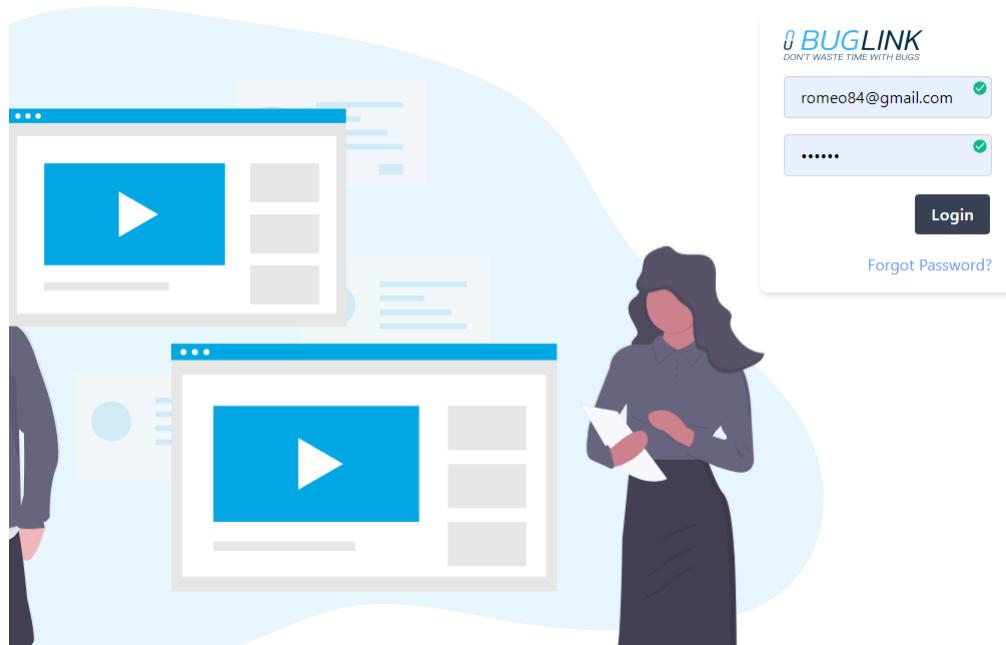
Login

[Forgot Password?](#)

Name	Method/Status	Request	Response
api/v1/profile/currencies/	GET/200	{"metho...}	{"titl...



Tailwind in un progetto reale: not enough



Name	Method/Status	Request	Response
api/v1/profile/currencies/	GET/200	{"metho...	{"titl...





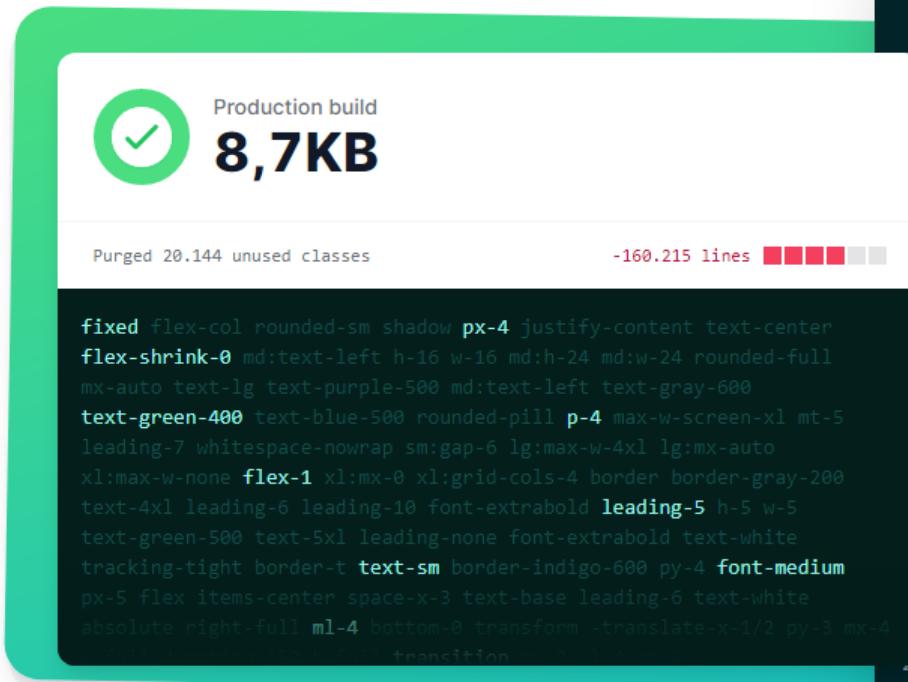
Tailwind + SCSS

tailwind.config.js

```
module.exports = {  
  prefix: "",  
  important: true,  
  purge: {  
    enabled: false,  
    content: [  
      './src/**/*.{html,ts,scss}',  
    ]  
  },  
  darkMode: false, // or 'media' or 'class'  
  theme: {  
    extend: {},  
  },  
  variants: {  
    extend: {},  
  }  
};
```



Vi ricordate questa html soup?

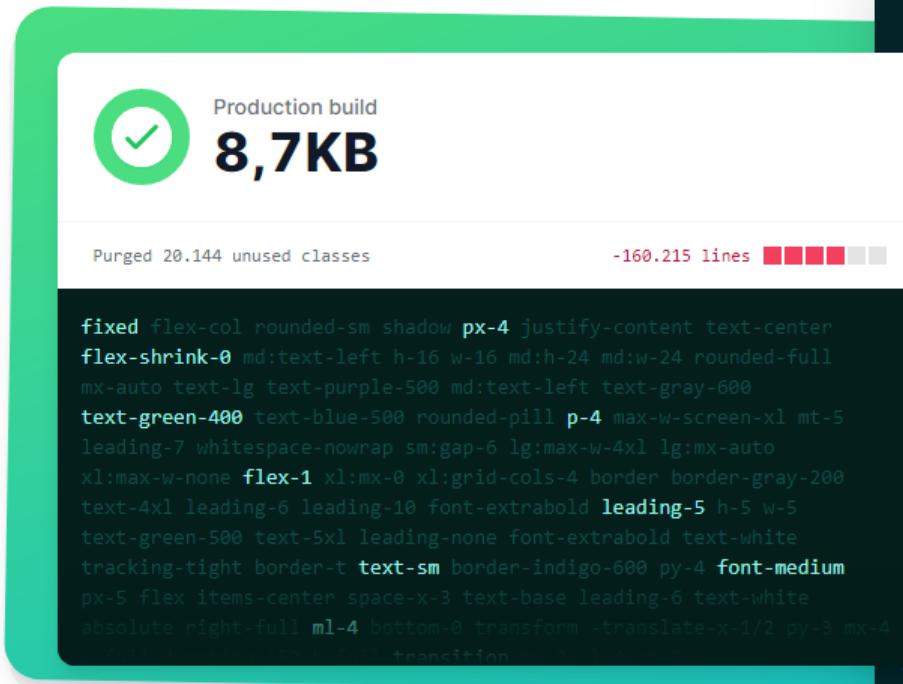


```
1 <div class="fixed inset-0 flex items-end justify-center px-4 py-6 pointer-events-none transition duration-300 ease-in-out" style="background-color: #fff; backdrop-filter: blur(10px); opacity: 0.95;">
2   <div class="max-w-sm w-full bg-white shadow-lg rounded-lg pointer-events-auto relative overflow-hidden">
3     <div class="rounded-lg shadow-xs overflow-hidden">
4       <div class="p-4">
5         <div class="flex items-start">
6           <div class="flex-shrink-0">
7             <svg class="h-6 w-6 text-green-400" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-width="2" stroke-linecap="round" stroke-linejoin="round">
8               <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M4.293 4.293a1 1 0 011.414 0L10 10a1 1 0 010 1.414l4.293 4.293a1 1 0 010 1.414z"/>
9             </svg>
10            </div>
11            <div class="ml-3 w-0 flex-1 pt-0.5">
12              <p class="text-sm font-medium text-gray-900">
13                Successfully saved!
14              </p>
15              <p class="mt-1 text-sm text-gray-500">
16                Anyone with a link can now view this file.
17              </p>
18            </div>
19          </div>
20          <div class="ml-4 flex-shrink-0 flex">
21            <button class="inline-flex text-gray-400 focus:outline-none focus:ring-2 focus:ring-indigo-600 py-1 font-medium border border-gray-200 rounded-md">
22              <svg class="h-5 w-5" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-width="2" stroke-linecap="round" stroke-linejoin="round">
23                <path fill-rule="evenodd" d="M4.293 4.293a1 1 0 011.414 0L10 10a1 1 0 010 1.414l4.293 4.293a1 1 0 010 1.414z"/>
24              </svg>
25            </button>
26          </div>
27        </div>
28      </div>
29    </div>
30  </div>
31</div>
```

In un progetto reale?



Vi ricordate questa html soup?



```
1 <div class="fixed inset-0 flex items-end justify-center px-4 py-6 pointer-events-none transition duration-300 ease-in-out" style="background-color: #fff; backdrop-filter: blur(10px); opacity: 0.95;">
2   <div class="max-w-sm w-full bg-white shadow-lg rounded-lg pointer-events-auto p-6 relative">
3     <div class="rounded-lg shadow-xs overflow-hidden">
4       <div class="p-4">
5         <div class="flex items-start">
6           <div class="flex-shrink-0">
7             <svg class="h-6 w-6 text-green-400" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-width="2" stroke-linecap="round" stroke-linejoin="round">
8               <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M4.293 4.293a1 1 0 011.414 0L10.585 10H12a1 1 0 011 1v4a1 1 0 01-1 1h-4v4a1 1 0 01-1 1z"/>
9             </svg>
10            <div class="ml-3 w-0 flex-1 pt-0.5">
11              <p class="text-sm font-medium text-gray-900">
12                Successfully saved!
13              </p>
14              <p class="mt-1 text-sm text-gray-500">
15                Anyone with a link can now view this file.
16              </p>
17            </div>
18          </div>
19          <div class="ml-4 flex-shrink-0 flex">
20            <button class="inline-flex text-gray-400 focus:outline-none focus:ring-2 focus:ring-blue-500 border border-gray-200 rounded-md py-1.5 px-2.5 transition duration-150ms ease-in-out">
21              <svg class="h-5 w-5" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-width="2" stroke-linecap="round" stroke-linejoin="round">
22                <path fill-rule="evenodd" d="M4.293 4.293a1 1 0 011.414 0L10.585 10H12a1 1 0 011 1v4a1 1 0 01-1 1h-4v4a1 1 0 01-1 1z"/>
23              </svg>
24            </button>
25          </div>
26        </div>

```

In un progetto reale?

- Non manutenibile
- Difficile da capire



Tailwind + tema in styles.scss

```
form button {  
    py-2 px-4 bg-gray-700 text-white rounded hover:bg-gray-600 focus:outline-  
none;  
}  
  
form .error {  
    text-red-500 text-sm;  
}  
  
a {  
    text-blue-400 hover:text-blue-500;  
}  
  
a.menu {  
    uppercase;  
}  
  
.card-sm {  
    bg-white w-full sm:max-w-sm sm:rounded-lg sm:shadow-md overflow-  
hidden;  
}  
  
.card-footer {  
    flex items-center justify-center py-4 bg-gray-100 text-center;  
}  
  
.table-container {  
    overflow-hidden border border-gray-200 sm:rounded-lg m-6;  
}  
table {  
    w-full divide-y divide-gray-200;  
}  
thead {  
    bg-gray-50;  
}  
th {  
    px-2 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider;  
}  
tbody {  
    bg-white text-xs divide-y divide-gray-200;  
}  
td {  
    px-2 py-4 whitespace nowrap;  
}
```



Tailwind + tema con @apply

```
form button {  
    @apply py-2 px-4 bg-gray-700 text-white rounded hover:bg-gray-600 focus:outline-  
none;  
}  
  
form .error {  
    @apply text-red-500 text-sm;  
}  
  
a {  
    @apply text-blue-400 hover:text-blue-500;  
}  
  
a.menu {  
    @apply uppercase;  
}  
  
.card-sm {  
    @apply bg-white w-full sm:max-w-sm sm:rounded-lg sm:shadow-md overflow-  
hidden;  
}  
  
.card-footer {  
    @apply flex items-center justify-center py-4 bg-gray-100 text-center;  
}  
  
.table-container {  
    @apply overflow-hidden border border-gray-200 sm:rounded-lg m-6;  
table {  
    @apply w-full divide-y divide-gray-200;  
}  
  
thead {  
    @apply bg-gray-50;  
th {  
    @apply px-2 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider;  
}  
}  
  
tbody {  
    @apply bg-white text-xs divide-y divide-gray-200;  
}  
  
td {  
    @apply px-2 py-4 whitespace nowrap;  
}
```



Tailwind: classi componente

```
<div class="table-container">  
  <table>  
    <thead>  
      <tr>  
        <th>Name</th>  
        <th>Surname</th>  
        <th>Email</th>
```



NAME	SURNAME	EMAIL
Sa	Ro	romeo84@gmail.com
Sal	Rom	info2@salvatoreromeo.com
Sal	Rom	info@salvatoreromeo.com

```
.table-container {  
  @apply overflow-hidden border border-gray-200 sm:rounded-lg m-6;  
}  
  
table {  
  @apply w-full divide-y divide-gray-200;  
}  
  
thead {  
  @apply bg-gray-50;  
  th {  
    @apply px-2 py-3 text-left text-xs font-medium text-gray-500 uppercase tracking-wider;  
  }  
}  
  
tbody {  
  @apply bg-white text-xs divide-y divide-gray-200;  
}  
  
td {  
  @apply px-2 py-4 whitespace nowrap;  
}
```



Tailwind: the best of both worlds

```
<div class="p-1 bg-yellow-50 text-yellow-600" *ngIf="copiedRoles.length > 0">
  <b>Roles ready to be pasted</b>. <br>
  Press <b>PASTE</b> button to apply roles to that user.<br>
  Delete Clipboard
  <button title="Empty clipboard" class="ml-1 action-xs" (click)="copiedRoles.length = 0">&times;</button>
</div>
```

```
<div class="table-container">
  <table>
```



Ricapitolando

- In produzione ho l'obiettivo di **manutenibilità e leggibilità**
- In produzione Tailwind da solo non basta
- Abbinato a SCSS: la **consistenza** di Tailwind + la **libertà** di CSS/SCSS
- **Classi componente:** `@apply` per isolare la parte di design nei fogli di stile
- Poche **Utility classes** nell'HTML senza sporcare il codice



Di cosa parleremo?

-  Cos'è Tailwind: punti di forza e debolezza
-  Tailwind in un progetto reale
-  I **problemi** con Tailwind
-  Un'estensione Chrome per risolvere i problemi di Tailwind
-  Come si sviluppa e pubblica un'estensione Chrome: dettagli tecnici
-  L'estensione e il progetto open source ReDevtools
-  Come finanziare il progetto open source ReDevtools

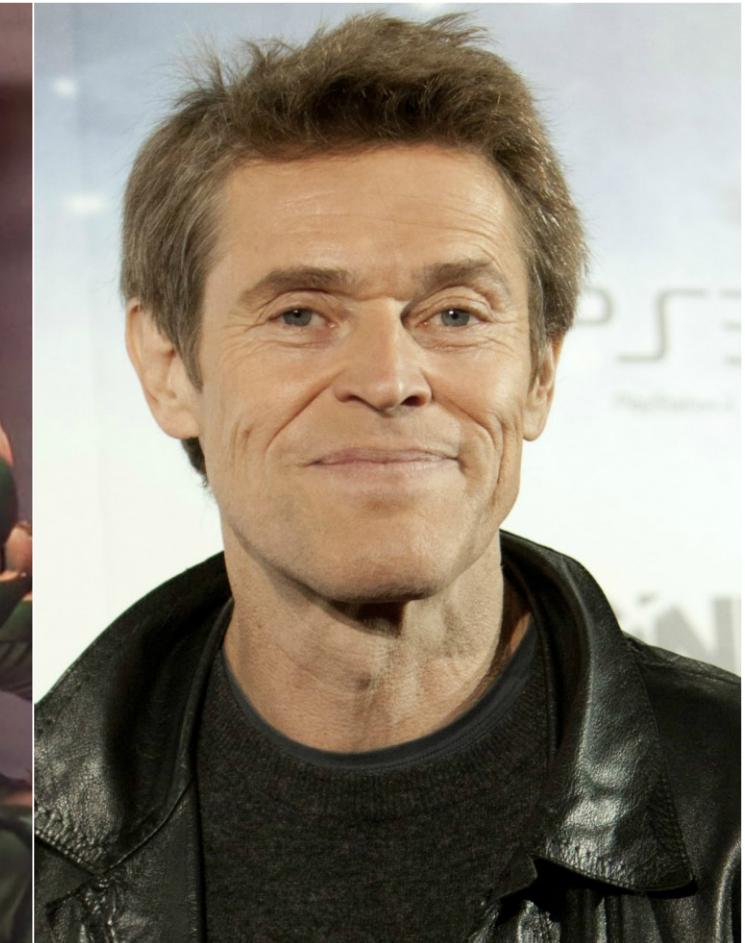


Siamo sviluppatori, non basta





Siamo sviluppatori, non basta





Siamo sviluppatori, non basta



«Developers deserve a better developer experience»
Dan Abramov



Dx e Tailwind: Problemi in fase di sviluppo

- Difficile **ricordare** i nomi delle classi
- Chrome non le suggerisce
- Abituato con Bootstrap (o altro framework)? In Tailwind **NON** ci sono **classi componente** per stilizzare interi componenti (.card, .alert, ...)
- Ok, bisogna **migliorare la DX** nell'uso di Tailwind



Dx e Tailwind: Problemi in fase di sviluppo

- Difficile ricordare i nomi delle classi
- Chrome non le suggerisce
- Abituato con Bootstrap (o altro framework)? In Tailwind NON ci sono classi per stilizzare interi componenti (.card, .alert, ...)
- Ok, bisogna migliorare la DX nell'uso di Tailwind
Non c'era nessuno strumento all'altezza. **L'ho fatto io 😊**



Ricapitolando

- Chrome non suggerisce le classi Tailwind
- **Modifiche live:** Chrome non ha i valori discreti di Tailwind
- Tailwind NON fornisce **classi ‘componente’** come .alert o .card



Di cosa parleremo?

-  Cos'è Tailwind: punti di forza e debolezza
-  Tailwind in un progetto reale
-  I problemi con Tailwind
-  Un'estensione **Chrome** per risolvere i problemi di Tailwind
-  Come si sviluppa e pubblica un'estensione Chrome: dettagli tecnici
-  L'estensione e il progetto open source ReDevtools
-  Come finanziare il progetto open source ReDevtools



Un inspector come in chrome, ma per le classi Tailwind

The screenshot shows a browser window with the URL `redevtools.com/docs/`. The page title is "ReDevTools - Extends DevTools With Custo...". The main content area displays the "ReDevTools" logo and a green banner with the text "Quick docs: 2 steps installation". Below this, there is sample code for installing the plugin:

```
npm install redevtools
import {redevtools} from "redevtools";
redevtools.init()
```

Under the "Intro" section, it says: "Extends the browser devtools with custom plugins directly from your localhost". It also lists some examples:

- Some examples:
- browse and edit requests from the console
- hook into methods and debug them easily
- transform JSON object to TypeScript interfaces
- Show in page Web Components and their status
- Every plugin is available in the plugins directory of this repo

On the right side of the browser window, the DevTools Network tab is open, showing a list of network requests. One request for "md.js.map" is highlighted with a yellow background, indicating an HTTP error with status code 404 and the message "net::ERR_UNKNOWN_URL_S E". Other requests listed include "1 = document.createElement nk", "<link>", and "1.rel = "stylesheet"".



Un tool per scegliere i valori discreti di colore/dimensione/ecc.

The screenshot shows the ReDevTools extension for a browser. On the left, there's a sidebar with CSS filters like ':hov .cls' and a '+' button. The main area displays a color palette with a gradient from dark red to black. A color wheel and a hex color code input field (#8e1818) are also present. To the right, a list of color-coded styles is shown:

text-red-00	color: rgba(254, 226, 226, 0.9)
text-red-100	color: rgba(254, 202, 202, 0.9)
text-red-200	color: rgba(252, 165, 165, 0.9)
text-red-300	color: rgba(248, 113, 113, 0.9)
text-red-400	color: rgba(239, 68, 68, 0.9)
text-red-500	color: rgba(220, 38, 38, 0.9)
text-red-600	color: rgba(185, 28, 28, 0.9)
text-red-700	color: rgba(153, 27, 27, 0.9)
text-red-800	color: rgba(127, 29, 29, 0.9)
text-red-900	color: rgba(117, 29, 29, 0.9)





Un tool per scegliere i valori discreti di colore/dimensione/ecc.

npm install redevtools

```
import {redevtools} from "redevtools";
redevtools.init()
```

Intro

Extends the browser devtools with custom plugins directly from your localhost:

Some examples:

browse and edit requests from the console

hook into methods and debug them easily

transform JSON object to TypeScript interfaces

Show in page Web Components and their status

Every plugin is available in the plugins directory of this repo

Getting started

Step 1

To install ReDevTools

npm install redevtools

This command install just the base tool without any plugin (just few KB).

Step 2

Then in your project:

```
import {redevtools} from "redevtools";
redevtools.init()
```



Un tool per non farci mancare le classi bootstrap

Extends the browser devtools with custom plugins directly from your localhost:

Some examples:

browse and edit requests from the console

hook into methods and debug them easily

transform JSON object to TypeScript interfaces

Show in page Web Components and their status

Every plugin is available in the plugins directory of this repo

Getting started

Step 1

To install ReDevTools

```
npm install redevtools
```

This command install just the base tool without any plugin (just few KB).

Step 2

Then in your project



Ricapitolando

- Necessità di migliorare il **processo di sviluppo (DX)** con Tailwind
- Un inspector che conosce Tailwind
 - **suggerisce** le classi
 - applica **gruppi di classi** per design complessi
 - mostra **live** le modifiche di colore/dimensione



Di cosa parleremo?

-  Cos'è Tailwind: punti di forza e debolezza
-  Tailwind in un progetto reale
-  I problemi con Tailwind
-  Un'estensione Chrome per risolvere i problemi di Tailwind
-  Come si **sviluppa e pubblica** un'estensione Chrome: dettagli tecnici
-  L'estensione e il progetto open source ReDevtools
-  Come finanziare il progetto open source ReDevtools



Com'è fatta l'estensione?



chrome web store

[Home page](#) > [Estensioni](#) > Tailwind Devtools Inspector



Tailwind Devtools Inspector

Offerto da: [redevtools.com](#)

★★★★★ 1

| [Strumenti per sviluppatori](#)





È complicato sviluppare un'estensione per Chrome?

main → redevtools / tailwind-devtools / extension / Go to file

salvatoreromeo Tailwind devtools inspector v2021-02 add breadcrumb navigation		48623aa on 5 Feb	History
..			
README.md	Add try by yourself description	2 months ago	
chrome.js	chrome extension v1	3 months ago	
icon.svg	Add Escape hotkey to hide the popup	2 months ago	
icon128.png	Add Escape hotkey to hide the popup	2 months ago	
icon16.png	Add Escape hotkey to hide the popup	2 months ago	
icon48.png	Add Escape hotkey to hide the popup	2 months ago	
manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
popup.js	chrome extension v1	3 months ago	
rdt_tailwind.umd.min.js	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
start.js	chrome extension v1	3 months ago	
twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
vue.js	chrome extension v1	3 months ago	



Separare l'estensione dall'app

main ➔ redevtools / tailwind-devtools / extension / Go to file

salvatoreromeo Tailwind devtools inspector v2021-02 add breadcrumb navigation		48623aa on 5 Feb	History
..			
📄 README.md	Add try by yourself description	2 months ago	
📄 chrome.js	chrome extension v1	3 months ago	
📄 icon.svg	Add Escape hotkey to hide the popup	2 months ago	
📄 icon128.png	Add Escape hotkey to hide the popup	2 months ago	
📄 icon16.png	Add Escape hotkey to hide the popup	2 months ago	
📄 icon48.png	Add Escape hotkey to hide the popup	2 months ago	
📄 manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
📄 popup.js	chrome extension v1	3 months ago	
📄 rdt_tailwind.umd.min.js	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
📄 start.js	chrome extension v1	3 months ago	
📄 twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
📄 vue.js	chrome extension v1	3 months ago	

 Estensione

 Applicativo Vue puro



Separare l'estensione dall'app

main ➔ redevtools / tailwind-devtools / extension / Go to file

salvatoreromeo Tailwind devtools inspector v2021-02 add breadcrumb navigation 48623aa on 5 Feb History

..

README.md	Add try by yourself description	2 months ago
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icon48.png	Add Escape hotkey to hide the popup	2 months ago
manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month
popup.js	chrome extension v1	
rdt_tailwind.umd.min.js	Tailwind devtools inspector v2021-02 add breadcrumb navigation	
start.js	chrome extension v1	
twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb navigation	
vue.js	chrome extension v1	

Estensione

Applicativo Vue puro

☰ Estensioni

Carica estensione non pacchettizzata  Crea pacchetto esteri



Separare l'estensione dall'app

main ➔ redevtools / tailwind-devtools / extension / Go to file

salv Chrome Web Store Developer Dashboard Publisher: one

REA Tailwind Devtools Inspector Stato: Pubblicato - Pubblico ID: ihkokciokaeljncgdpaibgafdpbocdab Carica nuovo pacchetto

chrom Pacchetto Pacchetto
icor Scheda dello Store Bozza Pubblicato
icor Norme di tutela della privacy Versione 1.0.5 Versione 1.0.5
icor Pagamenti e distribuzione Tipo di elemento Estensione Tipo di elemento Estensione
icor Statistiche Requisiti Nessun requisito Requisiti Nessun requisito
mar Valutazioni Autorizzazioni activeTab, host permission Autorizzazioni activeTab, host permission
main File CRX main.crx File CRX main.crx
pop Chiave pubblica Visualizza chiave pubblica Chiave pubblica Visualizza chiave pubblica
rdt_

start.js	chrome extension v1	3 months ago
twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month
vue.js	chrome extension v1	3 months ago



manifest.json

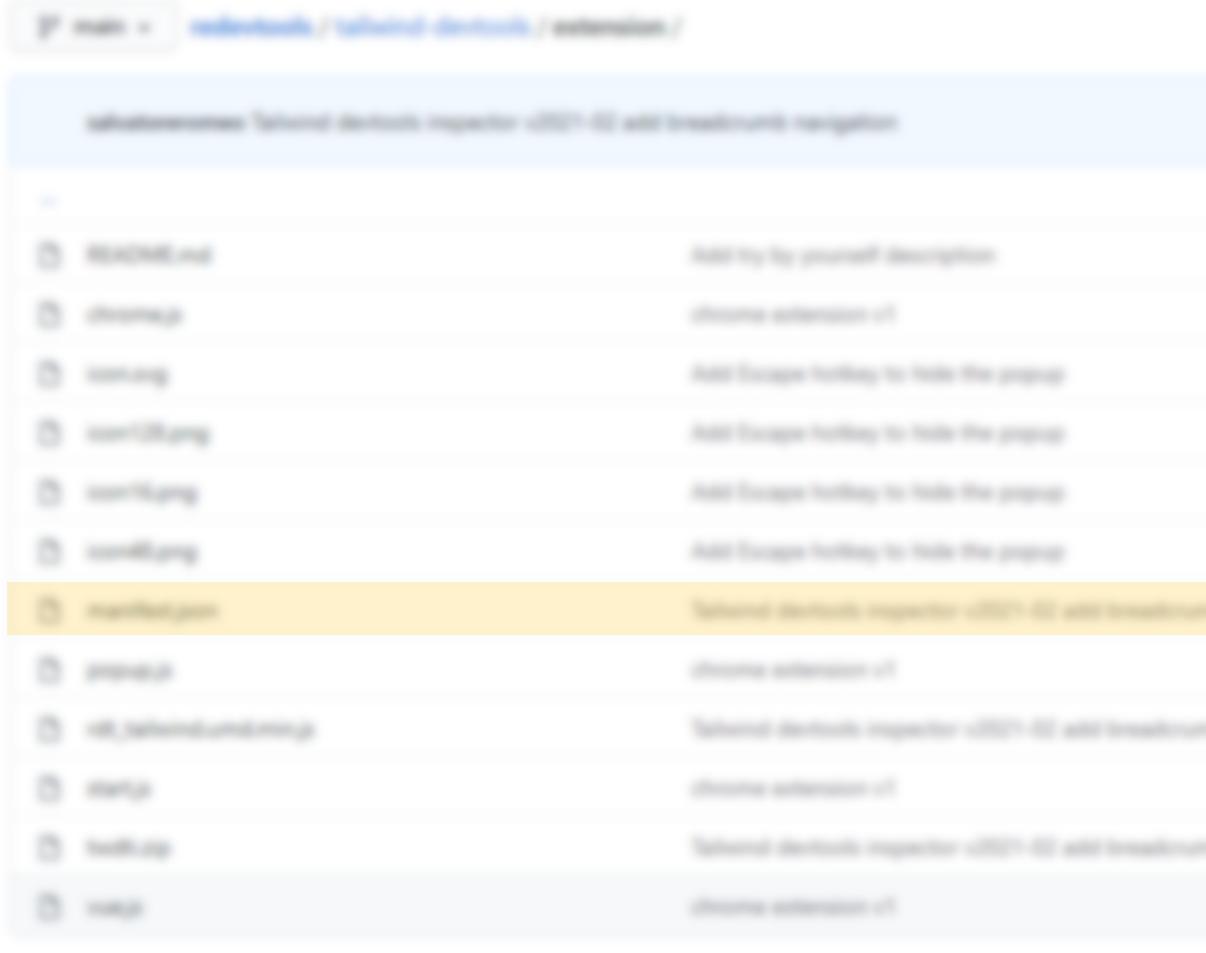
main ➔ redevtools / tailwind-devtools / extension /

salvatoreromeo Tailwind devtools inspector v2021-02 add breadcrumb navigation	
..	
README.md	Add try by yourself description
chrome.js	chrome extension v1
icon.svg	Add Escape hotkey to hide the popup
icon128.png	Add Escape hotkey to hide the popup
icon16.png	Add Escape hotkey to hide the popup
icon48.png	Add Escape hotkey to hide the popup
manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb
popup.js	chrome extension v1
rdt_tailwind.umd.min.js	Tailwind devtools inspector v2021-02 add breadcrumb
start.js	chrome extension v1
twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb
vue.js	chrome extension v1

```
{  
  "name": "Tailwind Devtools Inspector",  
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",  
  "version": "1.0.5",  
  "manifest_version": 2,  
  "permissions": [  
    "activeTab"  
>],  
  "background": {  
    "scripts": [  
      "chrome.js"  
>],  
    "persistent": false  
>},  
  "content_scripts": [  
    {  
      "matches": [  
        "http:///*/*",  
        "https:///*/*"  
>],  
      "js": [  
        "vue.js",  
        "rdt_tailwind.umd.min.js",  
        "start.js"  
>],  
      "run_at": "document_end"  
>}  
>],  
  "browser_action": {  
    "default_icon": "icon48.png"  
>},  
  "icons": {  
    "16": "icon16.png",  
    "48": "icon48.png",  
    "128": "icon128.png"  
>}  
}
```



manifest.json

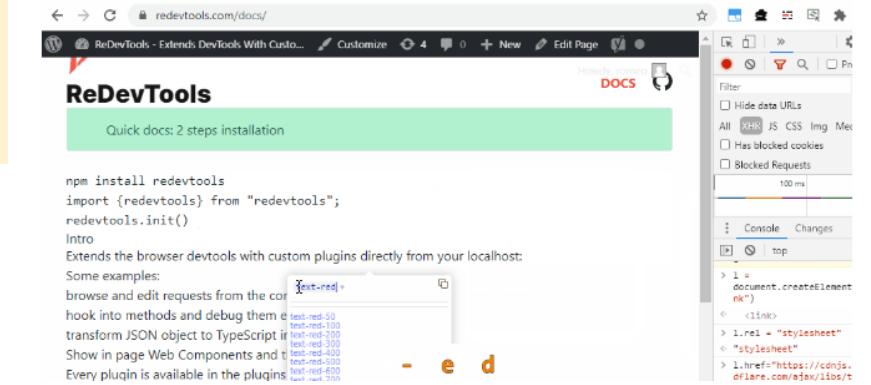


 **ReDevTools**

```
{
  "name": "Tailwind Devtools Inspector",
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",
  "version": "1.0.5",
  "manifest_version": 2,
```

```
"permissions": [
  "activeTab"
],
```

```
"background": {
  "scripts": [
    "chrome.js"
  ],
  "persistent": false
},
"content_scripts": [
  {
    "matches": [
      "http:///*",
      "https:///*"
    ],
    "js": [
      "vue.js",
      "rdt_tailwind.umd.min.js",
      "start.js"
    ],
    "run_at": "document_end"
  }
],
"browser_action": {
  "default_icon": "icon48.png"
},
"icons": {
  "16": "icon16.png",
  "48": "icon48.png",
  "128": "icon128.png"
}
```





.js di estensione

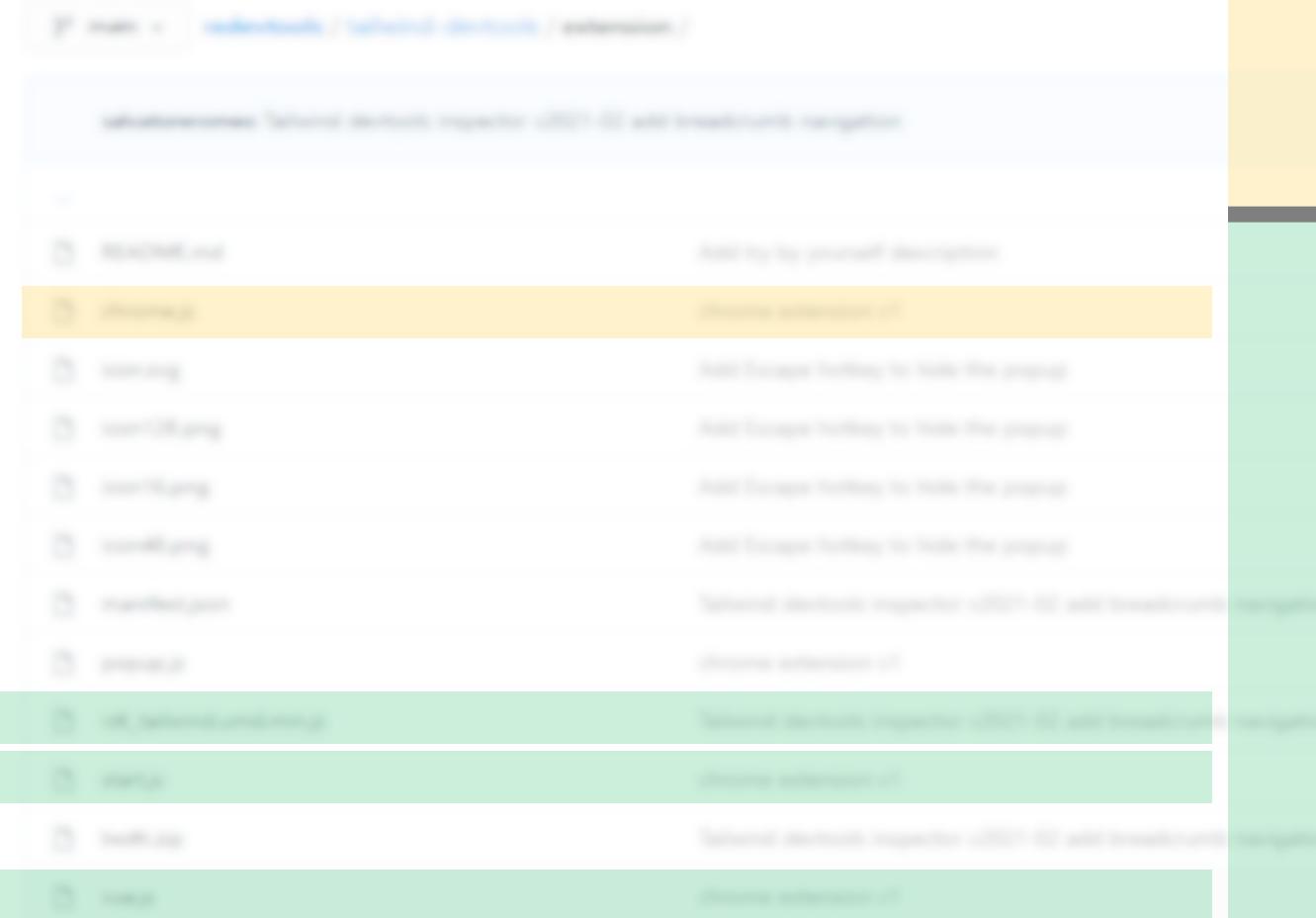
main ➔ redevtools / tailwind-devtools / extension /

salvatoreromeo Tailwind devtools inspector v2021-02 add breadcrumb navigation	
..	
📄 README.md	Add try by yourself description
📄 chrome.js	chrome extension v1
📄 icon.svg	Add Escape hotkey to hide the popup
📄 icon128.png	Add Escape hotkey to hide the popup
📄 icon16.png	Add Escape hotkey to hide the popup
📄 icon48.png	Add Escape hotkey to hide the popup
📄 manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb
📄 popup.js	chrome extension v1
📄 rdt_tailwind.umd.min.js	Tailwind devtools inspector v2021-02 add breadcrumb
📄 start.js	chrome extension v1
📄 twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb
📄 vue.js	chrome extension v1

```
{
  "name": "Tailwind Devtools Inspector",
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",
  "version": "1.0.5",
  "manifest_version": 2,
  "permissions": [
    "activeTab"
  ],
  "background": {
    "scripts": [
      "chrome.js"
    ],
    "persistent": false
  },
  "content_scripts": [
    {
      "matches": [
        "http:///*/*",
        "https:///*/*"
      ],
      "js": [
        "vue.js",
        "rdt_tailwind.umd.min.js",
        "start.js"
      ],
      "run_at": "document_end"
    }
  ],
  "browser_action": {
    "default_icon": "icon48.png"
  },
  "icons": {
    "16": "icon16.png",
    "48": "icon48.png",
    "128": "icon128.png"
  }
}
```



Isolamento



.js di estensione (con API Chrome)

chrome.js

popup.js

start.js

rdt_tailwind.umd
.min.js

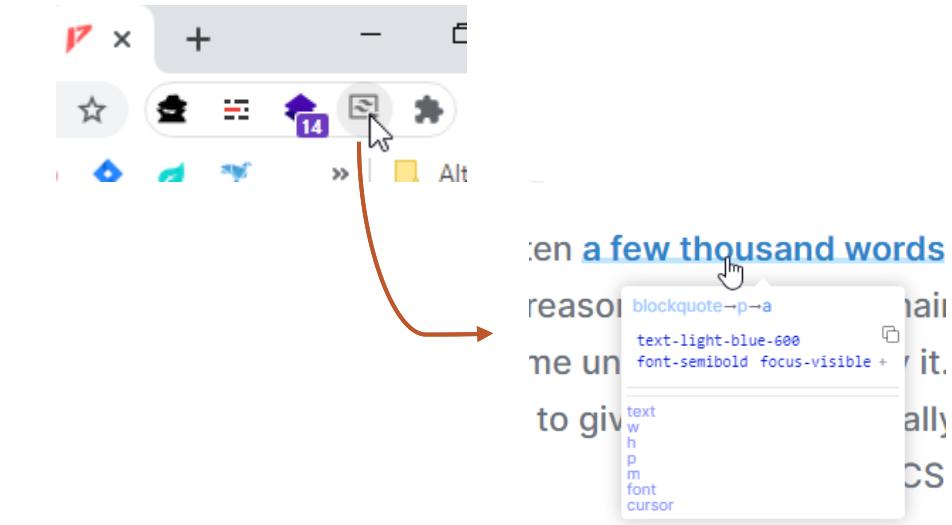
vue.js

.js di applicazione (senza API Chrome)



Obiettivo

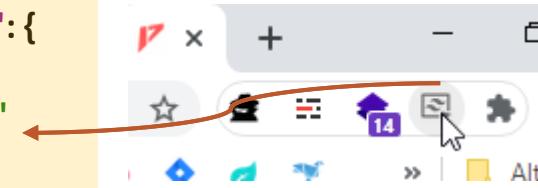
```
{  
  "name": "Tailwind Devtools Inspector",  
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",  
  "version": "1.0.5",  
  "manifest_version": 2,  
  "permissions": [  
    "activeTab"  
  ],  
  "background": {  
    "scripts": [  
      "chrome.js"  
    ],  
    "persistent": false  
  },  
  "content_scripts": [  
    {  
      "matches": [  
        "http:///*/*",  
        "https:///*/*"  
      ],  
      "js": [  
        "vue.js",  
        "rdt_tailwind.umd.min.js",  
        "start.js"  
      ],  
      "run_at": "document_end"  
    }  
  ],  
  "browser_action": {  
    "default_icon": "icon48.png"  
  },  
  "icons": {  
    "16": "icon16.png",  
    "48": "icon48.png",  
    "128": "icon128.png"  
  }  
}
```





.js di estensione

```
{  
  "name": "Tailwind Devtools Inspector",  
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",  
  "version": "1.0.5",  
  "manifest_version": 2,  
  "permissions": [  
    "activeTab"  
  ],  
  "background": {  
    "scripts": [  
      "chrome.js"  
    ],  
    "persistent": false  
  },  
  "content_scripts": [  
    {  
      "matches": [  
        "http:///*/*",  
        "https:///*/*"  
      ],  
      "js": [  
        "vue.js",  
        "rdt_tailwind.umd.min.js",  
        "start.js"  
      ],  
      "run_at": "document_end"  
    }  
  ],  
  "browser_action": {  
    "default_icon": "icon48.png"  
  },  
  "icons": {  
    "16": "icon16.png",  
    "48": "icon48.png",  
    "128": "icon128.png"  
  }  
}
```





.js di estensione

main ➔ redevtools / tailwind-devtools / extension /

..	
README.md	Add try by yourself description
chrome.js	chrome extension v1
icon.svg	Add Escape hotkey to hide the popup
icon128.png	Add Escape hotkey to hide the popup
icon16.png	Add Escape hotkey to hide the popup
icon48.png	Add Escape hotkey to hide the popup
manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb
popup.js	chrome extension v1
rdt_tailwind.umd.min.js	Tailwind devtools inspector v2021-02 add breadcrumb
start.js	chrome extension v1
twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb
vue.js	chrome extension v1

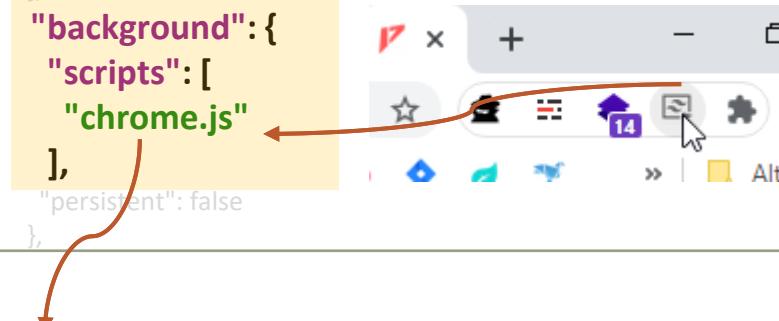
```
{  
  "name": "Tailwind Devtools Inspector",  
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",  
  "version": "1.0.5",  
  "manifest_version": 2,  
  "permissions": [  
    "activeTab"  
  ],  
  "background": {  
    "scripts": [  
      "chrome.js"  
    ],  
    "persistent": false  
  },  
  "content_scripts": [  
    {  
      "matches": [  
        "http:///*/*",  
        "https:///*/*"  
      ],  
      "js": [  
        "vue.js",  
        "rdt_tailwind.umd.min.js",  
        "start.js"  
      ],  
      "run_at": "document_end"  
    },  
    {  
      "browser_action": {  
        "default_icon": "icon48.png"  
      },  
      "icons": {  
        "16": "icon16.png",  
        "48": "icon48.png",  
        "128": "icon128.png"  
      }  
    }  
  }  
}
```



.js di estensione

```
//chrome.js  
chrome.browserAction.onClicked.addListener(function(tab) { chrome.tabs.executeScript({file: 'popup.js'});});
```

```
{  
  "name": "Tailwind Devtools Inspector",  
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",  
  "version": "1.0.5",  
  "manifest_version": 2,  
  "permissions": [  
    "activeTab"  
  ],  
  "background": {  
    "scripts": [  
      "chrome.js"  
    ],  
    "persistent": false  
  },  
  "icons": {  
    "16": "icon16.png",  
    "48": "icon48.png",  
    "128": "icon128.png"  
  }  
}
```





.js di estensione

main ▾ redevtools / tailwind-devtools / extension / Go to file

salvatoreromeo Tailwind devtools inspector v2021-02 add breadcrumb navigation		48623aa on 5 Feb	History
..			
📄 README.md	Add try by yourself description	2 months ago	
📄 chrome.js	chrome extension v1	3 months ago	
📄 icon.svg	Add Escape hotkey to hide the popup	2 months ago	
📄 icon128.png	Add Escape hotkey to hide the popup	2 months ago	
📄 icon16.png	Add Escape hotkey to hide the popup	2 months ago	
📄 icon48.png	Add Escape hotkey to hide the popup	2 months ago	
📄 manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
📄 popup.js	chrome extension v1	3 months ago	
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📄 start.js	chrome extension v1	3 months ago	
📄 twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month	
📄 vue.js	chrome extension v1	3 months ago	



.js di estensione

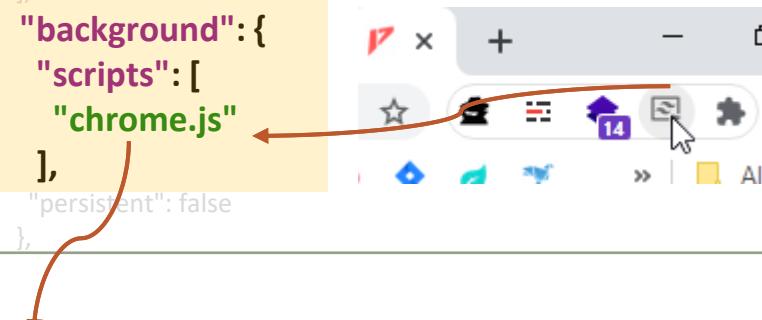
```
//chrome.js
```

```
chrome.browserAction.onClicked.addListener(function(tab) { chrome.tabs.executeScript({file: 'popup.js'}));
```

```
//popup.js
```

```
var elt = document.createElement("script");
elt.innerHTML = "window.postMessage({ type: \"FROM_PAGE\", enabled: true }, \"*\");"
document.head.appendChild(elt);
```

```
16: "icon16.png",
"48": "icon48.png",
"128": "icon128.png"
}
```

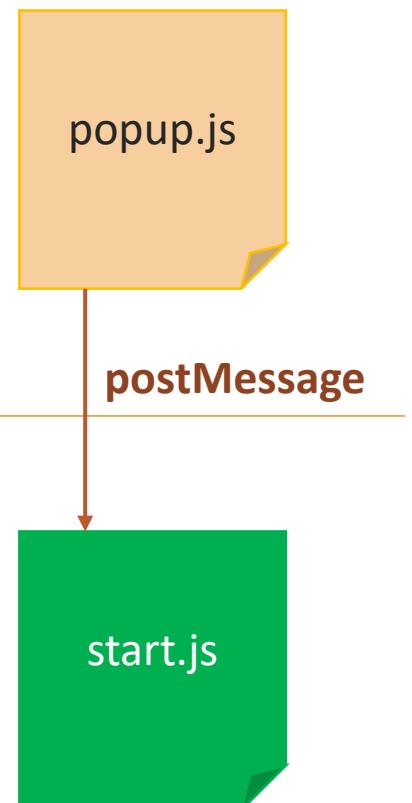




Comunicazione postMessage

main ➔ redevtools / tailwind-devtools / extension / Go to file

salvatoreromeo Tailwind devtools inspector v2021-02 add breadcrumb navigation		48623aa on 5 Feb History
..		
📄 README.md	Add try by yourself description	2 months ago
📄 chrome.js	chrome extension v1	3 months ago
📄 icon.svg	Add Escape hotkey to hide the popup	2 months ago
📄 icon128.png	Add Escape hotkey to hide the popup	2 months ago
📄 icon16.png	Add Escape hotkey to hide the popup	2 months ago
📄 icon48.png	Add Escape hotkey to hide the popup	2 months ago
📄 manifest.json	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month
📄 popup.js	chrome extension v1	3 months ago
📄 rdt_tailwind.umd.min.js	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month
📄 start.js	chrome extension v1	3 months ago
📄 twdti.zip	Tailwind devtools inspector v2021-02 add breadcrumb navigation	last month
📄 vue.js	chrome extension v1	3 months ago





Avvio inspector

```
//start.js

var div = document.createElement("div");
div.id = "redevtools-tailwind";
document.body.appendChild(div);
Vue.createApp(rdt_tailwind).mount('#redevtools-tailwind');

window.addEventListener("message", function(event) {
  // We only accept messages from ourselves
  if (event.source != window)
    return;

  if (event.data.type && (event.data.type == "FROM_PAGE")) {
    window.rdt_tailwind_options = window.rdt_tailwind_options || {};
    window.rdt_tailwind_options.enabled = event.data.enabled
  }
}, false);
```

```
//popup.js
var elt = document.createElement("script");
elt.innerHTML = "window.postMessage({ type: \"FROM_PAGE\", enabled: true }, \"*\")";
document.head.appendChild(elt);
```



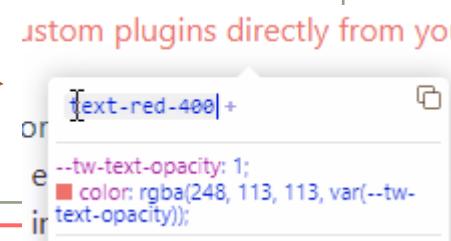
Avvio inspector

```
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var div = document.createElement("div");
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    window.rdt_tailwind_options = window.rdt_tailwind_options || {}
    window.rdt_tailwind_options.enabled = event.data.enabled
  }
}, false);
```





.js applicativo

//start.js

```
var div = document.createElement("div");
div.id = "redevtools-tailwind";
document.body.appendChild(div);
Vue.createApp(rdt_tailwind).mount('#redevtools-tailwind');

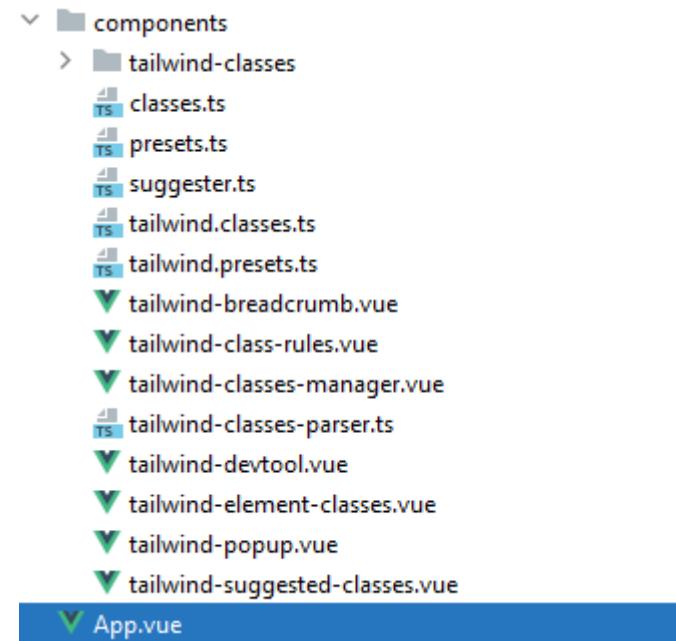
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  // We only accept messages from ourselves
  if (event.source != window)
    return;

  if (event.data.type && (event.data.type == "FROM_PAGE")) {
    window.rdt_tailwind_options = window.rdt_tailwind_options || {}
    window.rdt_tailwind_options.enabled = event.data.enabled
  }
}, false);
```

```
{
  "name": "Tailwind Devtools Inspector",
  "description": "Tailwind Devtools for Chrome - by Buglink and ReDevtools",
  "version": "1.0.5",
  "manifest_version": 2,
  "permissions": [
    "activeTab"
  ],
  "background": {
    "scripts": [
      "chrome.js"
    ],
    "persistent": false
  },
  "content_scripts": [
    {
      "matches": [
        "http:///*/*",
        "https:///*/*"
      ],
      "js": [
        "vue.js",
        "rdt_tailwind.umd.min.js",
        "start.js"
      ],
      "run_at": "document_end"
    }
  ],
  "browser_action": {
    "default_icon": "icon48.png"
  },
  "icons": {
    "16": "icon16.png",
    "48": "icon48.png",
    "128": "icon128.png"
  }
}
```



Inspector



<https://github.com/redevtools/redevtools/tree/main/tailwind-devtools>



Ricapitolando

- **Estensione Chrome** = icone + manifest + js
- Separazione netta tra
 - **JS di estensione** (API chrome) per interagire con Chrome
 - **JS applicativi** (senza API chrome) per interagire con la pagina
- Comunicazione con **postMessage**



Di cosa parleremo?

-  Cos'è Tailwind: punti di forza e debolezza
-  Tailwind in un progetto reale
-  I problemi con Tailwind
-  Un'estensione Chrome per risolvere i problemi di Tailwind
-  Come si sviluppa e pubblica un'estensione Chrome: dettagli tecnici
-  L'estensione e il progetto open source **ReDevtools**
-  Come finanziare il progetto open source ReDevtools



Cosa è l'estensione ora?

A screenshot of a Google search results page. The search bar at the top contains the query "tailwind devtools". Below the search bar, there are several navigation links: "Tutti" (highlighted in blue), "Immagini", "Notizie", "Video", "Shopping", "Altro", "Impostazioni", and "Strumenti". A status message indicates "Circa 569.000 risultati (0,61 secondi)". The first result is a link to "ui-devtools.com" titled "UI Devtools for Tailwind CSS", which includes a snippet of text about the developer and their role as a frontend developer. The second result is a link to "chrome.google.com" titled "Tailwind Devtools", with a snippet about the developer tools for Tailwind CSS. The third result is a link to "github.com" titled "Tailwind Devtools Inspector", with a snippet about the inspection tool for Tailwind CSS.

tailwind devtools

X | 🔍

Tutti Immagini Notizie Video Shopping Altro Impostazioni Strumenti

Circa 569.000 risultati (0,61 secondi)

[ui-devtools.com](#) ▾ Traduci questa pagina

UI Devtools for Tailwind CSS

The missing browser **devtools** for **Tailwind** CSS. Watch a demo or [Read on](#). Hi, I'm Sid. I'm a frontend developer. I spend most of my coding time writing state logic ...

[chrome.google.com](#) ▾ detail ▾ leh... ▾ Traduci questa pagina

Tailwind Devtools

6 lug 2020 — **Developer Tools**, 469 users. Overview. A sidebar pane for **Tailwind** CSS classes. This extension adds a sidebar pane for your **Tailwind** CSS ...

[chrome.google.com](#) ▾ detail ▾ ihk... ▾ Traduci questa pagina

Tailwind Devtools Inspector

23 feb 2021 — **Tailwind Devtools** for Chrome - by Buglink and ReDevtools. [NEW VERSION - 2021-02-23] - Fix inspection bug (sometime the tool inspected a ...

[github.com](#) ▾ petermekhaeil ▾ tail... ▾ Traduci questa pagina



Cosa è l'estensione ora?

tailwind devtools

X | 🔍

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chrome.google.com › detail › ieh... ▾ Traduci questa pagina

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github.com › petermekhail › tail... ▾ Traduci questa pagina

 **Tailwind Devtools**

Offerto da: Boy with Silver Wings

★★★★★ 4 | [Strumenti per sviluppatori](#) |  482 utenti

 **Tailwind Devtools Inspector**

Offerto da: [redevtools.com](#)

★★★★★ 1 | [Strumenti per sviluppatori](#) |  165 utenti



Dicevamo della DX

Tailwind Devtools Inspector fa parte di **ReDevtools**

ReDevtools vuole essere quello di cui uno sviluppatore ha bisogno e ancora manca per **migliorare la DX** (grazie Dan Abramov)

Oggi TDI, domani?



Quanto possiamo contribuire all'ecosistema front-end?

Quanti **tool** servono allo sviluppatore nella console?

- Conversione da JSON a .ts direttamente dalla console?
- Una funzione per il decode del jwt con un solo comando?
- ...

Quanto codice scriviamo che potrebbe essere generato automaticamente?

- **Meno codice** significa meno errori ;-)
- Meno codice significa meno cose da manutenere
- Chiamate HTTP type safe?
- Query type safe?



La vision di ReDevtools



Migliorare la DX

Tool per semplificare lo
sviluppo

Tool per velocizzare e
rendere più efficace il
processo di sviluppo



Ricapitolando

- DX: Se ci metto 1s a fare qualcosa, ma la faccio 100 volte al giorno, ho un **problema**
- I margini di **miglioramento della DX** sono ampi
- Con pochi **strumenti, librerie e tecniche** potremo impattare di molto la DX
- **ReDevtools**



Di cosa parleremo?

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-  Come si sviluppa e pubblica un'estensione Chrome: dettagli tecnici
-  L'estensione e il progetto open source ReDevtools
-  Come **finanziare il progetto open source** ReDevtools

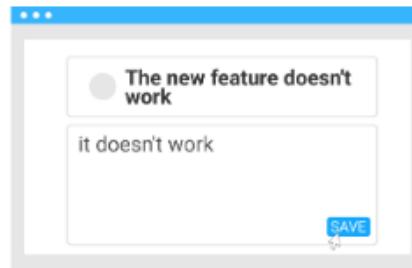


ReDevtools è open source Come finanziarlo?



Don't ask your users to write a good bug report. They won't!

OPENING A BUG



- Add a title (1 min)
- Add a description (10 min)
- Add the steps to replicate the bug (10 min)
~~BUGLINK takes care of it ✓~~
- Add a screenshot (10 min)
~~BUGLINK takes care of it ✓~~
- Add your device and environment details (10 min)
~~BUGLINK takes care of it ✓~~
- Add some technical details like HTTP calls (15 min)
~~BUGLINK takes care of it ✓~~
- Talk again with the developer for some missing information (30 min)
~~BUGLINK takes care of it ✓~~

SAVE 20-50 MINUTES WHEN OPENING A BUG

FIXING A BUG



- No screenshot... call the tester (20 min)
~~BUGLINK takes care of it ✓~~
- No steps to reproduce the bug... call the tester (20 min)
~~BUGLINK takes care of it ✓~~
- Try to replicate the bug in a different environment (30 min)
~~BUGLINK takes care of it ✓~~
- HTTP requests analysis (20 min)
~~BUGLINK takes care of it ✓~~
- Actually fix the bug code (3 hours)

SAVE 30-70 MINUTES WHEN FIXING A BUG

 **BUGLINK**
DON'T WASTE TIME WITH BUGS

Session Device Notes

Device: Desktop
os: Windows 10
browser: Chrome 87.0.4280.66
engine: Blink 87.0.4280.66
cpu: amd64
userAgent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
screenAvailHeight: 1050
screenAvailWidth: 1920
screenColorDepth: 24
screenHeight: 1080
screenWidth: 1920
screenPixelDepth: 24
screenOrientation: landscape-primary 0
dpi: 1
timeZone: Europe/Rome
timeZoneOffset: -60
language: it-IT
platform: Win32
vendor: Google Inc.
cpuCores: 8
gpu: WebKit WebGL / ANGLE (Intel(R) UHD Graphics 620 Direct3D11 vs_5_0 ps_5_0)

Network LocalStorage SessionStorage Cookies

Name	Method/Status	Request	Response	Time
api/v1/profile/currencies/	GET/200	{"metho... {"timest... 0.1s		
URL: http://qpointpp.qberg.com/api/v1/profile/currencies				
Method/Status: GET/200				
Time: 0.1s				
► request: {"method": "GET", "url": "http://qpointpp.qberg.com/api/v1/profile/currencies"}				
► response: {"timestamp": 1606213082820, "headers": {"access-control-allow-methods": "PC", "content-type": "application/json", "date": "Tue, 21 Jun 2022 11:04:40 GMT", "server": "nginx/1.18.0", "vary": "Accept-Encoding"}, "status": 200, "url": "http://qpointpp.qberg.com/api/v1/profile/currencies"}				
api/v1/registry/userConfiguration/	GET/200	{"metho... {"timest... 0.1s		
api/v1/registry/userConfiguration/	GET/200	{"metho... {"timest... 0.2s		
api/v1/registry/userConfiguration/	GET/200	{"metho... {"timest... 0.2s		
api/v1/domain/all/	GET/200	{"metho... {"timest... 0.2s		
assets/i18n/it_2.json/	GET/200	{"metho... {"timest... 0.3s		
api/v1/registry/userConfiguration/	GET/200	{"metho... {"timest... 0.4s		
assets/i18n/it_2.json/	GET/200	{"metho... {"timest... 0.4s		

http://qpointpp.qberg.com/#/research/advanced

diabolik

FLYER STORE WEB PROMO WEB NEWS AD HOC

RICERCA 1

Domino Web DIGITA

Filtri

Tip: you can inspect the DOM in the video using the Chrome Devtool

The screenshot shows the ReDevTools interface. On the left, there's a sidebar with device information and a network tab displaying API requests. In the center, there's a browser window showing a search interface with a 'Ricerca 1' panel containing 'Domino' and 'Web DIGITA' fields, and a 'Filtri' section. A yellow tip box at the bottom right says 'Tip: you can inspect the DOM in the video using the Chrome Devtool'. The top right corner shows a user profile icon.



Concludendo

- Abbiate il coraggio di provare Tailwind
- Abbiate il coraggio di provare nuove tecnologie e poi usarle o **scartarle**
- Abbiate il coraggio di **creare quello che vi serve** e condividerlo

Grazie



Vuoi far parte di Redevtools e Buglink?

- Sei un **aspirante sviluppatore**? Contattami
- Sei uno **sviluppatore**? Contattami
- Ti occupi di **marketing**? Contattami
- Ti occupi di **vendite**? Contattami

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linkedin.com/in/salvatoreromeo

