

```
<meta property="og:url" content="https://github.com">
<meta property="og:site_name" content="GitHub">
<meta property="og:title" content="Build software better, together">
<meta property="og:description" content="GitHub is where people build software. More than 4
0 million people use GitHub to discover, fork, and contribute to over 100 million projects.
">
<meta property="og:image" content="https://github.githubassets.com/images/modules/open_grap
h/github-logo.png">
<meta property="og:image:type" content="image/png">
<meta property="og:image:width" content="1200">
<meta property="og:image:height" content="1200">
<meta property="og:image" content="https://github.githubassets.com/images/modules/open_grap
h/github-mark.png">
<meta property="og:image:type" content="image/png">
<meta property="og:image:width" content="1200">
<meta property="og:image:height" content="620">
<meta property="og:image" content="https://github.githubassets.com/images/modules/open_grap
h/github-octocat.png">
<meta property="og:image:type" content="image/png">
<meta property="og:image:width" content="1200">
<meta property="og:image:height" content="620">

<meta property="twitter:site" content="github">
<meta property="twitter:site:id" content="13334762">
<meta property="twitter:creator" content="github">
<meta property="twitter:creator:id" content="13334762">
<meta property="twitter:card" content="summary_large_image">
<meta property="twitter:title" content="GitHub">
<meta property="twitter:description" content="GitHub is where people build software. More t
han 40 million people use GitHub to discover, fork, and contribute to over 100 million proj
ects.">
<meta property="twitter:image:src" content="https://github.githubassets.com/images/modules/
open_graph/github-logo.png">
<meta property="twitter:image:width" content="1200">
<meta property="twitter:image:height" content="1200">

  <meta name="google-site-verification" content="KT5gs8h0wvaagLKAVWq8bbeNwnZZK1r1XQysX3xurL
U">
<meta name="google-site-verification" content="ZzhVyEFwb7w3e0-u0Tlrm8Jsck2F5StVihD0exw2fsA"
>
<meta name="google-site-verification" content="GXs5KoUUkNCoaAZn7wPN-t01Pywp9M3sEjnt_3_ZWPc"
>

<meta name="google-analytics" content="UA-3769691-2">

  <meta name="hostname" content="github.com">
<meta name="user-login" content="">
```

```
<meta name="expected-hostname" content="github.com">
```

```
<meta name="enabled-features" content="MARKETPLACE_FEATURED_BLOG_POSTS,MARKETPLACE_INVOICED
_BILLING,MARKETPLACE_SOCIAL_PROOF_CUSTOMERS,MARKETPLACE_TRENDING_SOCIAL_PROOF,MARKETPLACE_R
ECOMMENDATIONS,MARKETPLACE_PENDING_INSTALLATIONS,RELATED_ISSUES">
```

```
<link crossorigin="anonymous" media="all" integrity="sha512-DnBQhWgJ7icZU4LPhD6FlaZ9IrB0m
bP4/4bEfpGQRbCLwutaFNqbuAaM8Y/w7IygRCMuOybM7fLDGe+UV9TEjQ==" rel="stylesheet" href="https:/
/github.githubassets.com/assets/site-0e7050856189ee27195382cf843e8595.css" />
```

```
<header class="Header-old header-logged-out js-details-container Details position-relat
ive f4 py-2" role="banner">
```

```
<div class="d-lg-none css-truncate css-truncate-target width-fit p-2">
```

```
</div>
```

```
<div class="d-flex flex-items-center">
```

```
<a href="/join?source=header"
class="d-inline-block d-lg-none f5 text-white no-underline border border-gray
-dark rounded-2 px-2 py-1 mr-3 mr-sm-5"
data-hydro-click="{&quot;event_type&quot;:&quot;authentication.click&quot;,&q
uot;payload&quot;:{&quot;location_in_page&quot;:&quot;site header&quot;,&quot;repositor
y_id&quot;:null,&quot;auth_type&quot;:&quot;SIGN_UP&quot;,&quot;originating_url&quot;:&
quot;https://github.com/nevakee716/cwLayoutCompare/wiki/Home.md&quot;,&quot;user_id&quo
t;:null}}" data-hydro-click-hmac="5ff60b48a62e9e40d12224b5af9ce404214fe9229e3d6973b4a83
c5a7b200b81"
data-ga-click="(Logged out) Header, clicked Sign up, text:sign-up">
Sign&nbsp;up
</a>
```

```
<button class="btn-link d-lg-none mt-1 js-details-target" type="button" aria-labe
l="Toggle navigation" aria-expanded="false">
```

```
<svg height="24" class="octicon octicon-three-bars text-white" viewBox="0 0 12
16" version="1.1" width="18" aria-hidden="true"><path fill-rule="evenodd" d="M11.41 9H.
59C0 9 0 8.59 0 8c0-.59 0-1 .59-1H11.4c.59 0 .59.41.59 1 0 .59 0 1-.59 1h.01zm0-4H.59C0
5 0 4.59 0 4c0-.59 0-1 .59-1H11.4c.59 0 .59.41.59 1 0 .59 0 1-.59 1h.01zM.59 11H11.4c
.59 0 .59.41.59 1 0 .59 0 1-.59 1H.59C0 13 0 12.59 0 12c0-.59 0-1 .59-1z"/></svg>
```

```
</button>
```

```
</div>
```

```
</div>
```

```
<div class="HeaderMenu HeaderMenu--logged-out position-fixed top-0 right-0 bottom-0 hei
ght-fit position-lg-relative d-lg-flex flex-justify-between flex-items-center flex-auto
">
```

```
<div class="d-flex d-lg-none flex-justify-end border-bottom bg-gray-light p-3">
```

```
<button class="btn-link js-details-target" type="button" aria-label="Toggle navigat
ion" aria-expanded="false">
```

```
<svg height="24" class="octicon octicon-x text-gray" viewBox="0 0 12 16" version=
```

```

"1.1" width="18" aria-hidden="true"><path fill-rule="evenodd" d="M7.48 813.75 3.75-1.48
1.48L6 9.481-3.75 3.75-1.48-1.48L4.52 8 .77 4.2511.48-1.48L6 6.5213.75-3.75 1.48 1.48L
7.48 8z"/></svg>
</button>
</div>

<nav class="mt-0 px-3 px-lg-0 mb-5 mb-lg-0" aria-label="Global">
  <ul class="d-lg-flex list-style-none">
    <li class="d-block d-lg-flex flex-lg-nowrap flex-lg-items-center border-botto
m border-lg-bottom-0 mr-0 mr-lg-3 edge-item-fix position-relative flex-wrap flex-justif
y-between d-flex flex-items-center ">
      <details class="HeaderMenu-details details-overlay details-reset width-full
">
        <summary class="HeaderMenu-summary HeaderMenu-link px-0 py-3 border-0 no-
wrap d-block d-lg-inline-block">
          Why GitHub?
          <svg x="0px" y="0px" viewBox="0 0 14 8" xml:space="preserve" fill="none
" class="icon-chevron-down-mktg position-absolute position-lg-relative">
            <path d="M1,116.2,6L13,1"></path>
          </svg>
        </summary>
        <div class="dropdown-menu flex-auto rounded-1 bg-white px-0 mt-0 pb-4 p-l
g-4 position-relative position-lg-absolute left-0 left-lg-n4">
          <a href="/features" class="py-2 lh-condensed-ultra d-block link-gray-da
rk no-underline h5 Bump-link--hover" data-ga-click="(Logged out) Header, go to Features
">Features <span class="Bump-link-symbol float-right text-normal text-gray-light">&rarr
; </span></a>
          <ul class="list-style-none f5 pb-3">
            <li class="edge-item-fix"><a href="/features/code-review/" class="py-
2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Hea
der, go to Code review">Code review</a></li>
            <li class="edge-item-fix"><a href="/features/project-management/" cla
ss="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged o
ut) Header, go to Project management">Project management</a></li>
            <li class="edge-item-fix"><a href="/features/integrations" class="py-
2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Hea
der, go to Integrations">Integrations</a></li>
            <li class="edge-item-fix"><a href="/features/actions" class="py-2 lh-
condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header,
go to Actions">Actions</a></li>
            <li class="edge-item-fix"><a href="/features/packages" class="py-
2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Hea
der, go to GitHub Packages">Packages</a></li>
            <li class="edge-item-fix"><a href="/features/security" class="py-2 lh
-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header,
go to Security">Security</a></li>
            <li class="edge-item-fix"><a href="/features#team-management" class="
py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out)
Header, go to Team management">Team management</a></li>
            <li class="edge-item-fix"><a href="/features#hosting" class="py-2 lh-
condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header,
go to Code hosting">Hosting</a></li>
          </ul>
        </div>
      </li>
    </ul>
  </nav>

```

```

        <ul class="list-style-none mb-0 border-lg-top pt-lg-3">
            <li class="edge-item-fix"><a href="/customer-stories" class="py-2 lh-condensed-ultra d-block no-underline link-gray-dark no-underline h5 Bump-link--hover" data-ga-click="(Logged out) Header, go to Customer stories">Customer stories <span class="Bump-link-symbol float-right text-normal text-gray-light">&rarr;</span></a></li>
            <li class="edge-item-fix"><a href="/security" class="py-2 lh-condensed-ultra d-block no-underline link-gray-dark no-underline h5 Bump-link--hover" data-ga-click="(Logged out) Header, go to Security">Security <span class="Bump-link-symbol float-right text-normal text-gray-light">&rarr;</span></a></li>
        </ul>
    </div>
</details>
</li>
<li class="border-bottom border-lg-bottom-0 mr-0 mr-lg-3">
    <a href="/enterprise" class="HeaderMenu-link no-underline py-3 d-block d-lg-inline-block" data-ga-click="(Logged out) Header, go to Enterprise">Enterprise</a>
</li>

<li class="d-block d-lg-flex flex-lg-nowrap flex-lg-items-center border-bottom border-lg-bottom-0 mr-0 mr-lg-3 edge-item-fix position-relative flex-wrap flex-justify-between d-flex flex-items-center ">
    <details class="HeaderMenu-details details-overlay details-reset width-full">
        <summary class="HeaderMenu-summary HeaderMenu-link px-0 py-3 border-0 nowrap d-block d-lg-inline-block">
            Explore
            <svg x="0px" y="0px" viewBox="0 0 14 8" xml:space="preserve" fill="none" class="icon-chevron-down-mktg position-absolute position-lg-relative">
                <path d="M1,116.2,6L13,1"></path>
            </svg>
        </summary>

        <div class="dropdown-menu flex-auto rounded-1 bg-white px-0 pt-2 pb-0 mt-0 pb-4 p-lg-4 position-relative position-lg-absolute left-0 left-lg-n4">
            <ul class="list-style-none mb-3">
                <li class="edge-item-fix"><a href="/explore" class="py-2 lh-condensed-ultra d-block link-gray-dark no-underline h5 Bump-link--hover" data-ga-click="(Logged out) Header, go to Explore">Explore GitHub <span class="Bump-link-symbol float-right text-normal text-gray-light">&rarr;</span></a></li>
            </ul>

            <h4 class="text-gray-light text-normal text-mono f5 mb-2 border-lg-top pt-lg-3">Learn & contribute</h4>
            <ul class="list-style-none mb-3">
                <li class="edge-item-fix"><a href="/topics" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to Topics">Topics</a></li>
                <li class="edge-item-fix"><a href="/collections" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to Collections">Collections</a></li>
                <li class="edge-item-fix"><a href="/trending" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to Tr

```

```

ending">Trending</a></li>
    <li class="edge-item-fix"><a href="https://lab.github.com/" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to Learning lab">Learning Lab</a></li>
    <li class="edge-item-fix"><a href="https://opensource.guide" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to Open source guides">Open source guides</a></li>
  </ul>

  <h4 class="text-gray-light text-normal text-mono f5 mb-2 border-lg-top pt-lg-3">Connect with others</h4>
  <ul class="list-style-none mb-0">
    <li class="edge-item-fix"><a href="https://github.com/events" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to Events">Events</a></li>
    <li class="edge-item-fix"><a href="https://github.community" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to Community forum">Community forum</a></li>
    <li class="edge-item-fix"><a href="https://education.github.com" class="py-2 pb-0 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out) Header, go to GitHub Education">GitHub Education</a></li>
  </ul>
</div>
</details>
</li>

<li class="border-bottom border-lg-bottom-0 mr-0 mr-lg-3">
  <a href="/marketplace" class="HeaderMenu-link no-underline py-3 d-block d-lg-inline-block" data-ga-click="(Logged out) Header, go to Marketplace">Marketplace</a>
</li>

<li class="d-block d-lg-flex flex-lg-nowrap flex-lg-items-center border-bottom border-lg-bottom-0 mr-0 mr-lg-3 edge-item-fix position-relative flex-wrap flex-justify-between d-flex flex-items-center ">
  <details class="HeaderMenu-details details-overlay details-reset width-full">
    <summary class="HeaderMenu-summary HeaderMenu-link px-0 py-3 border-0 no-wrap d-block d-lg-inline-block">
      Pricing
      <svg x="0px" y="0px" viewBox="0 0 14 8" xml:space="preserve" fill="none" class="icon-chevron-down-mktg position-absolute position-lg-relative">
        <path d="M1,1l6.2,6L13,1"></path>
      </svg>
    </summary>

    <div class="dropdown-menu flex-auto rounded-1 bg-white px-0 pt-2 pb-4 mt-0 p-lg-4 position-relative position-lg-absolute left-0 left-lg-n4">
      <a href="/pricing" class="pb-2 lh-condensed-ultra d-block link-gray-dark no-underline h5 Bump-link--hover" data-ga-click="(Logged out) Header, go to Pricing">Plans <span class="Bump-link-symbol float-right text-normal text-gray-light">&rarr;</span></a>

      <ul class="list-style-none mb-3">

```

```

        <li class="edge-item-fix"><a href="/pricing#feature-comparison" class
="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(Logged out
) Header, go to Compare plans">Compare plans</a></li>
        <li class="edge-item-fix"><a href="https://enterprise.github.com/cont
act" class="py-2 lh-condensed-ultra d-block link-gray no-underline f5" data-ga-click="(
Logged out) Header, go to Contact Sales">Contact Sales</a></li>
    </ul>

```

```

    <ul class="list-style-none mb-0 border-lg-top pt-lg-3">
        <li class="edge-item-fix"><a href="/nonprofit" class="py-2 lh-condens
ed-ultra d-block no-underline link-gray-dark no-underline h5 Bump-link--hover" data-ga-
click="(Logged out) Header, go to Nonprofits">Nonprofit <span class="Bump-link-symbol f
loat-right text-normal text-gray-light">&arr;</span></a></li>
        <li class="edge-item-fix"><a href="https://education.github.com" clas
s="py-2 pb-0 lh-condensed-ultra d-block no-underline link-gray-dark no-underline h5 Bum
p-link--hover" data-ga-click="(Logged out) Header, go to Education">Education <span cl
ass="Bump-link-symbol float-right text-normal text-gray-light">&arr;</span></a></li>
    </ul>
</div>
</details>
</li>
</ul>
</nav>

```

```

<div class="d-lg-flex flex-items-center px-3 px-lg-0 text-center text-lg-left">
    <div class="d-lg-flex mb-3 mb-lg-0">
        <div class="header-search flex-self-stretch flex-lg-self-auto mr-0 mr-lg-3 mb-3
mb-lg-0 scoped-search site-scoped-search js-site-search position-relative js-jump-to"
role="combobox"
aria-owns="jump-to-results"
aria-label="Search or jump to"
aria-haspopup="listbox"
aria-expanded="false"

```



```

</div>

```

```

    <a href="/login?return_to=%2Fnevakee716%2FcwLayoutCompare%2Fwiki%2FHome.md"
class="HeaderMenu-link no-underline mr-3"
data-hydro-click="{&quot;event_type&quot;:&quot;authentication.click&quot;;&quot;
payload&quot;:{&quot;location_in_page&quot;:&quot;site header menu&quot;;&quot;reposito
ry_id&quot;:null,&quot;auth_type&quot;:&quot;SIGN_UP&quot;;&quot;originating_url&quot;:
&quot;https://github.com/nevakee716/cwLayoutCompare/wiki/Home.md&quot;;&quot;user_id&qu
ot;:null}}}" data-hydro-click-hmac="764af502939b729e82865006c96f734d649c57fec137d0e34479
31097e7ec6d3"
data-ga-click="(Logged out) Header, clicked Sign in, text:sign-in">
    Sign in
</a>

```

```
<a href="/join?source=header"
class="HeaderMenu-link d-inline-block no-underline border border-gray-dark rounded-1 px-2 py-1"
data-hydro-click="{&quot;event_type&quot;:&quot;authentication.click&quot;;&quot;payload&quot;:&quot;location_in_page&quot;:&quot;site_header_menu&quot;;&quot;repository_id&quot;:&quot;null&quot;;&quot;auth_type&quot;:&quot;SIGN_UP&quot;;&quot;originating_url&quot;:&quot;https://github.com/nevakee716/cwLayoutCompare/wiki/Home.md&quot;;&quot;user_id&quot;:&quot;null&quot;}" data-hydro-click-hmac="764af502939b729e82865006c96f734d649c57fec137d0e3447931097e7ec6d3"
data-ga-click="(Logged out) Header, clicked Sign up, text:sign-up">
Sign Sign up
</a>
</div>
</div>
<div id="js-flash-container">


# GitHub

</div>

<div class="col-6 col-sm-3 col-lg-2 mb-6 mb-md-2 pr-3 pr-lg-0 pl-lg-4">

<h2 class="h5 mb-3 text-mono text-gray-light text-normal">Product</h2>

<ul class="list-style-none text-gray f5">

<li class="lh-condensed mb-3"><a href="/features" data-ga-click="Footer, go to fe

```

atures, text:features" class="link-gray">Features
 <li class="lh-condensed mb-3"><a href="/security" data-ga-click="Footer, go to se
curity, text:security" class="link-gray">Security
 <li class="lh-condensed mb-3"><a href="/enterprise" data-ga-click="Footer, go to
enterprise, text:enterprise" class="link-gray">Enterprise
 <li class="lh-condensed mb-3"><a href="/customer-stories" data-ga-click="Footer,
go to customer stories, text:customer stories" class="link-gray">Customer stories</
li>
 <li class="lh-condensed mb-3"><a href="/pricing" data-ga-click="Footer, go to pri
cing, text:pricing" class="link-gray">Pricing
 <li class="lh-condensed mb-3"><a href="https://resources.github.com" data-ga-clic
k="Footer, go to resources, text:resources" class="link-gray">Resources

</div>
<div class="col-6 col-sm-3 col-lg-2 mb-6 mb-md-2 pr-3 pr-md-0 pl-md-4">
 <h2 class="h5 mb-3 text-mono text-gray-light text-normal">Platform</h2>
 <ul class="list-style-none f5">
 <li class="lh-condensed mb-3"><a href="https://developer.github.com" data-ga-clic
k="Footer, go to api, text:api" class="link-gray">Developer API
 <li class="lh-condensed mb-3"><a href="http://partner.github.com/" data-ga-click=
"Footer, go to partner, text:partner" class="link-gray ">Partners
 <li class="lh-condensed mb-3"><a href="https://atom.io" data-ga-click="Footer, go
to atom, text:atom" class="link-gray ">Atom
 <li class="lh-condensed mb-3"><a href="http://electronjs.org" data-ga-click="Foot
er, go to electron, text:electron" class="link-gray ">Electron
 <li class="lh-condensed mb-3"><a href="https://desktop.github.com/" data-ga-click
="Footer, go to desktop, text:desktop" class="link-gray ">GitHub Desktop

</div>
<div class="col-6 col-sm-3 col-lg-2 mb-6 mb-md-2 pr-3 pr-md-0 pl-md-4">
 <h2 class="h5 mb-3 text-mono text-gray-light text-normal">Support</h2>
 <ul class="list-style-none f5">
 <li class="lh-condensed mb-3"><a data-ga-click="Footer, go to help, text:help" cl
ass="link-gray " href="https://help.github.com">Help
 <li class="lh-condensed mb-3"><a href="https://github.community" data-ga-click="F
ooter, go to community, text:community" class="link-gray ">Community Forum
 <li class="lh-condensed mb-3"><a href="https://services.github.com/" data-ga-clic
k="Footer, go to professional services, text:professional services" class="link-gray ">
Professional Services
 <li class="lh-condensed mb-3"><a href="https://lab.github.com/" data-ga-click="Fo
oter, go to learning lab, text:learning lab" class="link-gray ">Learning Lab
 <li class="lh-condensed mb-3"><a href="https://githubstatus.com/" data-ga-click="
Footer, go to status, text:status" class="link-gray ">Status
 <li class="lh-condensed mb-3"><a data-ga-click="Footer, go to contact, text:conta
ct" class="link-gray " href="https://github.com/contact">Contact GitHub

</div>
<div class="col-6 col-sm-3 col-lg-2 mb-6 mb-md-2 pr-3 pr-md-0 pl-md-4">
 <h2 class="h5 mb-3 text-mono text-gray-light text-normal">Company</h2>
 <ul class="list-style-none f5">
 <li class="lh-condensed mb-3"><a data-ga-click="Footer, go to about, text:about"
class="link-gray " href="https://github.com/about">About
 <li class="lh-condensed mb-3"><a href="https://github.blog" data-ga-click="Footer

```



```
, go to blog, text:blog" class="link-gray ">Blog
 <li class="lh-condensed mb-3"><a href="/about/careers" data-ga-click="Footer, go
to careers, text:careers" class="link-gray">Careers
 <li class="lh-condensed mb-3"><a href="/about/press" data-ga-click="Footer, go to
press, text:press" class="link-gray">Press
 <li class="lh-condensed mb-3"><a href="https://socialimpact.github.com/" data-ga-
click="Footer, go to social impact, text:social impact" class="link-gray">Social Impact

 <li class="lh-condensed mb-3"><a href="https://shop.github.com" data-ga-click="Fo
oter, go to shop, text:shop" class="link-gray">Shop

</div>
</div>
```



```
<script crossorigin="anonymous" async="async" integrity="sha512-0ME9ftiuUHsYYdeBdLTPHbe
L4j0UjTAy9YxHpX0AaZLPPex/JTS5mmHozk8Bnp2czMkd3FmK8DfVID7zxmD50A==" type="application/ja
vascript" id="js-conditional-compat" data-src="https://github.githubassets.com/assets/c
ompat-bootstrap-d0c13d7e.js"></script>
```

```
<script crossorigin="anonymous" integrity="sha512-IHEePCULKgXPWe6u6CnZQd8pY8xSbfX2+Nl/F
n7Qvn0e56E05XvjWH9LMmG7cwPGNr1URoJ1lrlGiL5ERpBBRA==" type="application/javascript" src=
"https://github.githubassets.com/assets/frameworks-20711e3c.js"></script>
```

```
<script crossorigin="anonymous" async="async" integrity="sha512-8uXpMPX06V/mNWHdt+TYOP6
BPyRLKp6H86zLY1DHI2GYk3q5KqVMdIenIeOF6Ap7n/nKDrRjCweTU+XBmiIMIg==" type="application/ja
vascript" src="https://github.githubassets.com/assets/github-bootstrap-f2e5e930.js"></s
cript>
```