

data-color-mode="auto" data-light-theme="light" data-dark-theme="dark" data-a11y-animated-images="system" data-a11y-link-underlines="true"

<link crossorigin="anonymous" rel="preload" as="script" href="https://github.githubassets.com/assets/global-bann

<link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/primer-pri
<link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/primer-a5c
<link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/global-7c2
<link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/github-496

<meta name="google-site-verification" content="Apib7-x98H0j5cPqHwSMm6dNU4Gm0DRoqxLiDzdX9I">

<meta name="user-login" content="">

<meta name="viewport" content="width=device-width">

<meta name="description" content="GitHub is where people build software. More than 150 million people use GitHub
<link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml" title="GitHub">
<link rel="fluid-icon" href="https://github.com/fluidicon.png" title="GitHub">
<meta property="fb:app_id" content="1401488693436528">
<meta name="apple-itunes-app" content="app-id=1477376905, app-argument=https://github.com/nodedee/viability-test/b
<meta property="og:url" content="https://github.com">

<meta name="hostname" content="github.com">

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

<link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/site-796

<link rel="canonical" href="https://github.com/nodedee/viability-test/blob/main/README.md" data-turbo-transient>

<meta name="turbo-body-classes" content="logged-out env-production page-responsive min-height-full d-flex flex-col

<div class="position-relative header-wrapper js-header-wrapper ">
 <a href="#start-of-content" data-skip-target-assigned="false" class="px-2 py-4 color-bg-accent-emphasis color-fg

<span style="width: 0%;" data-view-component="true" class="Progress-item progress-pjax-loader-bar left-0 top-0 col

<link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/primer-r

<react-partial partial-name="keyboard-shortcuts-dialog" data-ssr="false" data-attempted-ssr="false" data-react-profiling="false"

Navigation Menu

Toggle navigation

<a class="mr-lg-3 color-fg-inherit flex-order-2 js-prevent-focus-on-mobile-nav"
 href="/"
 aria-label="Homepage"
 data-analytics-event="{"category":"Marketing nav";"action":"click to go to
 <svg height="32" aria-hidden="true" viewBox="0 0 24 24" version="1.1" width="32" data-view-component="true" cl
<path d="M12 1C5.923 1 1 5.923 1 12c0 4.867 3.149 8.979 7.521 10.436 5.5096 756-.233 756-.522 0-.262-.013-1.128-.6

<div class="d-flex flex-1 flex-order-2 text-right d-lg-none gap-2 flex-justify-end">
 <a
 href="/login?return_to=https%3A%2F%2Fgithub.com%2Fnodedee%2Fviability-test%2Fblob%2Fmain%2FREADME.md"
 class="HeaderMenu-link HeaderMenu-button d-inline-flex f5 no-underline border color-border-default rounded
 data-hydro-click="{"event_type":"authentication.click";"payload":{"loca
 data-analytics-event="{"category":"Marketing nav";"action":"click to Si
 >
 Sign in


```
<div class="AppHeader-appearanceSettings">
<react-partial-anchor>
  <button data-target="react-partial-anchor.anchor" id="icon-button-fb489b72-75a6-4625-b83c-8e16ed8c50d0" aria-label="
<path d="M15 2.75a.75.75 0 0 1-.75.75h-4a.75.75 0 0 1 0-1.5h4a.75.75 0 0 1 .75.75Zm-8.5.75v1.25a.75.75 0 0 0 1.5 0
```

```

<template data-target="react-partial-anchor.template">
  <link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/primer
```

```
<react-partial partial-name="appearance-settings" data-ssr="false" data-attempted-ssr="false" data-react-profiling="false"
```

```

</template>
</react-partial-anchor>
```

```

</div>
</div>
```

```
<div class="HeaderMenu js-header-menu height-fit position-lg-relative d-lg-flex flex-column flex-auto top-0">
  <div class="HeaderMenu-wrapper d-flex flex-column flex-self-start flex-lg-row flex-auto rounded rounded-lg-0">
    <nav class="HeaderMenu-nav" aria-label="Global">
      <ul class="d-lg-flex list-style-none">
        <li class="HeaderMenu-item position-relative flex-wrap flex-justify-between flex-items-center d-block">
          <button type="button" class="HeaderMenu-link border-0 width-full width-lg-auto px-0 px-lg-2 py-lg-2 no-wrap d-flex align-items-center">
            <svg opacity="0.5" aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="true">
              <path d="M12.78 5.22a.749.749 0 0 1 0 1.06l-4.25 4.25a.749.749 0 0 1-1.06 0L3.22 6.28a.749.749 0 1 1 1.06-1.06L8 8" data-bbox="12.78 5.22 15.78 8.22"/>
```

```

    <div class="HeaderMenu-dropdown dropdown-menu rounded m-0 p-0 pt-2 pt-lg-4 position-relative position-lg-absolute top-0 left-0">
      <div class="d-lg-flex dropdown-menu-wide">
        <div class="HeaderMenu-column px-lg-4">
          <div class="">
            <ul class="list-style-none f5" >
              <li>
```

[GitHub Copilot](#)

```

    </div>
    <div>
      <a href="#">Write better code with AI</a>
    </div>
```

```

    <li>
```

[GitHub Spark](#)

```

    <span class="HeaderMenu-label">
      <a href="#">New</a>
    </span>
  </div>
  <div>
    <a href="#">Build and deploy intelligent apps</a>
  </div>
```

```

    <li>
```

[GitHub Models](#)

```

    <span class="HeaderMenu-label">
      <a href="#">New</a>
    </span>
  </div>
  <div>
    <a href="#">Manage and compare prompts</a>
  </div>
```

```

    <li>
```



[</div>](#)

[Find and fix vulnerabilities](#)
[</div>](#)

[](#)



[Actions](#)

[</div>](#)

[Automate any workflow](#)
[</div>](#)

```
      </ul>
    </div>
</div>
<div class="HeaderMenu-column px-lg-4 pb-3 pb-lg-0 border-lg-right">
  <div class="border-bottom border-lg-bottom-0 pb-lg-0 pb-3">

    <ul class="list-style-none f5" >
      <li>
```



[Codespaces](#)

[</div>](#)

[Instant dev environments](#)
[</div>](#)

[](#)



[Issues](#)

[</div>](#)

[Plan and track work](#)
[</div>](#)

[](#)



[Code Review](#)

[</div>](#)

[Manage code changes](#)
[</div>](#)

[](#)



[Discussions](#)

[</div>](#)

[Collaborate outside of code](#)
[</div>](#)

[](#)



[Code Search](#)

[</div>](#)

```
        </ul>
      </div>
    </div>
    <div class="HeaderMenu-column px-lg-4">
      <div class="border-bottom border-lg-bottom-0 pb-lg-0 mb-3 pb-3">

        <span class="d-block h4 color-fg-default my-1" id="platform-explore-heading">Explore</span>

        <ul class="list-style-none f5" aria-labelledby="platform-explore-heading">
          <li>
```

[Why GitHub](#)

```
<li>
```

[Documentation](#)

```
<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="true" class=
<path d="M3.75 2h3.5a.75.75 0 0 1 0 1.5h-3.5a.25.25 0 0 0 -.25.25v8.5c0 .138.112.25.25h8.5a.25.25 0 0 0 .25-.25v
```

```
<li>
```

[GitHub Skills](#)

```
<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="true" class=
<path d="M3.75 2h3.5a.75.75 0 0 1 0 1.5h-3.5a.25.25 0 0 0 -.25.25v8.5c0 .138.112.25.25h8.5a.25.25 0 0 0 .25-.25v
```

```
<li>
```

[Blog](#)

```
<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="true" class=
<path d="M3.75 2h3.5a.75.75 0 0 1 0 1.5h-3.5a.25.25 0 0 0 -.25.25v8.5c0 .138.112.25.25h8.5a.25.25 0 0 0 .25-.25v
```

```
    </ul>
  </div>
  <div class="border-bottom border-lg-bottom-0 pb-lg-0 pb-3">

    <span class="d-block h4 color-fg-default my-1" id="platform-integrations-heading">Integrations</

    <ul class="list-style-none f5" aria-labelledby="platform-integrations-heading">
      <li>
```

[GitHub Marketplace](#)

```
<li>
```

[MCP Registry](#)

```
    </ul>
  </div>
</div>
</div>

<div class="HeaderMenu-trailing-link rounded-bottom-2 mt-lg-4 px-lg-4 py-4 py-lg-3 f5 text-semibold">
  <a data-analytics-event="{&quot;location&quot;:&quot;navbar&quot;;,&quot;action&quot;:&quot;view_all_featur
    View all features
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="tr
<path d="M6.22 3.22a.75.75 0 0 1 1.06 0l4.25 4.25a.75.75 0 0 1 0 1.06l-4.25 4.25a.751.751 0 0 1-1.042-.018.751.751
```

```
    <li class="HeaderMenu-item position-relative flex-wrap flex-justify-between flex-items-center d-bloc
    <button type="button" class="HeaderMenu-link border-0 width-full width-lg-auto px-0 px-lg-2 py-lg-2 no-wrap d-fl
      Solutions
      <svg opacity="0.5" aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compo
    <path d="M12.78 5.22a.749.749 0 0 1 0 1.06l-4.25 4.25a.749.749 0 0 1-1.06 0L3.22 6.28a.749.749 0 1 1 1.06-1.06L8 8
```

```
<div class="HeaderMenu-dropdown dropdown-menu rounded m-0 p-0 pt-2 pt-lg-4 position-relative position-lg-absolut
  <div class="d-lg-flex dropdown-menu-wide">
    <div class="HeaderMenu-column px-lg-4 pb-3 pb-lg-0 border-lg-right">
      <div class="border-bottom border-lg-bottom-0 pb-lg-0 pb-3">

        <span class="d-block h4 color-fg-default my-1" id="solutions-by-company-size-heading">By company
```

```
<ul class="list-style-none f5" aria-labelledby="solutions-by-company-size-heading">
  <li>
```

[Enterprises](#)

```
<li>
```

[Small and medium teams](#)

```
<li>
```

[Startups](#)

```
<li>
```

[Nonprofits](#)

```
      </ul>
    </div>
  </div>
  <div class="HeaderMenu-column px-lg-4 pb-3 pb-lg-0 border-lg-right">
    <div class="border-bottom border-lg-bottom-0 pb-lg-0 pb-3">
      <span class="d-block h4 color-fg-default my-1" id="solutions-by-use-case-heading">By use case</s
      <ul class="list-style-none f5" aria-labelledby="solutions-by-use-case-heading">
        <li>
```

[App Modernization](#)

```
<li>
```

[DevSecOps](#)

```
<li>
```

[DevOps](#)

```
<li>
```

[CI/CD](#)

```
<li>
```

[View all use cases](#)

```
      </ul>
    </div>
  </div>
  <div class="HeaderMenu-column px-lg-4">
    <div class="border-bottom border-lg-bottom-0 pb-lg-0 pb-3">
      <span class="d-block h4 color-fg-default my-1" id="solutions-by-industry-heading">By industry</s
      <ul class="list-style-none f5" aria-labelledby="solutions-by-industry-heading">
        <li>
```

[Healthcare](#)

```
<li>
```

[Financial services](#)

```
<li>
```

[Manufacturing](#)

```
<li>
```

[Government](#)

```
<li>
```

[View all industries](#)

```
        </ul>
      </div>
    </div>
  </div>

  <div class="HeaderMenu-trailing-link rounded-bottom-2 mt-lg-4 px-lg-4 py-4 py-lg-3 f5 text-semibold">
    <a data-analytics-event="{&quot;location&quot;;&quot;navbar&quot;;&quot;action&quot;;&quot;view_all_soluti
      View all solutions
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="tr
    <path d="M6.22 3.22a.75.75 0 0 1 1.06 0l4.25 4.25a.75.75 0 0 1 0 1.06l-4.25 4.25a.751.751 0 0 1-1.042-.018.751.751
```

```
    <li class="HeaderMenu-item position-relative flex-wrap flex-justify-between flex-items-center d-bloc
    <button type="button" class="HeaderMenu-link border-0 width-full width-lg-auto px-0 px-lg-2 py-lg-2 no-wrap d-fl
      Resources
      <svg opacity="0.5" aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compo
    <path d="M12.78 5.22a.749.749 0 0 1 0 1.06l-4.25 4.25a.749.749 0 0 1-1.06 0L3.22 6.28a.749.749 0 1 1 1.06-1.06L8 8
```

```
<div class="HeaderMenu-dropdown dropdown-menu rounded m-0 p-0 pt-2 pt-lg-4 position-relative position-lg-absolut
  <div class="d-lg-flex dropdown-menu-wide">
    <div class="HeaderMenu-column px-lg-4 pb-3 pb-lg-0 border-lg-right">
      <div class="border-bottom border-lg-bottom-0 pb-lg-0 pb-3">

        <span class="d-block h4 color-fg-default my-1" id="resources-topics-heading">Topics</span>

        <ul class="list-style-none f5" aria-labelledby="resources-topics-heading">
          <li>
```

[AI](#)

[DevOps](#)

[Security](#)

[Software Development](#)

[View all](#)

```
    </ul>
  </div>
</div>
<div class="HeaderMenu-column px-lg-4">
  <div class="border-bottom border-lg-bottom-0 pb-lg-0 border-bottom-0">

    <span class="d-block h4 color-fg-default my-1" id="resources-explore-heading">Explore</span>

    <ul class="list-style-none f5" aria-labelledby="resources-explore-heading">
      <li>
```

[Learning Pathways](#)

```
<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="true" class=
<path d="M3.75 2h3.5a.75.75 0 0 1 0 1.5h-3.5a.25.25 0 0 0-.25.25v8.5c0 .138.112.25.25h8.5a.25.25 0 0 0 .25-.25v
```


[Events & Webinars](#)

[Ebooks & Whitepapers](#)

[Customer Stories](#)

```
<li>
```

Partners

```
<li>
```

Executive Insights

```
        </ul>
      </div>
    </div>
  </div>

</div>
```

```
      <li class="HeaderMenu-item position-relative flex-wrap flex-justify-between flex-items-center d-block"
        <button type="button" class="HeaderMenu-link border-0 width-full width-lg-auto px-0 px-lg-2 py-lg-2 no-wrap d-flex"
          Open Source
          <svg opacity="0.5" aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compo
        <path d="M12.78 5.22a.749.749 0 0 1 0 1.06l-4.25 4.25a.749.749 0 0 1-1.06 0L3.22 6.28a.749.749 0 1 1 1.06-1.06L8
```

```
<div class="HeaderMenu-dropdown dropdown-menu rounded m-0 p-0 pt-2 pt-lg-4 position-relative position-lg-absolute"
  <div class="d-lg-flex dropdown-menu-wide">
    <div class="HeaderMenu-column px-lg-4">
      <div class="border-bottom mb-3 mb-lg-3 pb-3">

        <ul class="list-style-none f5" >
          <li>
```

```
    <div>
      <div class="color-fg-default h4">
        <a href="#">GitHub Sponsors</a>
      </div>
    </div>
    <div>
      <a href="#">Fund open source developers</a>
    </div>
```

```
    </ul>
  </div>
  <div class="border-bottom mb-3 mb-lg-3 pb-3">

    <ul class="list-style-none f5" >
      <li>
```

```
    <div>
      <div class="color-fg-default h4">
        <a href="#">The ReadME Project</a>
      </div>
    </div>
    <div>
      <a href="#">GitHub community articles</a>
    </div>
```

```
    </ul>
  </div>
  <div class="border-bottom border-bottom-0">

    <span class="d-block h4 color-fg-default my-1" id="open-source-repositories-heading">Repositories</span>

    <ul class="list-style-none f5" aria-labelledby="open-source-repositories-heading">
      <li>
```

Topics

```
<li>
```

Trending

```
<li>
```

Collections

```
    </ul>
  </div>
</div>
```

```
</div>

</div>

<li class="HeaderMenu-item position-relative flex-wrap flex-justify-between flex-items-center d-block" >
  <button type="button" class="HeaderMenu-link border-0 width-full width-lg-auto px-0 px-lg-2 py-lg-2 no-wrap d-flex align-items-center" >
    Enterprise
    <svg opacity="0.5" aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="true" >
      <path d="M12.78 5.22a.749.749 0 0 1 0 1.06l-4.25 4.25a.749.749 0 0 1-1.06 0L3.22 6.28a.749.749 0 1 1 1.06-1.06L8 8" />
    </svg>
  </button>
  <div class="HeaderMenu-dropdown dropdown-menu rounded m-0 p-0 pt-2 pt-lg-4 position-relative position-lg-absolute top-0 left-0" >
    <div class="d-lg-flex dropdown-menu-wide" >
      <div class="HeaderMenu-column px-lg-4" >
        <div class="border-bottom mb-3 mb-lg-3 pb-3" >
          <ul class="list-style-none f5" >
            <li>
```

 [Enterprise platform](#)

```
</div>

  <a href="#" class="HeaderMenu-link no-decoration px-0 px-lg-2 py-3 py-lg-2 d-block d-lg-inline-block" data-analytics-event="
    </div>
  </div>
  <div class="border-bottom border-bottom-0" >
    <span class="d-block h4 color-fg-default my-1" id="enterprise-available-add-ons-heading">Available add-ons</span>
    <ul class="list-style-none f5" aria-labelledby="enterprise-available-add-ons-heading">
      <li>
```

 [GitHub Advanced Security](#)

```
</div>

  <a href="#" class="HeaderMenu-link no-decoration px-0 px-lg-2 py-3 py-lg-2 d-block d-lg-inline-block" data-analytics-event="
    </div>
  </div>
  <div class="border-bottom border-bottom-0" >
    <span class="d-block h4 color-fg-default my-1" id="enterprise-available-add-ons-heading">Available add-ons</span>
    <ul class="list-style-none f5" aria-labelledby="enterprise-available-add-ons-heading">
      <li>
```

```
<li>
```

 [Copilot for business](#)

```
</div>

  <a href="#" class="HeaderMenu-link no-decoration px-0 px-lg-2 py-3 py-lg-2 d-block d-lg-inline-block" data-analytics-event="
    </div>
  </div>
  <div class="border-bottom border-bottom-0" >
    <span class="d-block h4 color-fg-default my-1" id="enterprise-available-add-ons-heading">Available add-ons</span>
    <ul class="list-style-none f5" aria-labelledby="enterprise-available-add-ons-heading">
      <li>
```

```
<li>
```

 [Premium Support](#)

```
</div>

  <a href="#" class="HeaderMenu-link no-decoration px-0 px-lg-2 py-3 py-lg-2 d-block d-lg-inline-block" data-analytics-event="
    </div>
  </div>
  <div class="border-bottom border-bottom-0" >
    <span class="d-block h4 color-fg-default my-1" id="enterprise-available-add-ons-heading">Available add-ons</span>
    <ul class="list-style-none f5" aria-labelledby="enterprise-available-add-ons-heading">
      <li>
```

```
</ul>
  </div>
</div>
</div>
</div>
</div>
```

```
<li class="HeaderMenu-item position-relative flex-wrap flex-justify-between flex-items-center d-block" >
  <a href="#" class="HeaderMenu-link no-decoration px-0 px-lg-2 py-3 py-lg-2 d-block d-lg-inline-block" data-analytics-event="
```

```
</ul>
</nav>
```

```
<div class="d-flex flex-column flex-lg-row width-full flex-justify-end flex-lg-items-center text-center mt-3 m
```

Q

Search or jump to...

/

```
<input type="hidden" name="type" class="js-site-search-type-field">
```

Search code, repositories, users, issues, pull requests...

```
<div data-view-component="true" style="border-radius: 12px;" data-target="qbsearch-input.queryBuilderContainer" hidden>
  <div class="search-suggestions position-fixed width-full color-shade
>
<!-- ' ' --><!-- </textarea></xmp> --></option></form><form id="query-builder-test-form" action="" accept-ch
```

Search

Q

Clear

```
</div>
<template id="search-icon">
```

Q

```
<div class="position-relative">
  <ul
    role="listbox"
    class="ActionListWrap QueryBuilder-ListWrap"
    aria-label="Suggestions"
    data-action="
      combobox-commit:query-builder#comboboxCommit
      mousedown:query-builder#resultsMousedown
    "
    data-target="query-builder.resultsList"
    data-persist-list=false
    id="query-builder-test-results"
    tabindex="-1"
  ></ul>
</div>
<div class="FormControl-inlineValidation" id="validation-ea3bee7d-75a9-42dd-936b-46ba13b41fc6" hidden="hidden">
  <span class="FormControl-inlineValidation--visual">
    <svg aria-hidden="true" height="12" viewBox="0 0 12 12" version="1.1" width="12" data-view-component="true"
<path d="M4.855.708c.5-.896 1.79-.896 2.29 0l4.675 8.351a1.312 1.312 0 0 1-1.146 1.954H1.33A1.313 1.313 0 0 1 .183
```

[Search syntax tips](#)

```
</div>
```

```
<custom-scopes data-target="qbsearch-input.customScopesManager">
```

Cancel Create saved search

```
<div class="position-relative HeaderMenu-link-wrap d-lg-inline-block">
  <a
    href="/login?return_to=https%3A%2F%2Fgithub.com%2Ffnobedee%2Fviability-test%2Fblob%2Fmain%2FREADME.md"
    class="HeaderMenu-link HeaderMenu-link--sign-in HeaderMenu-button flex-shrink-0 no-underline d-none d-
    style="margin-left: 12px;"
    data-hydro-click="{&quot;event_type&quot;:&quot;authentication.click&quot;,&quot;payload&quot;:{&quot;
    data-analytics-event="{&quot;category&quot;:&quot;Marketing nav&quot;,&quot;action&quot;:&quot;click t
  >
  Sign in
</a>
  <div style="right: -30%; background-color: transparent; border: none" data-view-component="true" class
```

Sign in to GitHub

```
<label for="login_field">
  Username or email address
```

```
</label>
<input type="text" name="login" id="l
```

Password

[Forgot password?](#)

```
<input type="submit" name="commit" va
```

```

    <a href="/signup?ref_cta=Sign+up&amp;ref_loc=header+logged+out&amp;ref_page=%2Fnobedee%2Fviability-test%
      class="HeaderMenu-link HeaderMenu-link--sign-up HeaderMenu-button flex-shrink-0 d-flex d-lg-inline-fle
      data-hydro-click="{&quot;event_type&quot;:&quot;authentication.click&quot;,&quot;payload&quot;:{&quot;
      data-analytics-event="{&quot;category&quot;:&quot;Sign up&quot;,&quot;action&quot;:&quot;click to sign
    >
      Sign up
    </a>
```

```

    <div class="AppHeader-appearanceSettings">
<react-partial-anchor>
  <button data-target="react-partial-anchor.anchor" id="icon-button-3da5641a-e8df-4e03-8ac2-7c6bd5ea0610" aria-lab
<path d="M15 2.75a.75.75 0 0 1-.75.75h-4a.75.75 0 0 1 0-1.5h4a.75.75 0 0 1 .75.75Zm-8.5.75v1.25a.75.75 0 0 0 1.5 0
```

```

  <template data-target="react-partial-anchor.template">
    <link crossorigin="anonymous" media="all" rel="stylesheet" href="https://github.githubassets.com/assets/primer
```

<react-partial partial-name="appearance-settings" data-ssr="false" data-attempted-ssr="false" data-react-profiling="false"

```

  </template>
</react-partial-anchor>
```

```

    <button type="button" class="sr-only js-header-menu-focus-trap d-block d-lg-none">Resetting focus</button>
  </div>
</div>
</div>
```

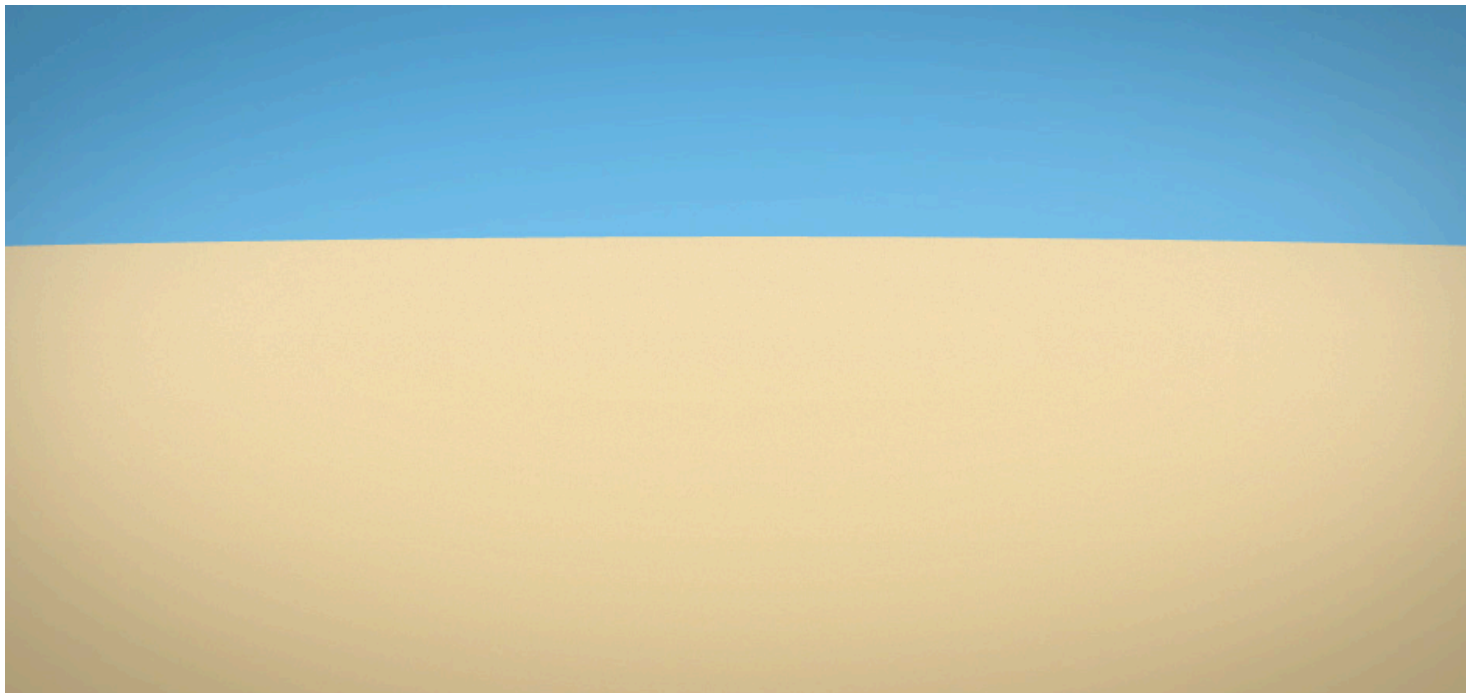
```

  <div hidden="hidden" data-view-component="true" class="js-stale-session-flash stale-session-flash flash flash-wa
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-component="true" cl
<path d="M6.457 1.047c.659-1.234 2.427-1.234 3.086 0l6.082 11.378A1.75 1.75 0 0 1 14.082 15H1.918a1.75 1.75 0 0 1-
```

```

<button id="icon-button-867fa9bb-6647-46f1-a8df-86868a8bbd2e" aria-labelledby="tooltip-e0443ea3-b02b-454d-b197-fcb
<path d="M3.72 3.72a.75.75 0 0 1 1.06 0L8 6.94l3.22-3.22a.749.749 0 0 1 1.275.326.749.749 0 0 1-.215.734L9.06 8l3.
```

```
<div id="js-flash-container" class="flash-container" data-turbo-replace>
```



404

This is not the
web page you
are looking for.

Site-wide Links



<h3 class="h5 mt-4 mb-0" id="subscribe-to-newsletter">Subscribe to our developer newsletter</h3>
<p class="f5 color-fg-muted mb-3">Get tips, technical guides, and best practices. Twice a month.</p>
<a class="btn-mktg mb-4 btn-muted-mktg" data-analytics-event="{"category":"Subscribe","

Subscribe

</section>

<nav class="col-6 col-sm-3 col-lg-2 mb-6 mb-md-2 pr-3 pr-lg-0 pl-lg-4" aria-labelledby="footer-title-product">
<h3 class="h5 mb-3 text-mono color-fg-muted text-normal" id="footer-title-product">
Platform
</h3>

<ul class="list-style-none color-fg-muted f5">
<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

<li class="lh-condensed mb-3">

</nav>

<nav class="col-6 col-sm-3 col-lg-2 mb-6 mb-md-2 pr-3 pr-md-0 pl-md-4" aria-labelledby="footer-title-platform">
<h3 class="h5 mb-3 text-mono color-fg-muted text-normal" id="footer-title-platform">

[illegible]

```
<a class="Link--secondary" data-analytics-event="{&quot;location&quot;:&quot;footer&quot;,&quot;action&quot;:&quot;Footer&quot;}">Footer
</li>
<li class="lh-condensed mb-3">
  <a class="Link--secondary" data-analytics-event="{&quot;location&quot;:&quot;footer&quot;,&quot;action&quot;:&quot;Footer&quot;}">Footer
</li>
<li class="lh-condensed mb-3">
  <a class="Link--secondary" data-analytics-event="{&quot;location&quot;:&quot;footer&quot;,&quot;action&quot;:&quot;Footer&quot;}">Footer
</li>
</ul>
</nav>
</div>
```

- © 2025 GitHub, Inc.

```
<li>
  <a class="Link--secondary" data-analytics-event="{&quot;location&quot;:&quot;footer&quot;,&quot;action&quot;:&quot;Footer&quot;}">Footer
</li>

<li>
  <a class="Link--secondary" data-analytics-event="{&quot;location&quot;:&quot;footer&quot;,&quot;action&quot;:&quot;Footer&quot;}">Footer
  <a href="https://github.com/github/site-policy/pull/582" class="Link--secondary">(Updated 02/2024)</a>
</li>

<li>
  <a class="Link--secondary" data-analytics-event="{&quot;location&quot;:&quot;footer&quot;,&quot;action&quot;:&quot;Footer&quot;}">Footer
</li>

<li>
  <a class="Link--secondary" data-analytics-event="{&quot;location&quot;:&quot;footer&quot;,&quot;action&quot;:&quot;Footer&quot;}">Footer
</li>

<li >
```

Manage cookies

- Do not share my personal information

```
</ul>
</nav>

<nav aria-label="GitHub's Social Media Links" class="footer-social mt-3 mt-md-0 d-flex gapx-6 gapy-1 flex-wrap">
```

- [in GitHub on LinkedIn](#)
- [Instagram GitHub on Instagram](#)
- [YouTube GitHub on YouTube](#)
- [X GitHub on X](#)
- [TikTok GitHub on TikTok](#)
- [Twitch GitHub on Twitch](#)
- [GitHub's organization on GitHub](#)

English

```
</nav>
</div>
```

```
<ghcc-consent id="ghcc" class="position-fixed bottom-0 left-0" style="z-index: 999999"
  data-locale="en"
  data-initial-cookie-consent-allowed=""
  data-cookie-consent-required="false"
></ghcc-consent>
```

```
<template id="site-details-dialog">
```



```
<div class="Popover js-hovercard-content position-absolute" style="display: none; outline: none;">
```

```
<template id="snippet-clipboard-copy-button">
```



```
</div>
<div id="js-global-screen-reader-notice" class="sr-only mt-n1" aria-live="polite" aria-atomic="true" ></div>
```

<div id="js-global-screen-reader-notice-assertive" class="sr-only mt-n1" aria-live="assertive" aria-atomic="true">