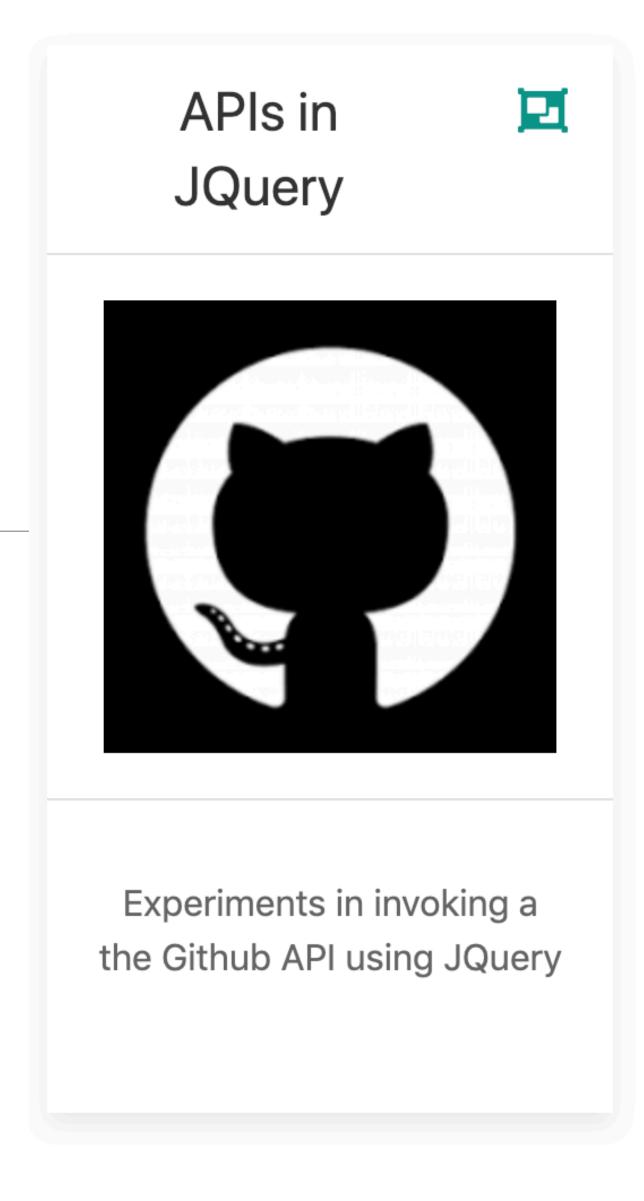
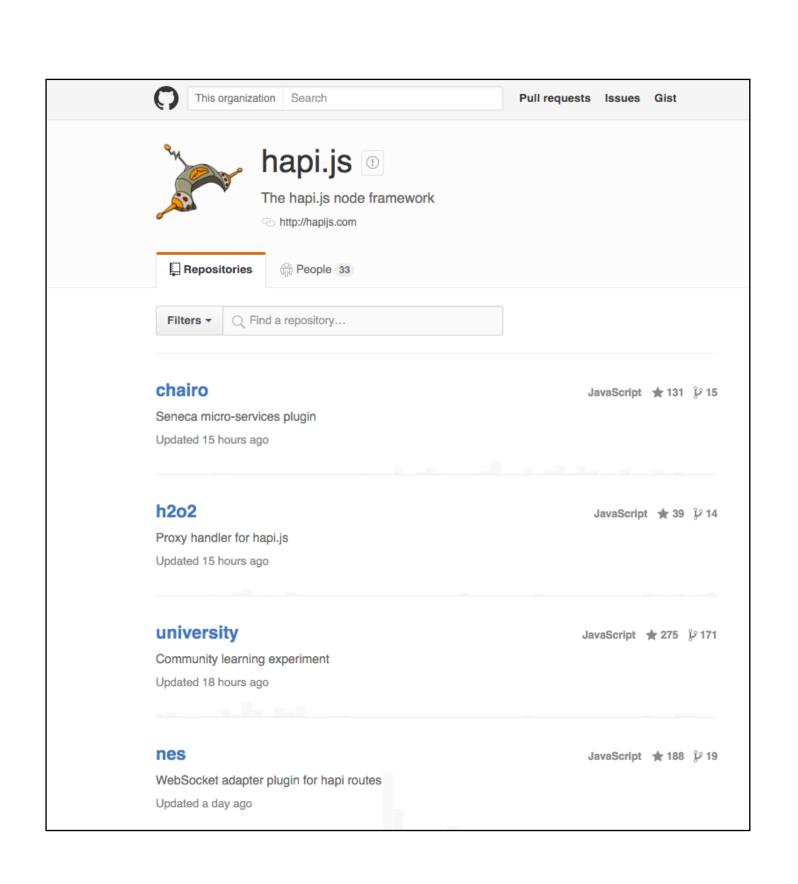
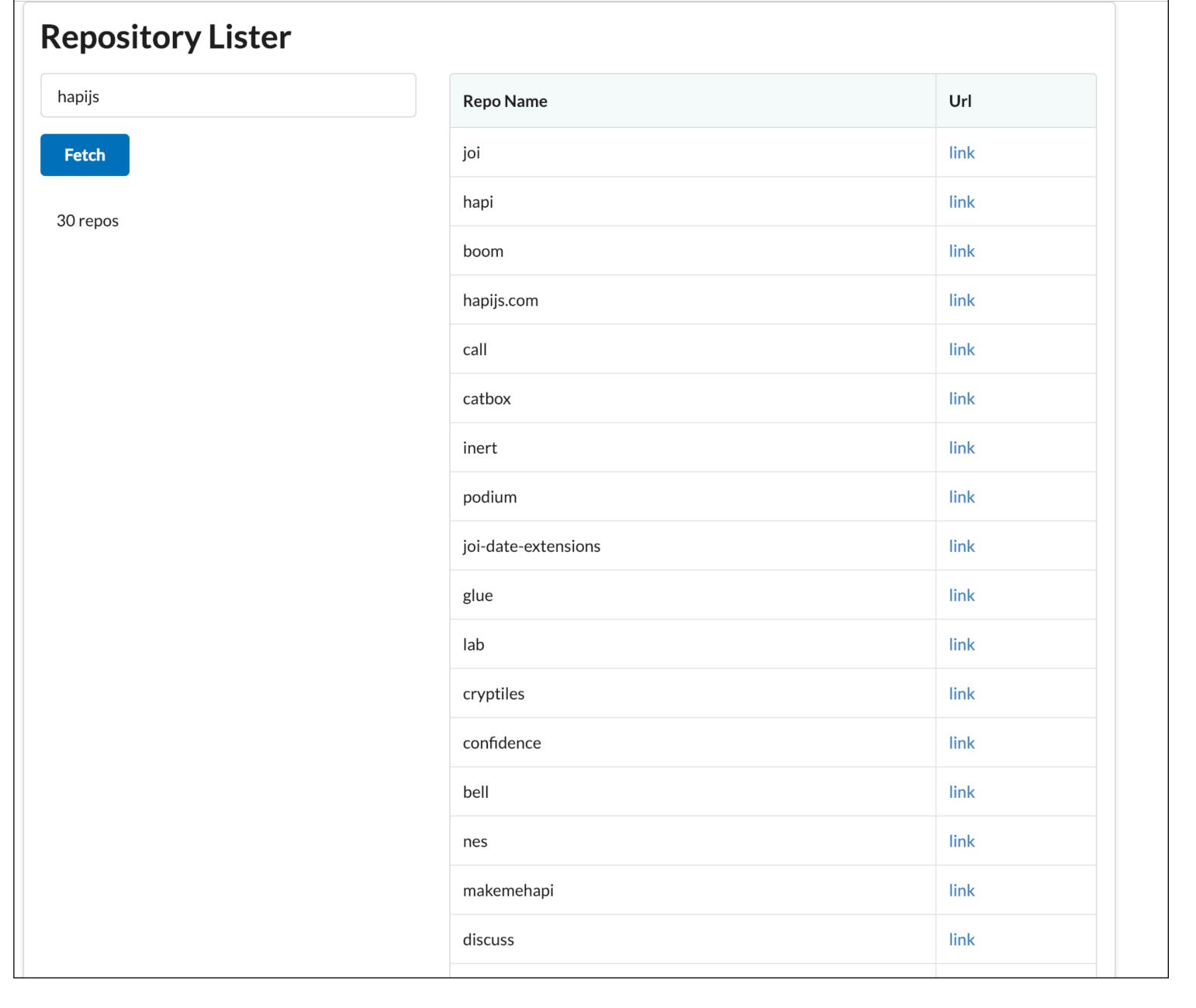
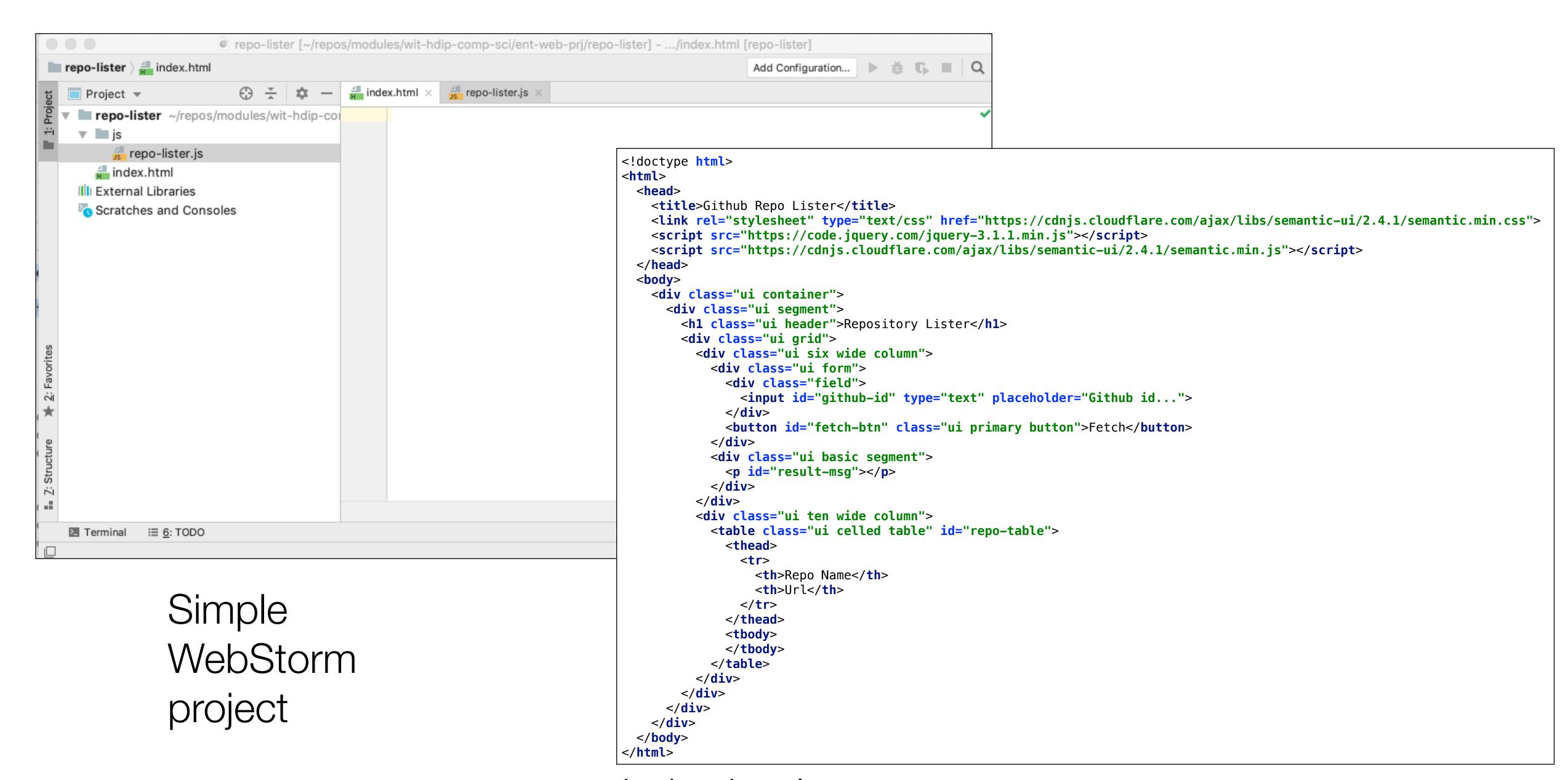
Github API - via Ajax



Web Page API Explorer







```
<div class="ui container">
 <div class="ui segment">
   <h1 class="ui header">Repository Lister</h1>
   <div class="ui grid">
    <div class="ui six wide column">
      <div class="ui form">
        <div class="field">
         <input id="github-id" type="text" placeholder="Github id...">
        </div>
        <button id="fetch-btn" class="ui primary button">Fetch</button>
      </div>
      <div class="ui basic segment">
        </div>
    </div>
    <div class="ui ten wide column">
      <thead>
         Repo Name
           Url
         </thead>
        </div>
   </div>
```

Repository Lister

Github id...

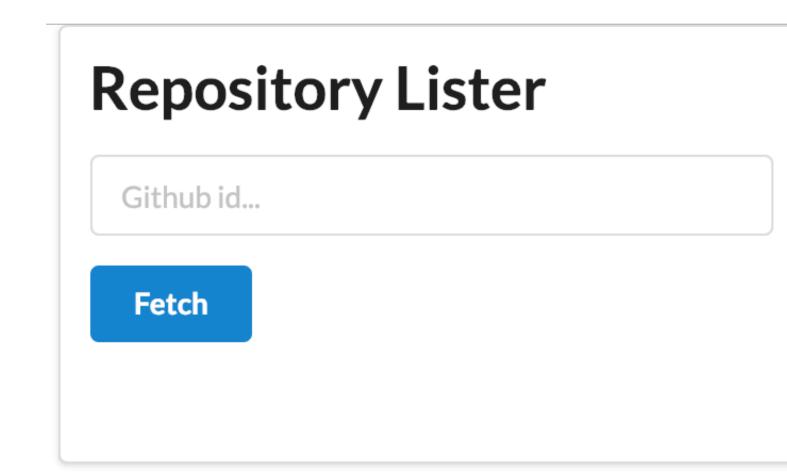
Repo Name

Url

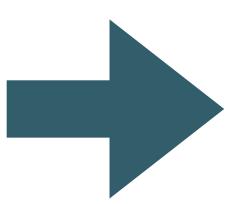
Fetch

</**div**>

</div>



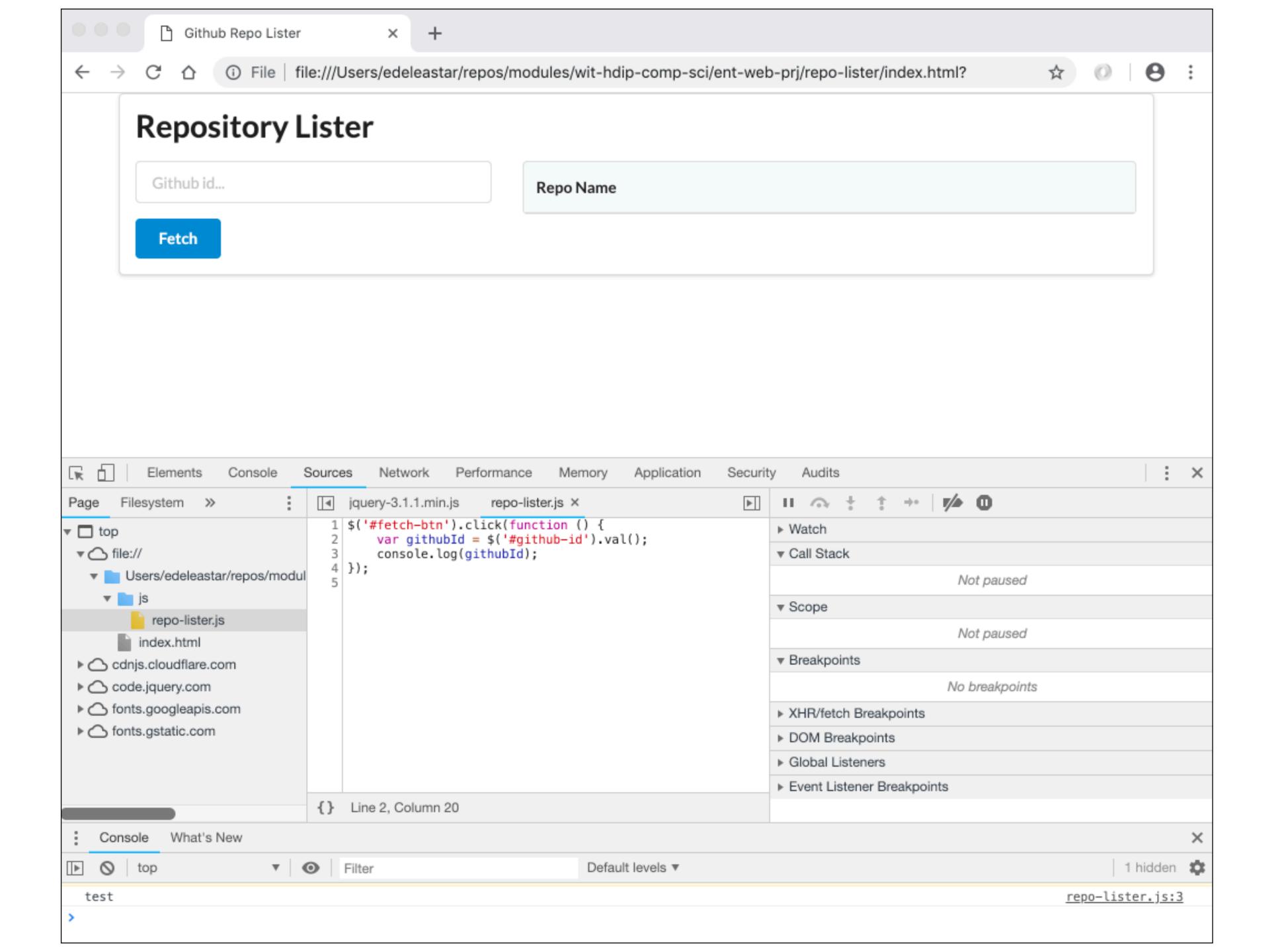
 JQuery event handler, triggered when 'fetch' button pressed.

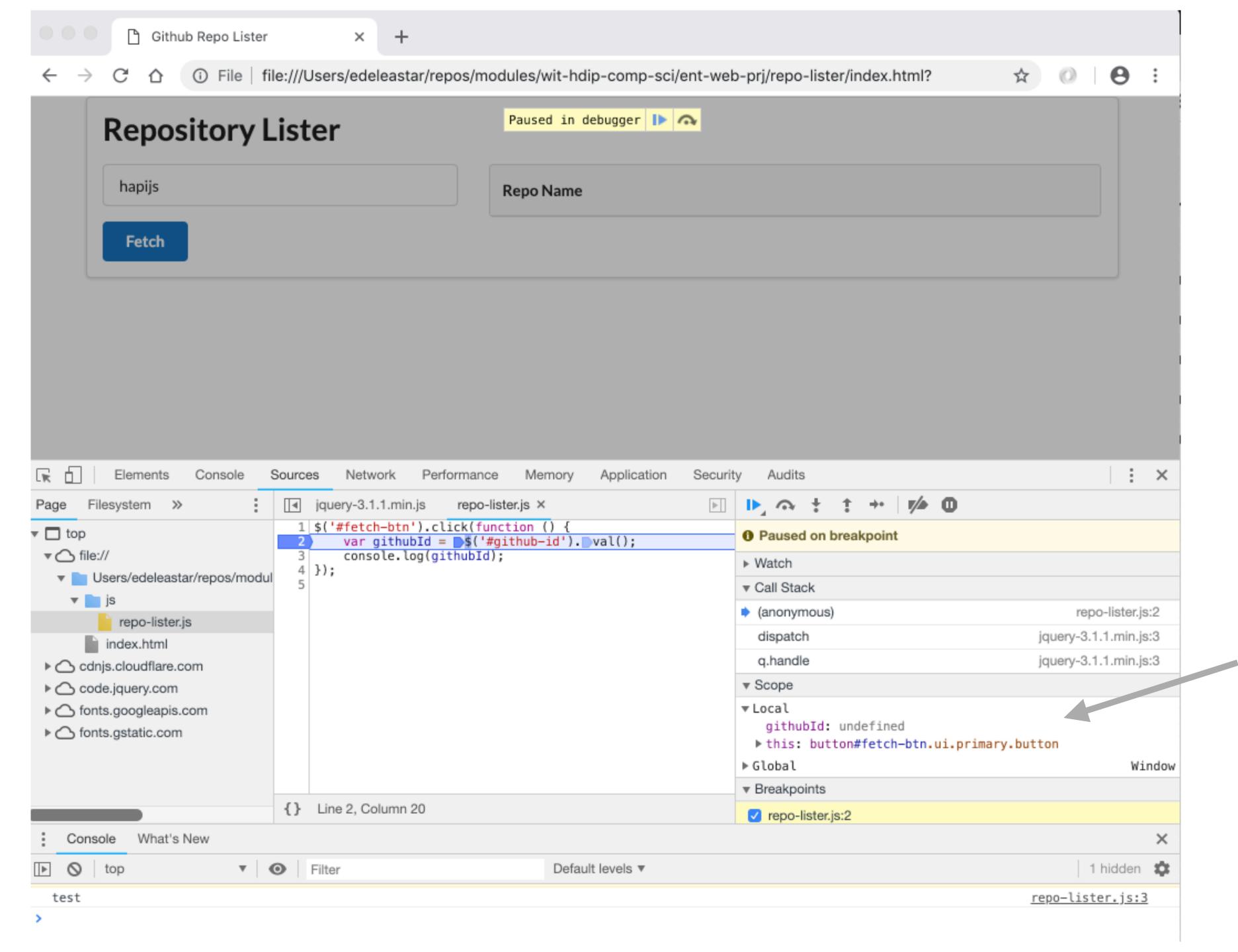


 Retrieve text and log to browser console

repo-lister.js

```
$('#fetch-btn').click(function () {
   var githubId = $('#github-id').val();
   console.log(githubId);
});
```

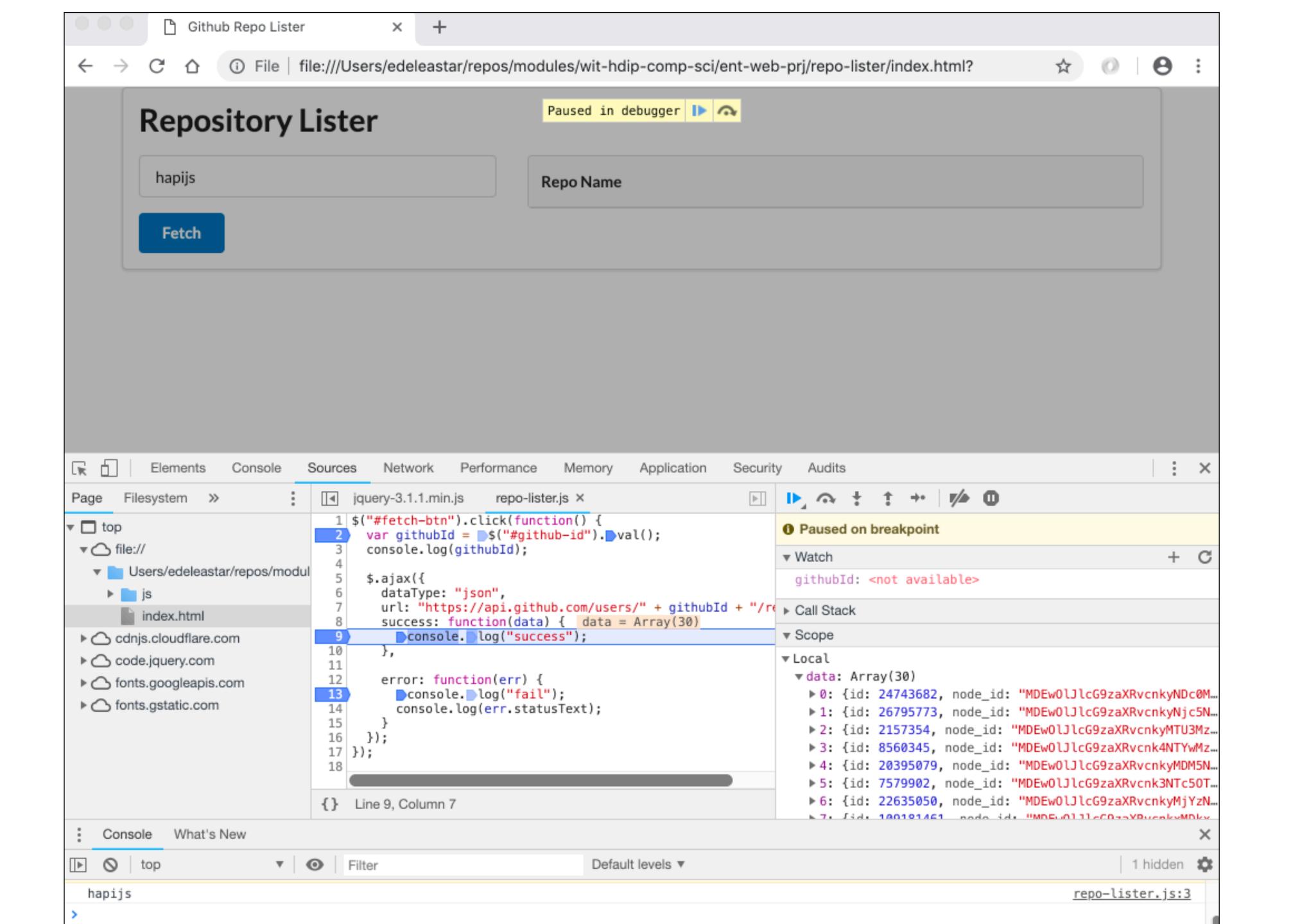




 Breakpoints facilitate exploration of JS data structures in 'Scope' panel

JQuery ajax call

```
$("#fetch-btn").click(function() {
  var githubId = $("#github-id").val();
  console.log(githubId);
  $.ajax({
    dataType: "json",
    url: "https://api.github.com/users/" + githubId + "/repos",
    success: function(data) {
      console.log("success");
    },
    error: function(err) {
      console.log("fail");
      console.log(err.statusText);
```



 Scope -> Locals to explore parameter returned by ajax call

```
|-
■ index.html
                style.css
                            repo-lister.js x
  1 $("#search_btn").click(function () {
      var userName = $("#username").val()
      console.log(userName);
      $.ajax({
       dataType: 'json',
        url: 'https://api.github.com/users/' + userName + '/repos',
        //data: {},
        success: function (data) { data = Array[30]
          console.log('success');
        error: function (err) {
          console.log('fail');
          console.log(err.statusText);
 16
     });
 17
 19 });
{} Line 11, Column 7
```

```
▼ Scope

▼ Local
 ▼ data: Array[30]
   ▼0: Object
       archive_url: "https://api.github.com/rep
       assignees_url: "https://api.github.com/r
       blobs_url: "https://api.github.com/repos.
       branches_url: "https://api.github.com/re
       clone_url: "https://github.com/hapijs/ac
       collaborators_url: "https://api.github.c
       comments_url: "https://api.github.com/re
       commits_url: "https://api.github.com/rep
       compare_url: "https://api.github.com/rep
       contents_url: "https://api.github.com/re
       contributors_url: "https://api.github.com
       created_at: "2014-10-03T01:53:04Z"
       default_branch: "master"
       deployments_url: "https://api.github.com
       description: "HTTP Accept-* headers pars
       downloads_url: "https://api.github.com/r
       events_url: "https://api.github.com/repo
       fork: false
       forks: 2
       forks_count: 2
       forks_url: "https://api.github.com/repos.
       full_name: "hapijs/accept"
      git_commits_url: "https://api.github.com,
      git_refs_url: "https://api.github.com/re
      git_tags_url: "https://api.github.com/re
      git_url: "git://github.com/hapijs/accept
       has downloads: true
```

```
▼ Scope

▼ Local
 ▼ data: Array[30]
   ▼0: Object
      archive_url: "https://api.github.com/rep
      assignees_url: "https://api.github.com/r
      blobs_url: "https://api.github.com/repos
      branches_url: "https://api.github.com/re
      clone_url: "https://github.com/hapijs/ac
      collaborators_url: "https://api.github.c
      comments_url: "https://api.github.com/re
      commits_url: "https://api.github.com/rep
      compare_url: "https://api.github.com/rep
      contents_url: "https://api.github.com/re
      contributors_url: "https://api.github.com
      created_at: "2014-10-03T01:53:04Z"
      default_branch: "master"
      deployments_url: "https://api.github.com
      description: "HTTP Accept-* headers pars
      downloads_url: "https://api.github.com/r
      events_url: "https://api.github.com/repo
      fork: false
       forks: 2
      forks_count: 2
      forks_url: "https://api.github.com/repos
      full_name: "hapijs/accept"
      git_commits_url: "https://api.github.com
      git_refs_url: "https://api.github.com/re
      git_tags_url: "https://api.github.com/re
      git_url: "git://github.com/hapijs/accept
```

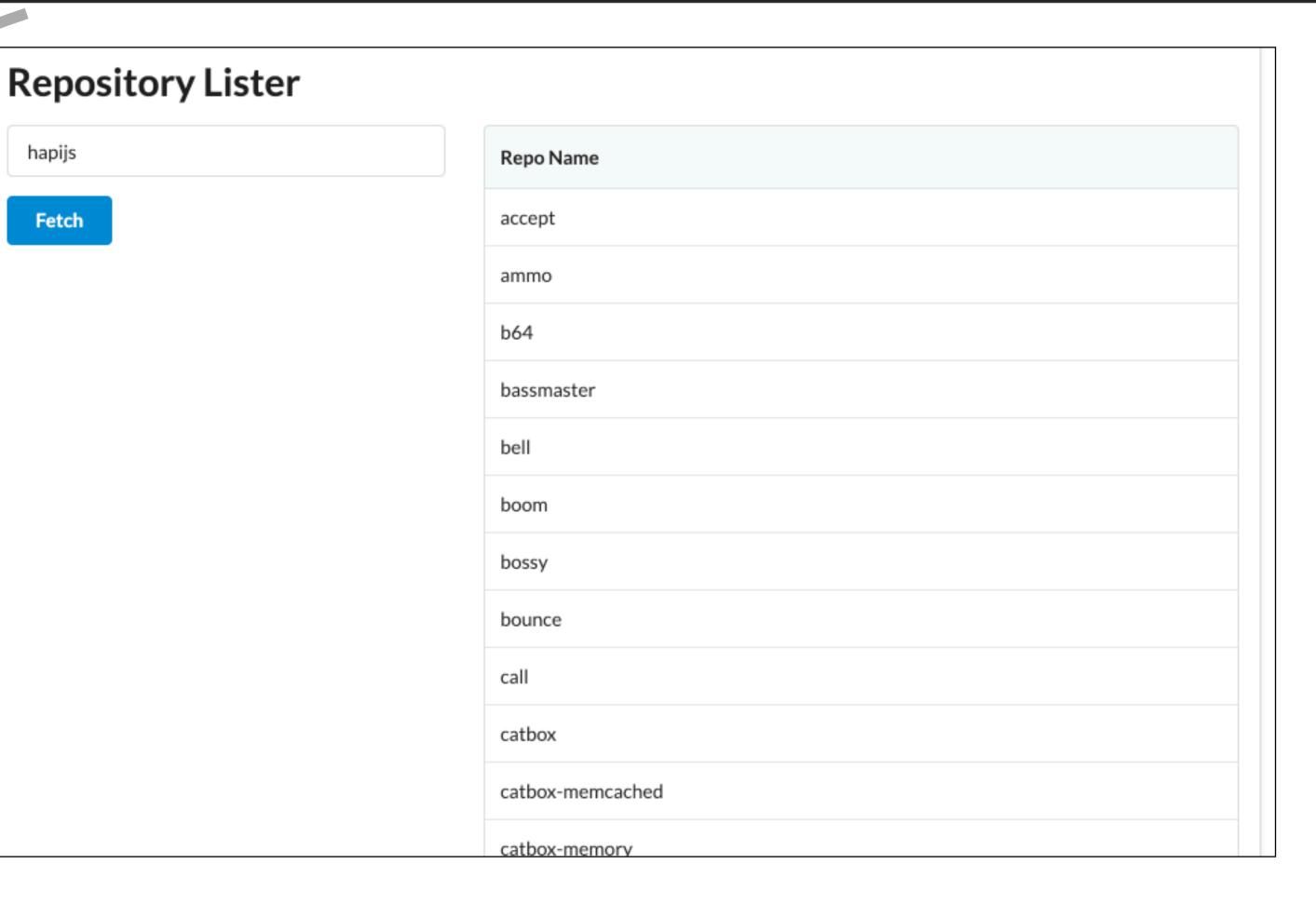
```
Browser console
```

```
success: function (data) {
   console.log('success');
   for (let i = 0; i < data.length; i++) {
      console.log(data[i].name);
   }
},</pre>
```

```
Console
                       ▼ □ Preserve log
hapijs
  success
  accept
  ammo
  b64
  bassmaster
 bell
 boom
 bossy
 call
 catbox
  catbox-memcached
 catbox-memory
 catbox-mongodb
 catbox-redis
 chairo
```

▼ Scope ▼ Local ▼ data: Array[30] ▼0: Object archive_url: "https://api.github.com/rep assignees_url: "https://api.github.com/r blobs_url: "https://api.github.com/repos. branches_url: "https://api.github.com/re clone_url: "https://github.com/hapijs/ac collaborators_url: "https://api.github.c comments_url: "https://api.github.com/re commits_url: "https://api.github.com/rep compare_url: "https://api.github.com/rep contents_url: "https://api.github.com/re contributors_url: "https://api.github.co created_at: "2014-10-03T01:53:04Z" default_branch: "master" deployments_url: "https://api.github.com description: "HTTP Accept-* headers pars downloads_url: "https://api.github.com/r events_url: "https://api.github.com/repo fork: false forks: 2 forks_count: 2 forks_url: "https://api.github.com/repos. full_name: "hapijs/accept" git_commits_url: "https://api.github.com git_refs_url: "https://api.github.com/re git_tags_url: "https://api.github.com/re git_url: "git://github.com/hapijs/accept

```
success: function(data) {
   console.log("success");
   for (let i = 0; i < data.length; i++) {
      $("#repo-table").append("<tr>" + data[i].name + "');
   }
},
```



```
function updateResult(result) {
    $("#result-msg").text(result);
}

function populateTable(repoList) {
    for (var i = 0; i < repoList.length; i++) {
        $("#repo-table tbody").append("<tr>" + repoList[i].name + "
}
}
```

```
$("#fetch-btn").click(function() {
   var githubId = $("#github-id").val();
   console.log(githubId);
  $.ajax({
     dataType: "json",
     url: "https://api.github.com/users/" + githubId + "/repos",
     success: function(data) {
       updateResult(data.length + " repos");
      populateTable(data);
     },
     error: function(err) {
      updateResult("Invalid id?");
});
});
```