



FEUP FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO

MIEIC – December 2017

Software Development in Practice

ESOF

Class 1 - Group F

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Index

1. Open Source Project	3
1.1. Why did we choose this Project?.....	3
1.2. How alive is this project?	3
1.3. How important is it?	3
1.4. What is it good for?.....	3
1.5. What are the technologies involved?	3
2. Issues.....	4
2.1. Issue #39549	4
2.2. Issue #39606	6



1. Open Source Project

1.1. Why did we choose this Project?

Visual Studio Code was launched on the 29th of April, in 2015 and was developed by Microsoft.

One of the reasons for the class to choose this project is because it was "alive" enough for us to get some feedback from the developers.

Also, it had a tremendous amount of issues to be fixed. That means that there are a lot of options for all groups to choose an issue and fix it.

1.2. How alive is this project?

Visual Studio Code has almost daily updates and the community seems to be very active.

Since its creation it's been famously growing in the developing community.

There are currently around 4000 open issues, nearly 5000 contributors and over 27000 commits.

1.3. How important is it?

Visual Studio is becoming more and more used and loved among programmers because it has a lot of important and useful tools such as Git, IntelliSense, auto-completion and many more that help the life of many programmers.

1.4. What is it good for?

Editing, building and debugging with ease.

It is able to incorporate different languages in the same code editor, with multiple extensions.

IntelliSense™ Technology allows for easier coding and auto-completion.

1.5. What are the technologies involved?

Visual Studio Code is developed using TypeScript as the programming language. It also uses a well-known library called Electron which allows the creation of a desktop application using web based programming languages such as JavaScript, HTML and CSS for all platforms (Windows, Linux and MacOS).



2. Issues

2.1. Issue #39549

Issue:

<https://github.com/Microsoft/vscode/issues/39549>

Description:

When searching for the files to include/exclude, they were separated by a comma, but should be separated by a ';' instead, like what happens in Visual Studio.

search 'files to include/exclude' should allow ';' as a separator #39549

Closed

draeger-charles-wilson opened this issue 3 days ago · 4 comments

New issue

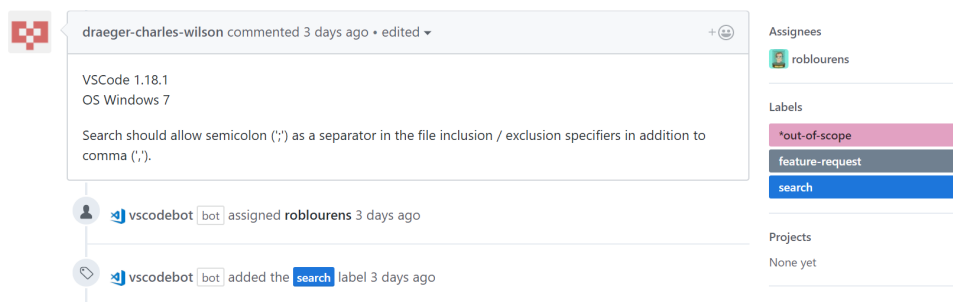


Fig 1: Issue #39549 description by the issue's submitter

Requirements:

In terms of user stories, we can explain our requirements in this way:

As <User> <searching for something in files to include/not in files to exclude>, I want <to separate the different files with ';' > because <the separator in proper VisualStudio is a semicolon>.

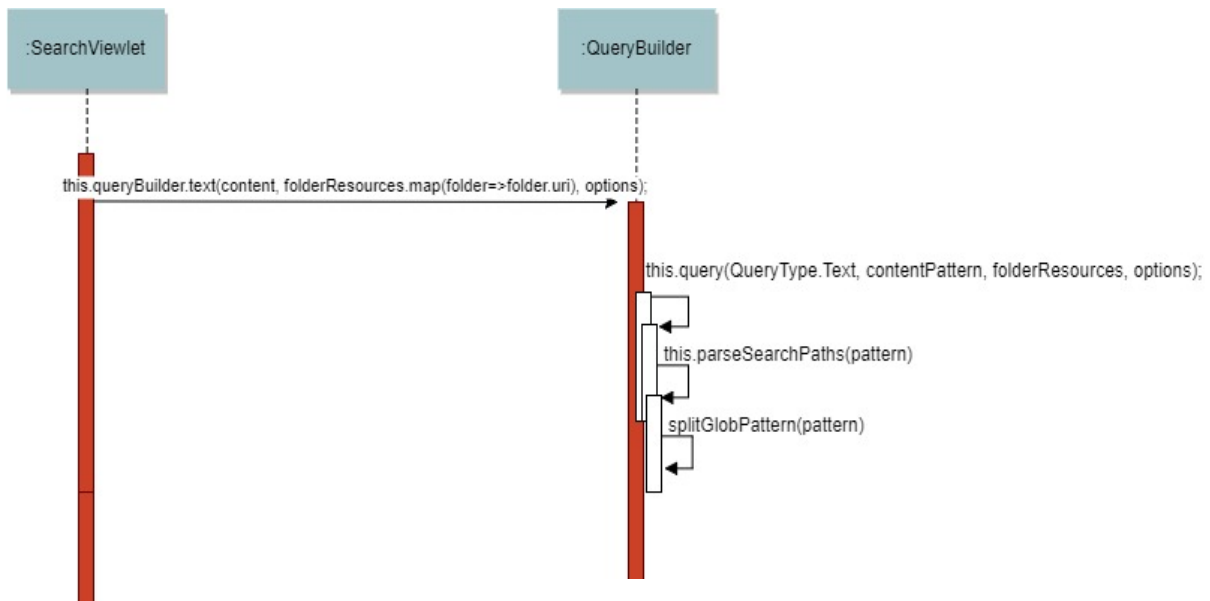
Source code files:

In order to solve the issue, we made a change in the function `splitGlobPattern(pattern: string)`, which can be found in the line 306, in the file [vscode/src/vs/workbench/parts/search/common/queryBuilder.ts](https://github.com/Microsoft/vscode/blob/master/src/vs/workbench/parts/search/common/queryBuilder.ts).



Design of the fix:

With this simple UML, we are trying to show the sequence of function calls that allowed us to plan and find the correct place to solve the issue:



etc... And it was in this function that we changed the ',' separator to ';'

Fix source code:

src/vs/workbench/parts/search/common/queryBuilder.ts | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

```

diff --git a/src/vs/workbench/parts/search/common/queryBuilder.ts
b/src/vs/workbench/parts/search/common/queryBuilder.ts
index 5c8e0d65015..5c0cabdd0aa 100644
--- a/src/vs/workbench/parts/search/common/queryBuilder.ts
+++ b/src/vs/workbench/parts/search/common/queryBuilder.ts
@@ -304,7 +304,7 @@ function patternListToExpression(patterns: string[]):
glob.IExpression {
}

function splitGlobPattern(pattern: string): string[] {
-   return glob.splitGlobAware(pattern, ',')
+   return glob.splitGlobAware(pattern, ';')
       .map(s => s.trim())
       .filter(s => !!s.length);
}
  
```

Pull Request:

<https://github.com/Microsoft/vscode/pull/39821>



2.2. Issue #39606

Issue:

<https://github.com/Microsoft/vscode/issues/39606>

Description:

Allow for Html code completion for scripts.

In this case, this user wanted to type some parts of script/Html relatable code and have VSCode automatically suggest the completion of it.

YanQi-Zhang commented 2 days ago

- VSCode Version: Code 1.18.1 (929bacb, 2017-11-16T18:32:36.023Z)
- OS Version: Windows_NT x64 10.0.16299
- Extensions:

Extension	Author (truncated)	Version
vscode-eslint	dba	1.4.3
vscode-html-css	ecm	0.1.8
open-in-browser	tec	1.1.0

(1 theme extensions excluded)

Steps to Reproduce:

1. <script type="">
In the type tag
The code can not be automatically completed
For example, can not be automatically completed: text/javascript

Reproduces without extensions: Yes/No

Assignees: aeschli

Labels: feature-request, html

Projects: None yet

Milestone: [Progress bar]

Backlog

Notifications: [Subscribe button]

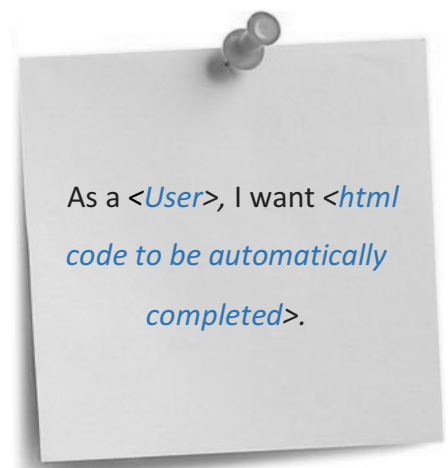
You're not receiving notifications from this thread.

3 participants

Fig 2: Issue #39606 description by the issue's submitter

Requirements:

In terms of user stories, we can explain our requirements in this way:



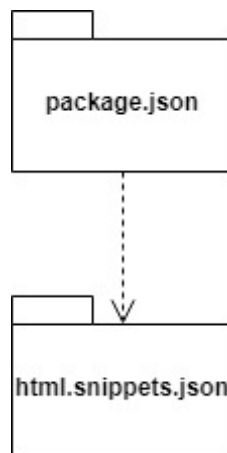
Source code files:

In order to solve the issue, we added new snippets in file [extensions/html/snippets/html.snippets.json](#), from lines 24 to 55.

Design of the fix:

To solve this issue, we thought of how VSCode could suggest code completion.

We thought a good way would be to add some snippets. Since this issue was specific to html code, we found the place where these snippets were mentioned and followed the path:

**Fix source code:**

extensions/html/snippets/html.snippets.json | 33

+++++

1 file changed, 33 insertions(+)

diff --git a/extensions/html/snippets/html.snippets.json
b/extensions/html/snippets/html.snippets.json

index 7a858455a69..777b5fdce28 100644

--- a/extensions/html/snippets/html.snippets.json

+++ b/extensions/html/snippets/html.snippets.json

@@ -18,5 +18,38 @@

"</html>"

],

"description": "Simple HTML5 starting point"

+ },

+

+

+

+ "Script Type": {

+ "prefix": "type",

+ "body": [

+ "\$1|type= text/javascript,type= application/javascript|}"

+],

+ "description": "Define type to text/javascript"

+ },

+

+ "Script async": {

+ "prefix": "as",

+ "body": [

+ "\$async></script>"

+],

+ "description": "Script is run as soon as it is downloaded"

+ },

+



```
+   "Script defer": {
+       "prefix": "def",
+       "body": [
+           "defer></script>"
+       ],
+       "description": "Script is executed only when the page is loaded and
in order."
+   },
+
+   "Script source": {
+       "prefix": "sr",
+       "body": [
+           "src=\"${1:foo}.js\" "
+       ],
+       "description": "External script being used here."
+   }
+ }
```

Pull Request:

<https://github.com/Microsoft/vscode/pull/39839>