Subject: [BUG] TheIDE hangs when Assist/THISBACKs menu is called in certain files
Posted by Oblivion on Thu, 07 Jun 2018 19:12:49 GMT
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Hello,

I've tested this on Linux 4.16.13, x86_64, with Theide (latest build), Flags: GUI (Gnome 3.28), MT, SSE2, both DEBUG and RELEASE modes.

Unfortunately I didn't have access to Windows-based machine at the time, so I cannot confirm it on that platform for a while.

TheIDE's callbacks menu doesn't work on certain files. It hangs with constant disk I/O.

Reproducible: always.

Steps to reproduce:

1) Load ide package on TheIDE

2) Open Debug.cpp file.

3) Attempt to open Assist -> THISBACKs menu

Result: TheIDE hangs.

I tracked down the source of problem to Thisbacks.cpp, ln: 120-126 (at first glance it looks like there is a problem with recursion, but I am not sure)

Code seems to be stuck at here (ThisbacksDlg::GatherCallbacks):

```
 for(int i = 0; i < n.GetCount(); i++) {
  const CppItem& m = n[i];
  if(m.IsData() && !IsCb(m.qtype)
     && m.natural.Find('&') < 0 && m.natural.Find('*') < 0
     && m.access <= access
     && !m.name.StartsWith("dv___"))
   GatherCallbacks(pfx + "." + m.name, done, m.qtype, min(access, (int)PUBLIC));
 }
```

Edit: Ok, now I can confirm this on Windows too. It is also reproducible under Windows 7/10.

Best regards,

Subject: Re: [BUG] TheIDE hangs when Assist/THISBACKs menu is called in certain files
Posted by mirek on Thu, 21 Jun 2018 10:09:07 GMT
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Hopefully fixed. I have also renamed THISBACK to THISFN. (That said, we might want to have option to produce lambdas there too).