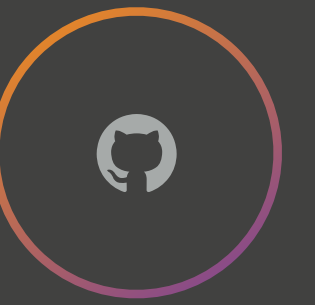




GitHubifying yr codez

Editor Tools team

The Editor Tools team



Design and Product

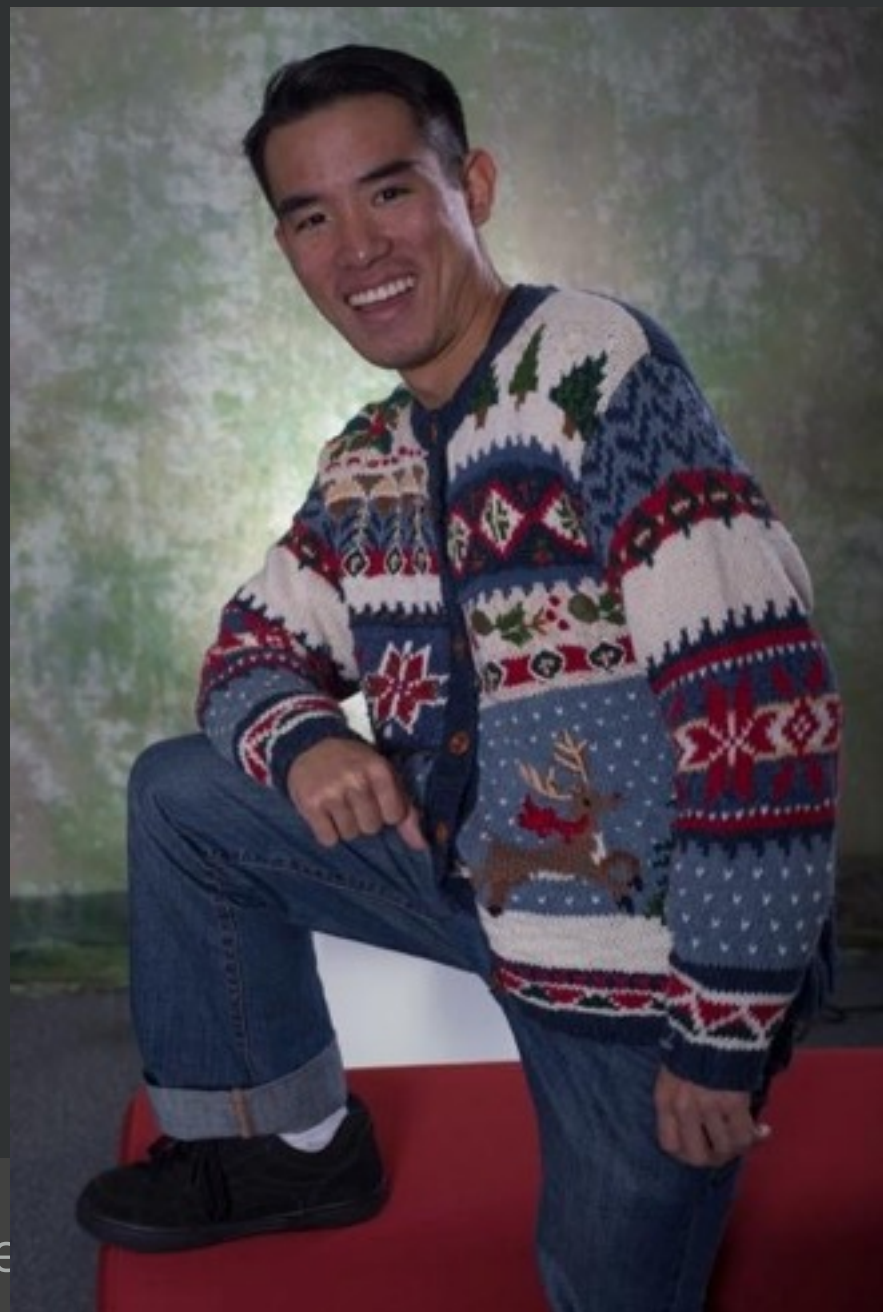
@pmn



@saraford



@donokuda



@shana



@grokys



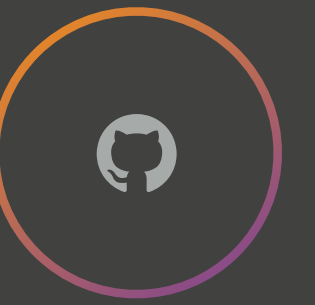
@paladique




QA




@femisimon





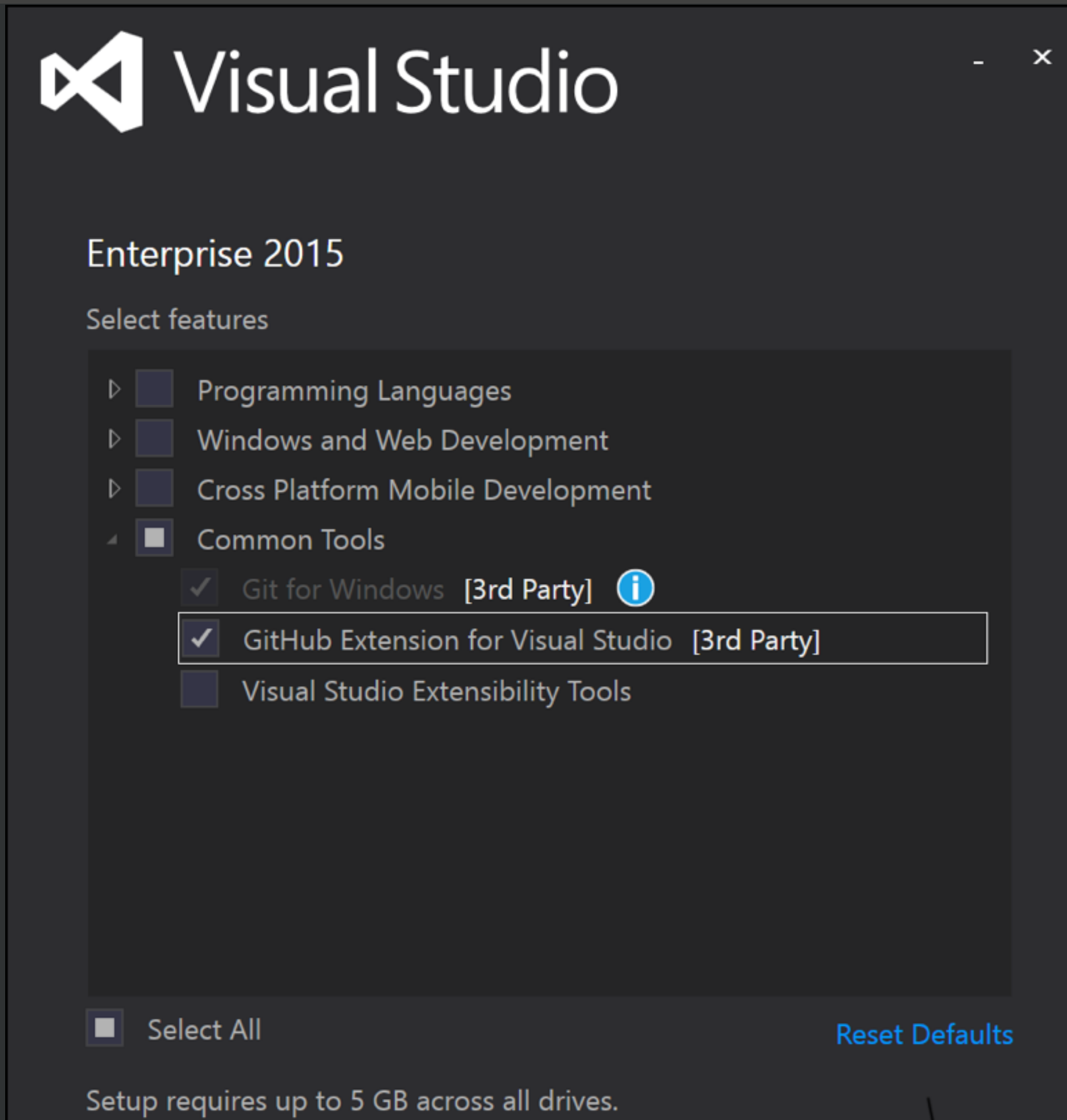
- **Started December 12, 2014**
- **Launched April 29 2015 at BUILD**
- **Partnered with Microsoft**
- **Access to preview APIs and private VS builds in order to ship on day one**

Commits on Dec 12, 2014

 **Let's get this party started!** 

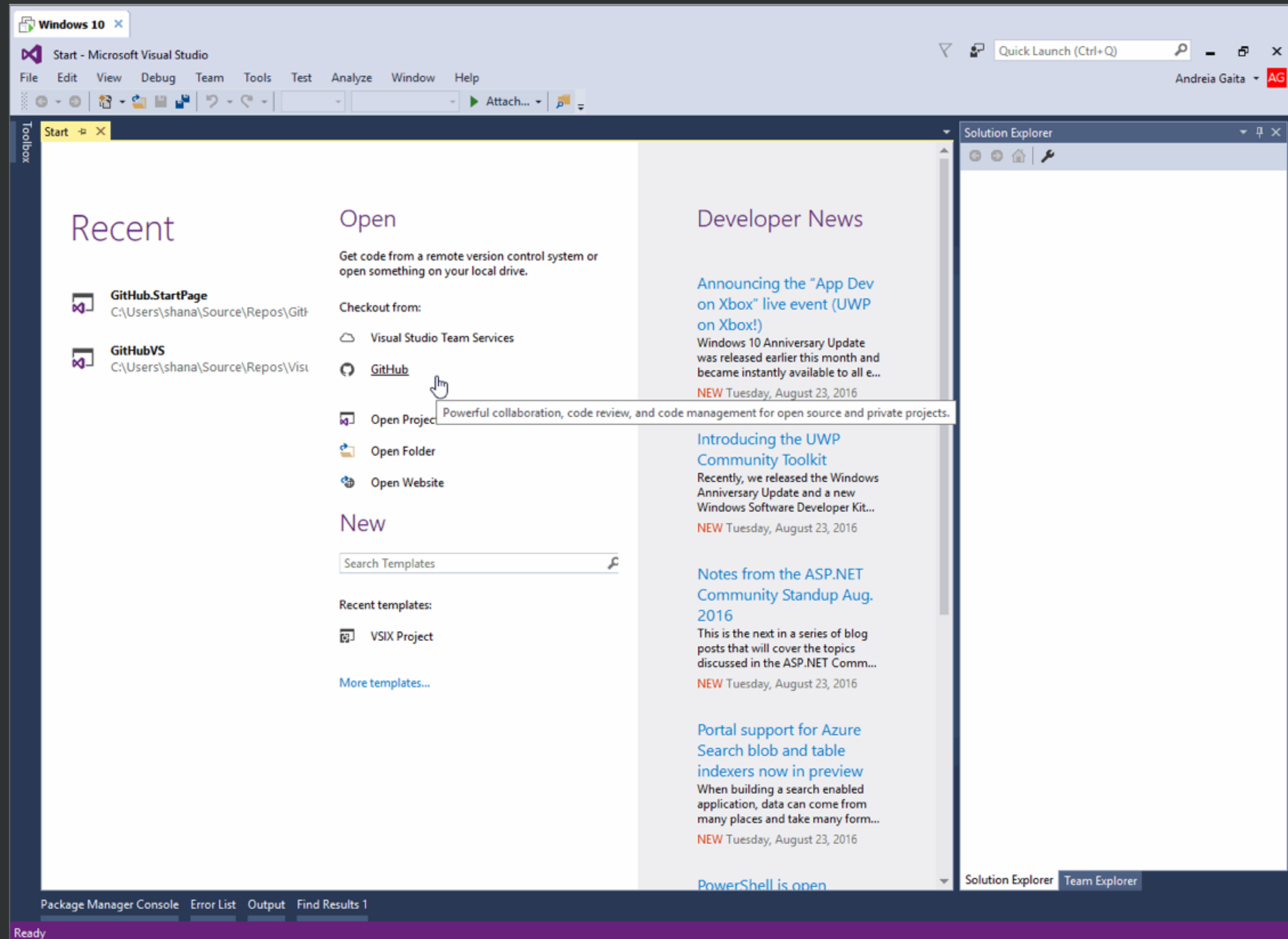
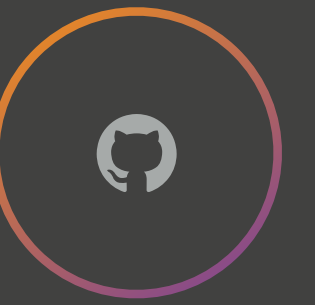
Haacked committed on Dec 12, 2014

Shipped with the Visual Studio installer



The new VS Start Page

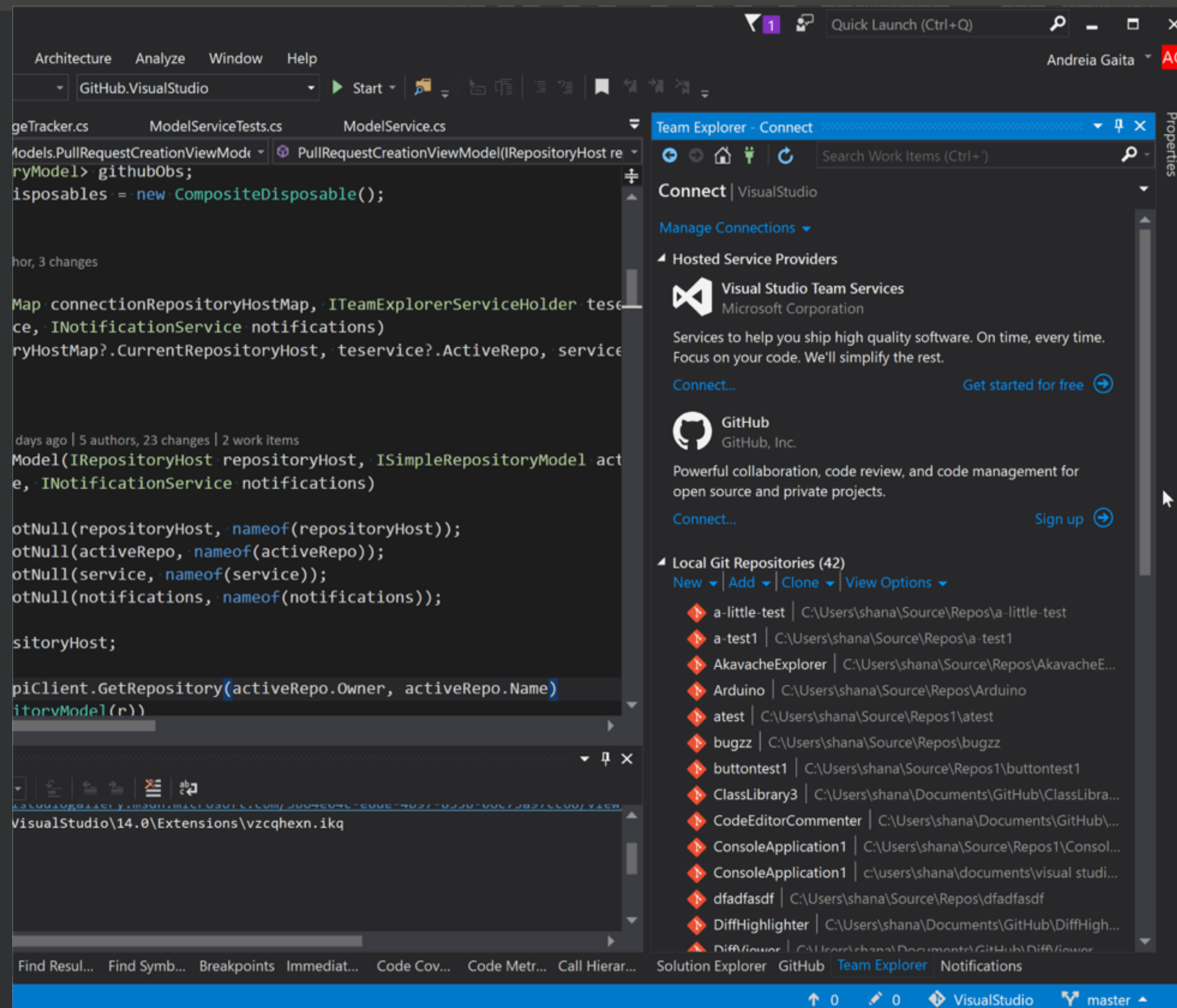
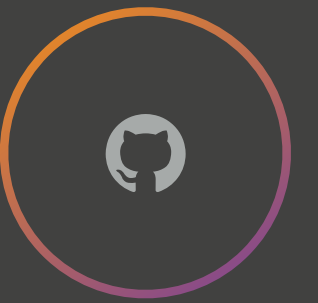
Visual Studio "15" Preview 4



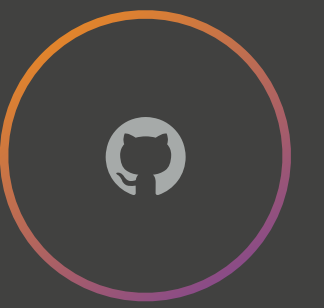


What is a GitHub integration?

Integration Level 1 - Authentication



Integration Level 2 - Cloning, creating, publishing




Team Explorer - Synchronization

Search Work Items (Ctrl+')

Publish | MyLittleProject

Backup and share your code. Publish it to a Git service.


▲ Publish to Visual Studio Team Services

 **Team Services**
Microsoft Corporation


Free unlimited Git repos, code review, work items, build, and more. [Learn more](#)

[Publish Git Repo](#)

▲ Publish to GitHub

 This repository does not have a remote. Fill out the form to pu...

GitHub

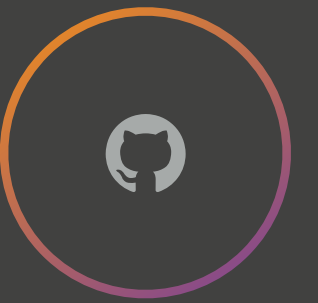
 evilshana

MyLittleProject

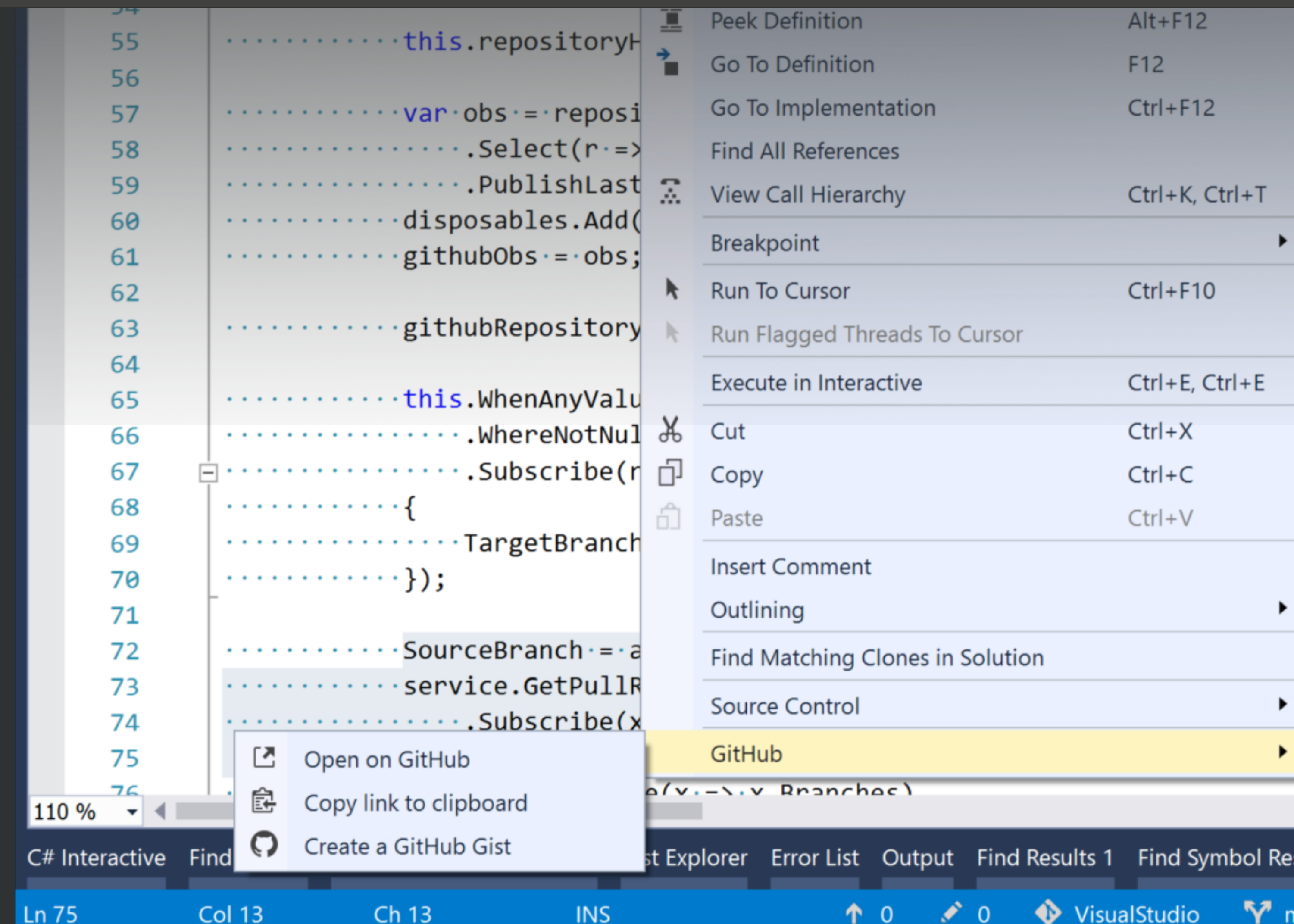
☐ Private Repository

[Publish](#)

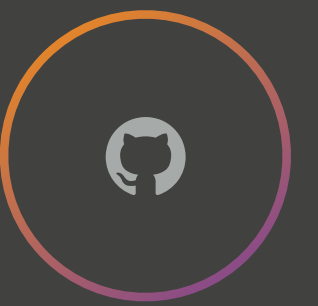
Integration Level 3 - Collaboration



Now we're getting to the fun stuff!



Integration Level 3 - Collaboration



Quick Launch (Ctrl+Q) Andreia Gaita AG

GitHub Pull Requests | VisualStudio

Open Assignee Author Create New

- Removed TempFileBaseClass.
#544 21 minutes ago by grokys
- Small refactor of repository models.
#537 45 minutes ago by grokys
- Fix refresh of PR list switching to "create" fo...
#542 6 hours ago by OlsonAndrewD
- pt-BR translation
#538 6 hours ago by glaubergft
- Clear Pull Request Form when canceled or...
#523 18 hours ago by paladique
- [WIP] Generate Copy/Open link based on t...
#510 1 day ago by paladique

GitHub | VisualStudio

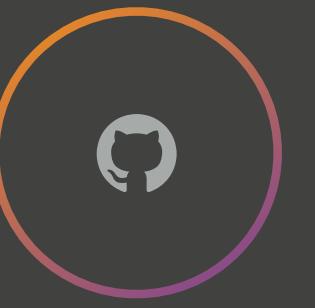
master < fixes/543-test-temp-files

Let's fix these tests!

Description

Cancel Create pull request

Solving the annoying bits in between



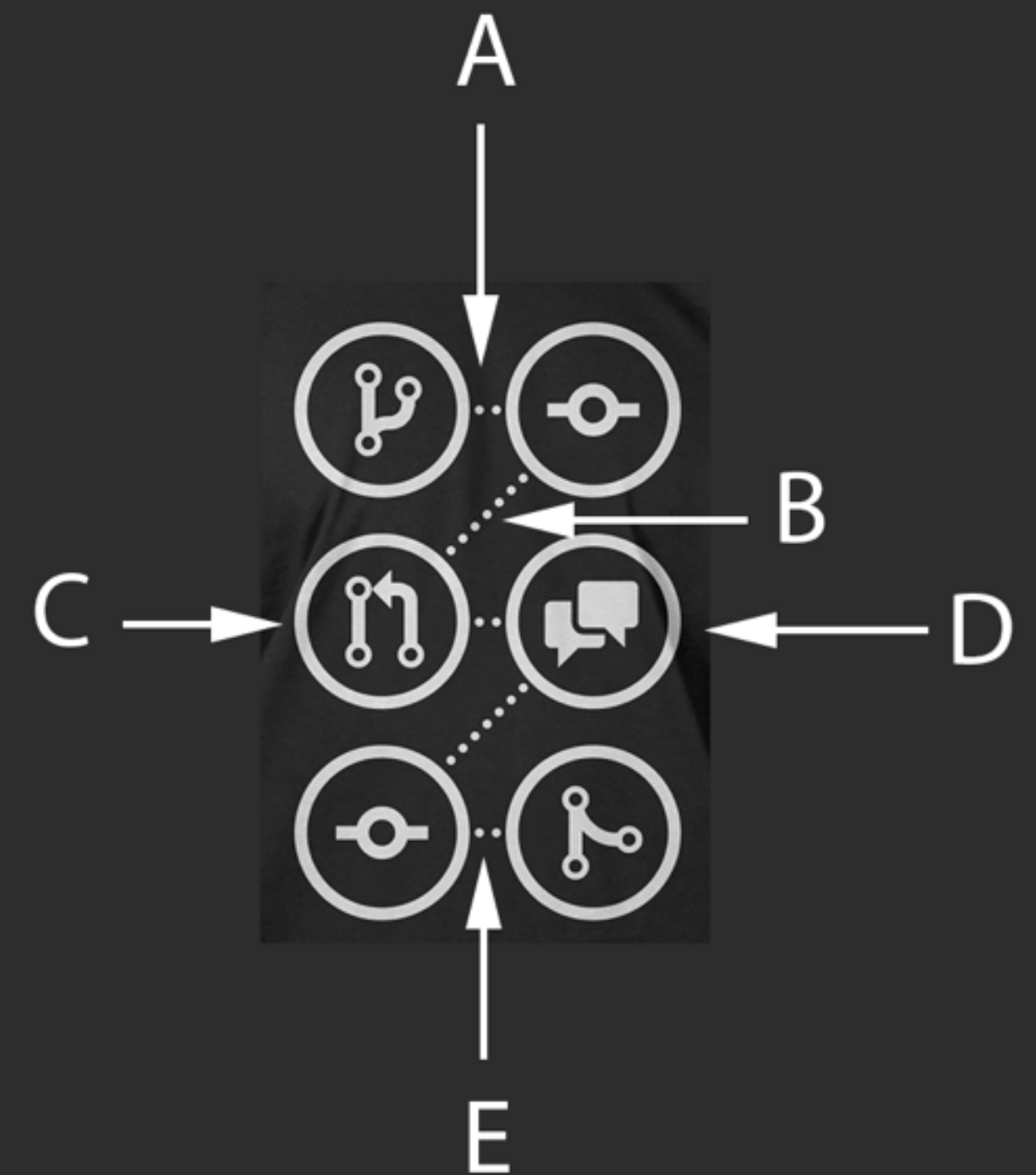
A: To get to a working branch, contributor has to fork, clone, find interesting issue, indicate desire to work on it, create branch.

B: To create a PR, contributor has to push and fill out PR information, preferably with mention of the original issue.

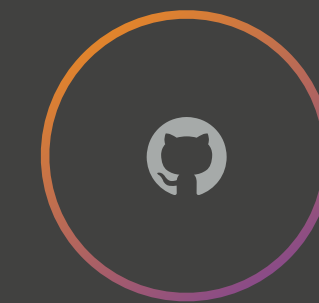
C: For maintainer to review locally, they have to create a new branch tracking the PR branch, check it out, get a list of changed files so they can jump to diffs and to the actual files

D: Contributor is notified of new comments, could use a list of files with line comments to easily tackle feedback

E: Maintainer is notified of new commits to PR, needs to sync their local checkout and figure out what was changed.



Mapping the workflows



- **Maintainer workflow**
 - <https://github.com/github/VisualStudio/issues/491>
- **Contributor workflow**
 - <https://github.com/github/VisualStudio/issues/492>



And then the **really** fun stuff!

Integration Level 4 - Rich code metadata

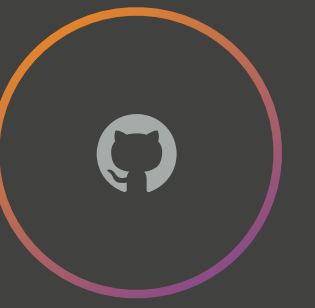


37
38
39
40
41
42
43
44
45
46
47
48
49

```
.....readonly·CompositeDisposable·disposables·=·new·CompositeDisposable();  
  
.....[ImportingConstructor]  
.....0 references | Andreia Gaita, 29 days ago | 1 author,  
.....PullRequestCreationViewModel(  
.....IConnectionRepositoryHostMap  
.....IPullRequestService·service,  
.....:·this(connectionRepositoryH  
.....notifications)  
.....{}  
  
.....4 references | 0/2 passing | Andreia Gaita, 21 days ago | 5 authors, 23 changes | 2 open pull requests  
.....public·PullRequestCreationViewModel(IRepositoryHost·repositoryHost,·ISimpleRepositoryModel·activeRepo,  
.....IPullRequestService·service,·INotificationService·notifications)  
.....{
```

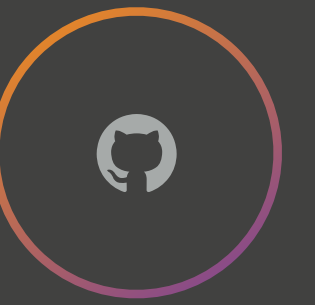
Commit ID	Description	Author	Date
c3468466	Dispose form when leaving it, try not to leak	Andreia Gaita (shana@spoi...	8/19/2016
851074b9	Show a message when PR is created upstream	Andreia Gaita (shana@spoi...	8/18/2016
e82d69f7	Fix PR template loading return value to be sane	Andreia Gaita (shana@spoi...	8/17/2016
220ce431	Implement creating PRs in forks and pushing branches	Andreia Gaita (shana@spoi...	8/11/2016
fcad6d5f	Merge branch 'master' into feature/463-pr-template	Andreia Gaita (shana@spoi...	8/11/2016
4d3c29a6	Fixed up unit test. Correctly mock the repository state in...	Steven Kirk (grokys@gmail...	8/10/2016
d47e72c0	Added PR template unit test.	Steven Kirk (grokys@gmail...	8/10/2016

Information at the code level



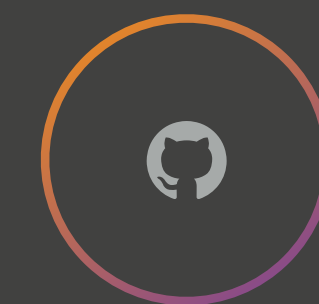
- Who last touched a block of code
- Who is currently touching this code in other branches or PRs
- Inline comments for this code on open PRs that haven't been "resolved" yet
- Quickly turning a TODO, comment or piece of code into an issue
- ... and more!

Leveraging code history



- Quickly see who is calling a method, when that caller was added, which PR added it, which issues are associated with it, what tests were introduced
- History navigation at the project, file or code block level - see how a method has evolved over time with back/forward buttons
- Easily jump between PR commits to build and run tests, run bisections in the IDE
- ... and more!

And more information, everywhere!

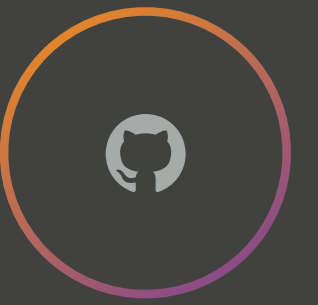


- CI status per test / per logical code block
- Inline code discussions available while you're coding
- Notifications relevant to the current project
- ... I'm running out of ideas, but I'm sure you have some!



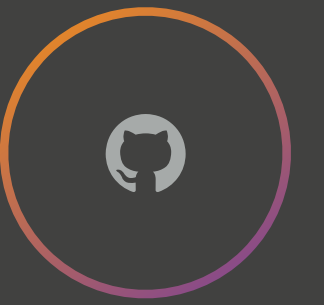
World domination plans

Visual Studio is just the beginning

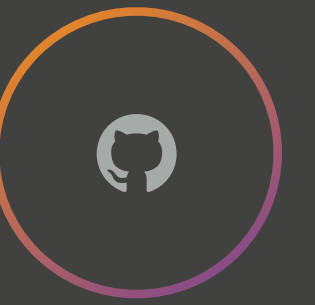


- **Baseline for building and polishing features**
 - We figure out what works, and we take that into other IDEs
- Currently looking at Unity3D and the JetBrains family of IDEs
- Evaluation guidelines at <https://github.com/github/editor-tools/blob/master/editor-tools.md#tool-evaluation>

We are your third-party integrator, in house



- **We can:**
 - Come up with use cases for how we would use your feature via the API
 - Provide an outside perspective
- **We would:**
 - **Love to ship support for new features as they're available on .com!**
 - ... but, alas, we're a small team, hard to keep up with everything!
 - ... but, we're hiring! Know any good C# developers? ;)



- **Slack:** #editor-tools
- **Mention:** @github/editor-tools
- **Repo:** <https://github.com/github/editor-tools>
- **Roadmap:** <https://github.com/github/editor-tools/blob/master/ROADMAP.md>

- GHfVS website: <https://visualstudio.github.com>
- GHfVS repo: <https://github.com/github/VisualStudio>

Oh yeah, I forgot to mention... this is all open source!

