



Lecture 11

Visual Git Tools: SourceTree and KDiff3

Schedule

- Today (11/14): SourceTree and other Visual Tools
- 11/21: NO CLASS – Thanksgiving
- Last Lecture (11/28): Plumbing and Porcelain
- Last Class (12/5): Final Exam

What we've done so far

- Used git in the terminal
 - Best for learning (in my opinion!)
 - Hopefully no magic!
- Used Github's UI
 - Great for collaborating with others
 - Also check out [GitLab](#) and [Bitbucket](#)
 - Can't do everything



Atlassian SourceTree

GUI for Git

<https://www.sourcetreeapp.com/>

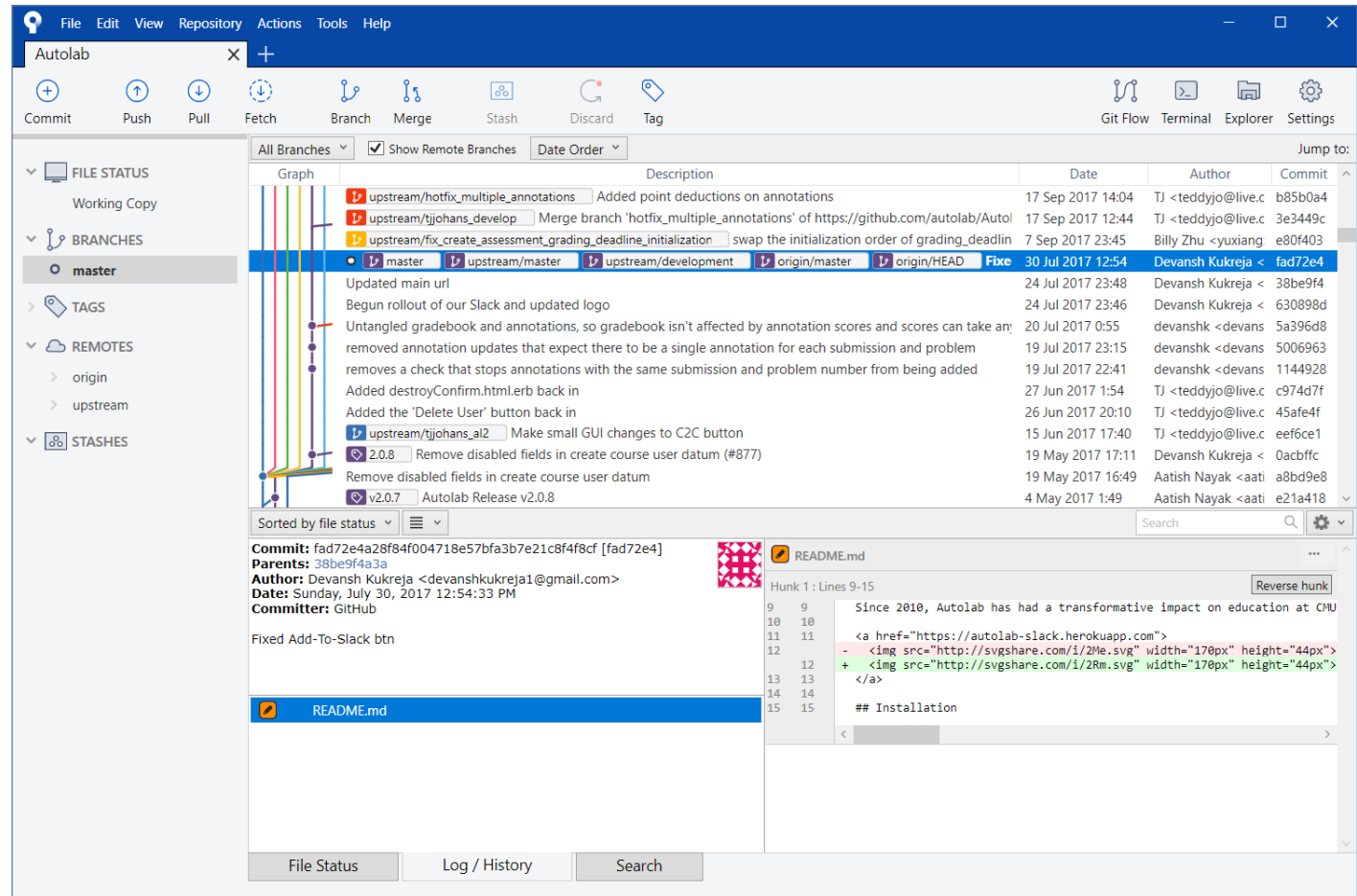
Produced by Atlassian

You need an Atlassian account to install SourceTree for some reason



SourceTree's powers

- Almost everything in the terminal can be done just as easily as in SourceTree
- The UI is often more intuitive
- SourceTree shows you things like graphs and diffs along the way without you having to ask



KDiff3

Visual Merge Tool

<http://kdiff3.sourceforge.net/>

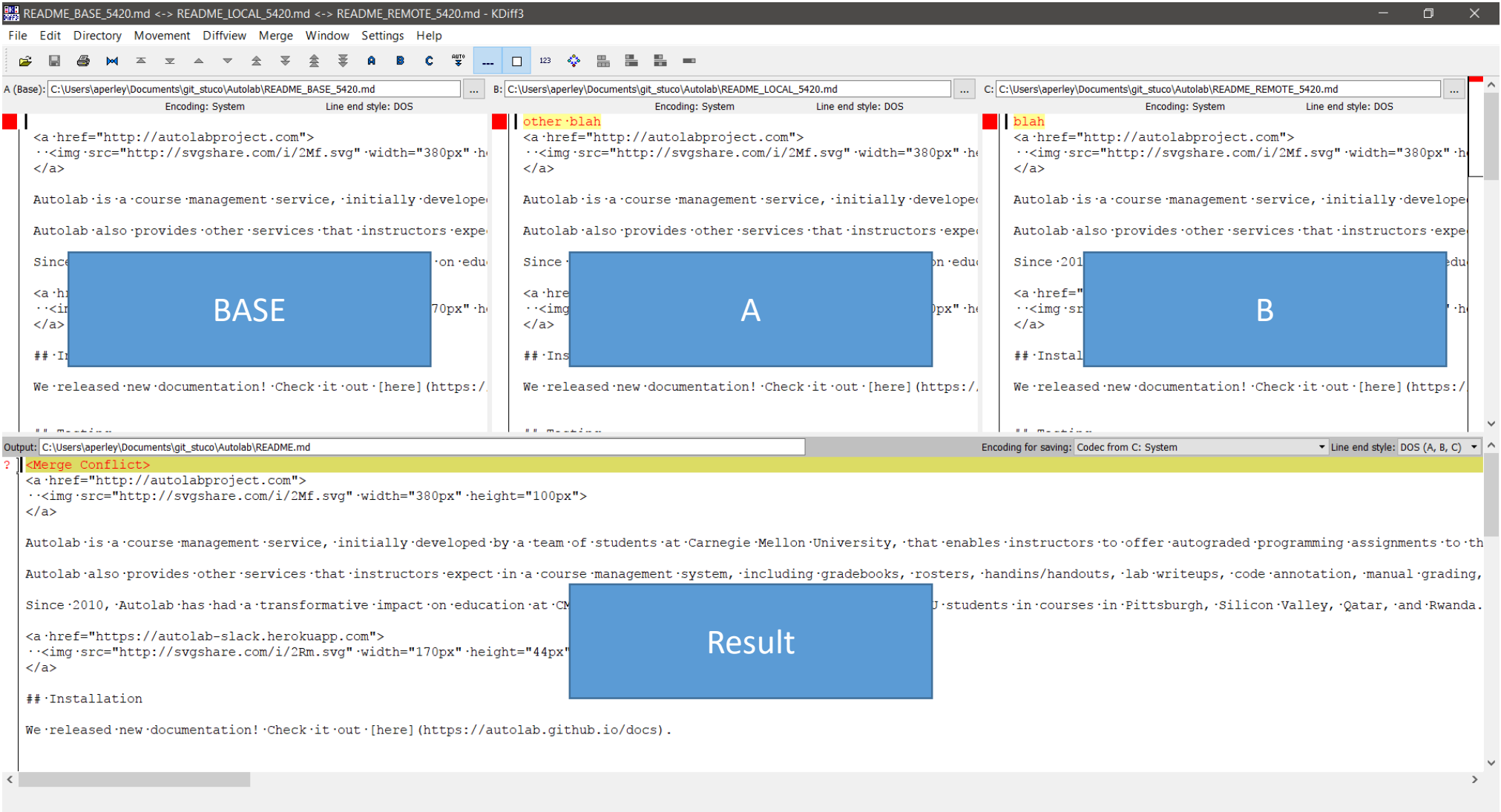
Kind of ugly but much easier than manually dealing with conflict markers

Performs a 3-way merge between BASE, A, and B

Can configure command line git to use it as well:

```
git config --global merge.tool kdiff3
```

KDiff3



Activity

We've done this before...

1. Open your clone of your fork of the squirrel story repo in SourceTree
2. Fetch from upstream
3. Get your master branch up to date with upstream/master
4. Checkout the finally-finish-story branch locally
5. Squash the two commits on the finally-finish-story into one
6. Merge finally-finish-story into master
7. Make a tag called finished-story
8. Push master and the tag to your fork on Github