

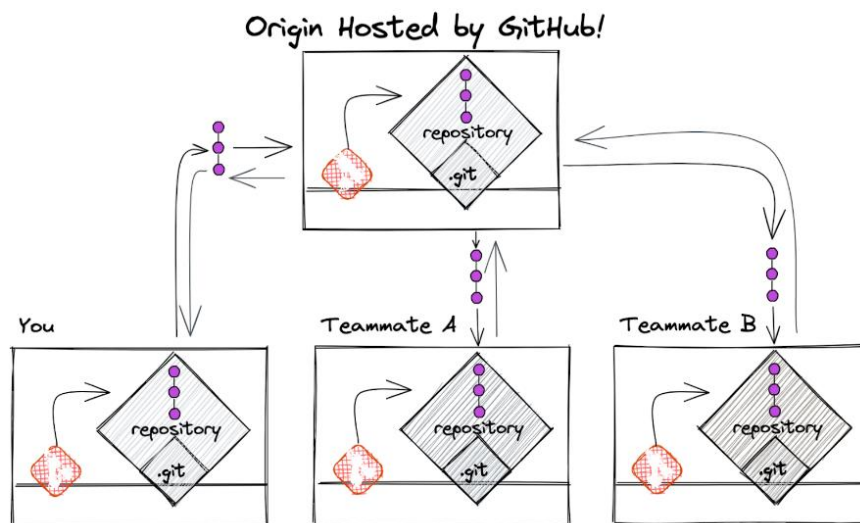
Overview of Software and Integrated Development Environments (IDEs)

Git – Git is an open-source tool that allows for source code to be managed and shared easily (Git, n.d)

GitHub – GitHub is a web application where codes in a personal Git can be uploaded or where codes from another individual's git can be downloaded

GitKraken – Git's interface (Fareed, 2022)! The interface for tracking codes in Git and uploading/receiving codes from GitHub (push/pull)

Git, GitHub, and GitKraken are intertwined – Git is where the software 'lives', GitKraken allows you to access it and share it to a local source, and GitHub is that local source that GitKraken shares to via push and pull options in a repository. This image nicely shows how GitHub is the 'Host' of Git, and how GitKraken interacts via the pushes and pulls (Bakos, 2021):



Python – A programming language which is accessible via an IDE

Anaconda – A Python distributor (not an IDE, for example the IDE with Anaconda for running Python is Spyder). It can also hold other languages such as RStudio, Jupyter, MATLAB, VS Code, etc. and it allows for simplified package management and deployment.

Conda – Package, dependency and environment management for any language that is reviewed and maintained by Anaconda (Conda, n.d.). It allows for packages to be installed and updated and creates, saves, loads, and switches between environments.

VS Code – An IDE! Although, according to their website, VS code is a streamlined code editor that aims to support simpler workflow and leaves complex projects to fuller featured IDEs (Visual studio, n.d.)

Jupyter – A web-based computing platform that allows for live code to easily be shared and visualized. Jupyter ships with the IPython kernel for writing Python scripts but also has over 100 other kernels (Discoll, n.d.)

Citations

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