

# Working with Repositories

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# Overview



Understanding repositories

Connecting with GitHub locally

Working with special files

Administering your repository



# Understanding Repositories

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**Repositories are the building block of GitHub**

- “Folder” for your project

**Public or private**



# GitHub Is The Remote

Working  
directory

Staging area

.git repo

GitHub repo



# Repository Landing Page

[GillCleeren](#) / [BethanysPieShopHR](#)

[Unwatch](#) 6

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[Fork](#) 1

[Code](#) [Issues 1](#) [Pull requests 0](#) [Actions](#) [Projects 0](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

Server-side Blazor project [Edit](#)

[Manage topics](#)

19 commits


3 branches








0 packages



0 releases

3 contributors

Branch: master [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#)

 [gill-orange](#) HttpClientFactory in server included Latest commit 04c7367 on Nov 5

 <a href="#">BethanysPieShopHRM.Api</a>	HttpClientFactory in server included	2 months ago
 <a href="#">BethanysPieShopHRM.ComponentsLibrary</a>	Typo in Component folder name changed	2 months ago
 <a href="#">BethanysPieShopHRM.Server</a>	HttpClientFactory in server included	2 months ago
 <a href="#">BethanysPieShopHRM.Shared</a>	Clean up	2 months ago
 <a href="#">.gitignore</a>	Initial commit	2 months ago
 <a href="#">BethanysPieShopHRM.sln</a>	Typo in Component folder name changed	2 months ago
 <a href="#">README.md</a>	Update README.md	2 months ago

 [README.md](#) 

## BethanysPieShopHR

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Code for the Blazor: Getting Started course on Pluralsight.



# Demo



## Working with repositories on GitHub



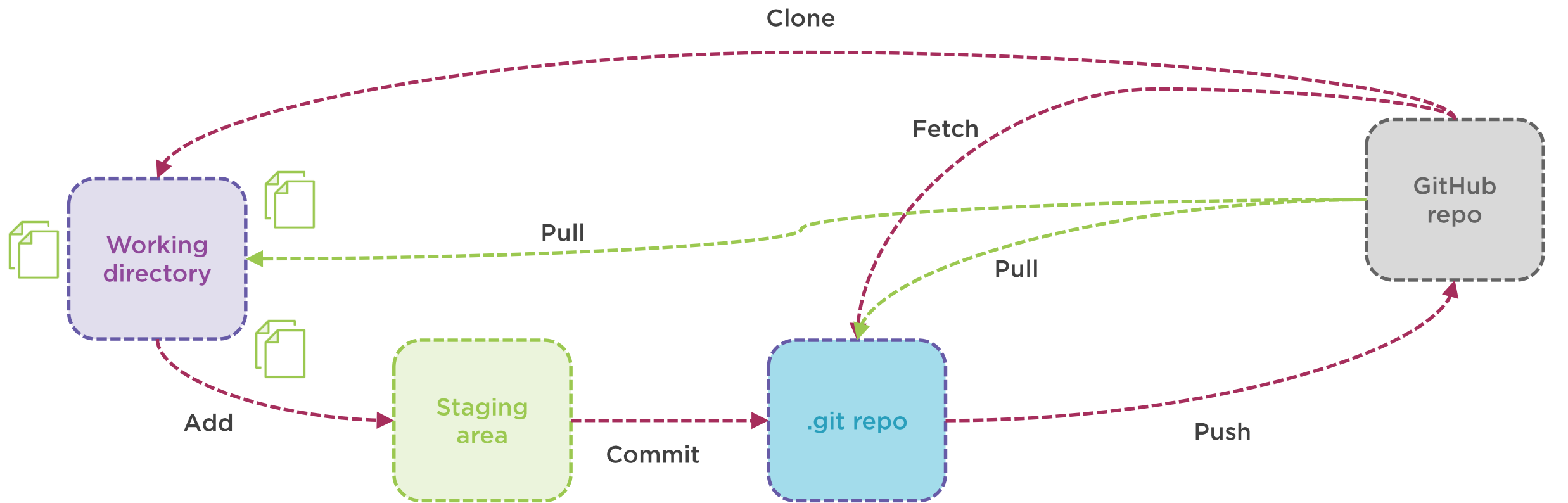
# Connecting with GitHub Locally

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# Using Git Commands with GitHub



# Demo



Cloning a repository

Making local changes

Pushing to GitHub



# Demo



Working with multiple people on a repository

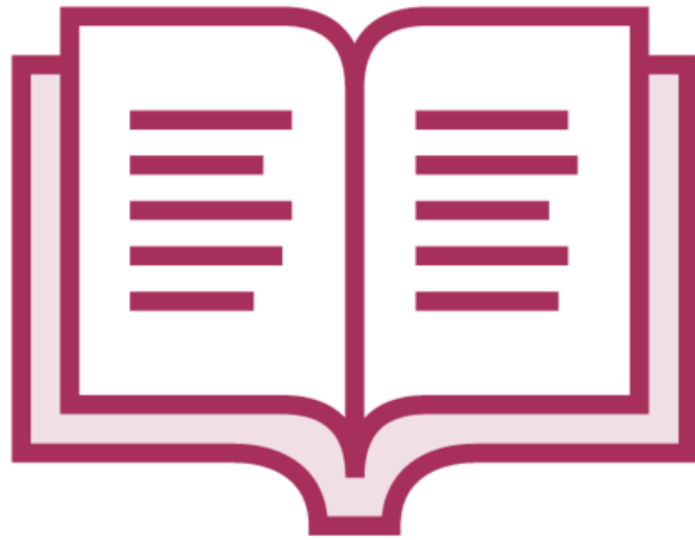
Fetching and pulling changes



# Working with Special Files

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**README is special file known by GitHub**

- Root, .github or docs folder

**Rendered automatically on landing page**

**Typically written in markdown (.md)**



# README File

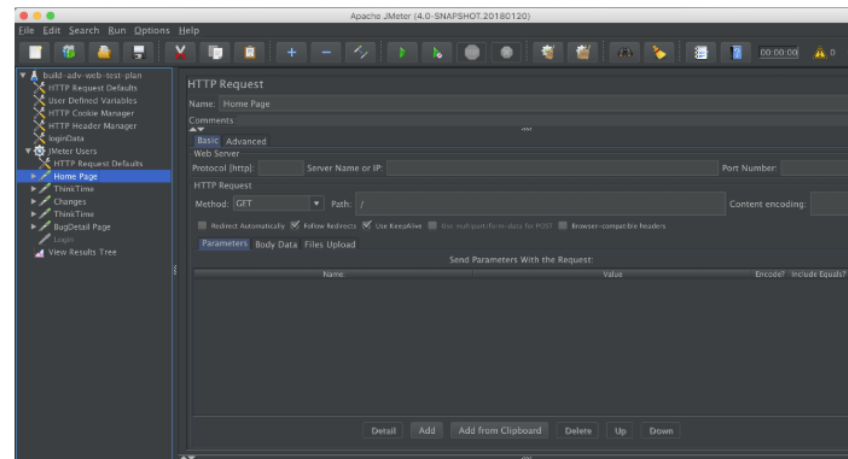


Open Source application designed to load test applications and measure performance. By The Apache Software Foundation

build error codecov 56% license apache stack overflow jmeter maven central 5.2.1 javadoc 5.2.1 Tweet

## What is it

Apache JMeter may be used to test performance both on static and dynamic resources, Web dynamic applications. It can be used to simulate a heavy load on a server, group of servers, network or object to test its strength or to analyze overall performance under different load types.



Apache JMeter features include:

Ability to load and performance test many different applications/server/protocol types:

- Web - HTTP, HTTPS (Java, NodeJS, PHP, ASP.NET,...)
- SOAP / REST Webservices
- FTP
- Database via JDBC
- LDAP



# Other Known Files

**LICENSE**

**CHANGELOG**

**CODE\_OF\_CONDUCT**

**CONTRIBUTING  
and  
CONTRIBUTORS**

**SUPPORT**

**CODEOWNERS**



# Sample Markdown Syntax

# This is an H1

## This is an H2

\* Red

\* Green

\* Blue





Full syntax available at  
<https://daringfireball.net/projects/markdown/syntax>



# Demo



## Adding special files

- README
- CODEOWNERS



# Administering Your Repository

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# Repository Features

Topics

Issues

Insights

Projects

Pull Requests

Settings



# Demo



Exploring the features and settings for a repository

Adding topics to the repository



# Bringing in More Users

## Collaborators

Core team of the project

## Contributors

Lower permissions



# Demo



## Managing collaborators



# Repository Insights

**Contributors**

**Commits**

**Traffic**

**Code frequency**





# Demo



## Exploring Repository Insights data



# Summary



**Repositories are the key building block for any GitHub interaction**

**Interaction locally also handled on level of repositories**

**Many features start from repositories**





**Up next:**

Collaborating with the GitHub Flow

