



GitHub4Women

Domínio 1: Introdução ao Git e GitHub



Agenda

- 1 Controle de Versão
- 2 O que é Git?
- 3 Git x GitHub
- 4 GitHub Desktop
- 5 GitHub Mobile



Agenda

- 6 Navegação de Repositório
- 7 Markdown
- 8 Branch / Merge



O que é version control?



Controle de Versão

“O controle de versão é um sistema que registra alterações em um arquivo ou conjunto de arquivos ao longo do tempo para que você possa recuperar versões específicas posteriormente.”



O que é Git?



Um sistema de controle de versão **distribuído** (DVCS)

Gratuito e de código aberto

Projetado para lidar com tudo, desde projetos **pequenos** a muito **grandes**, com velocidade e eficiência



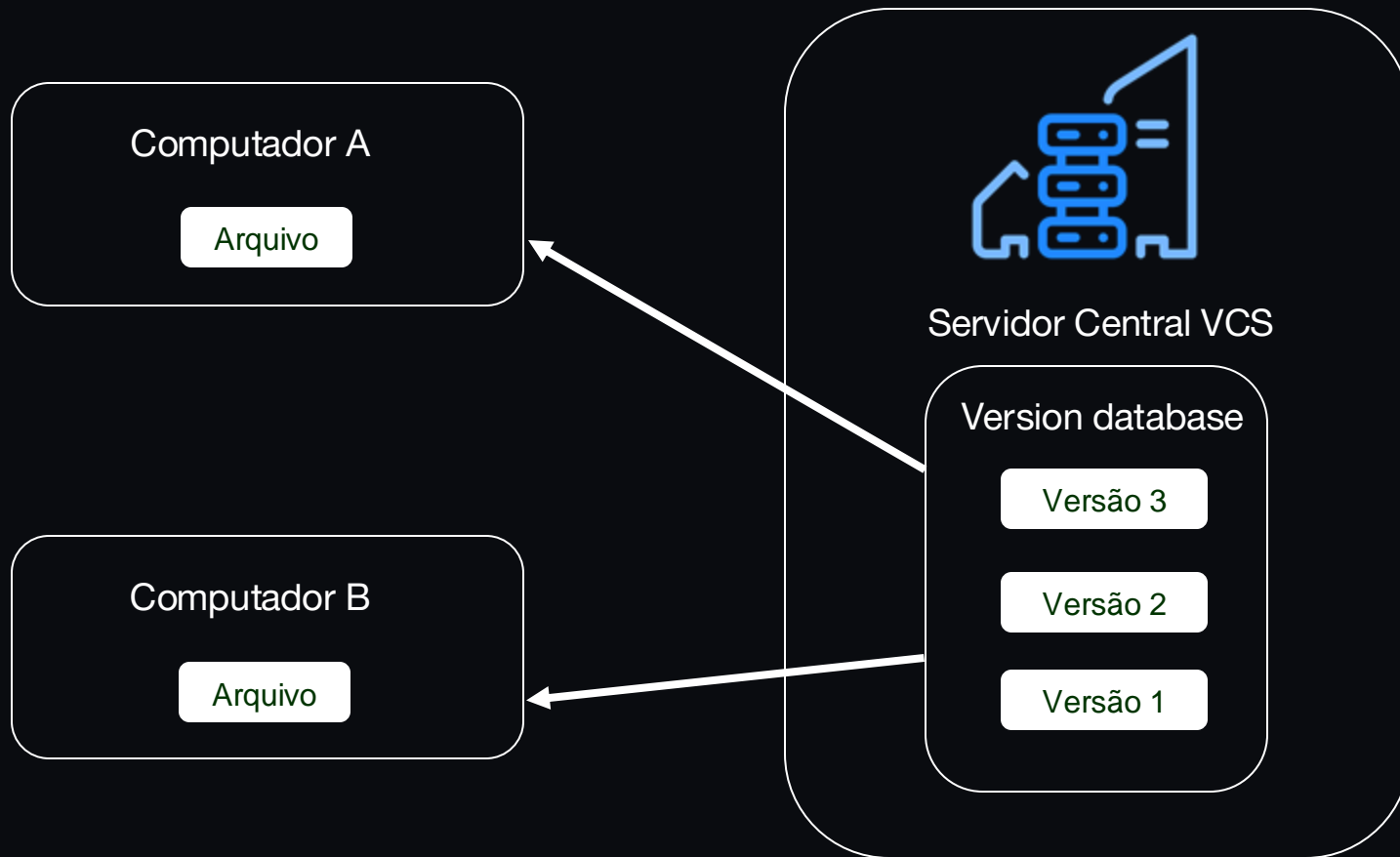
Otimizado para operações **locais**

Branching

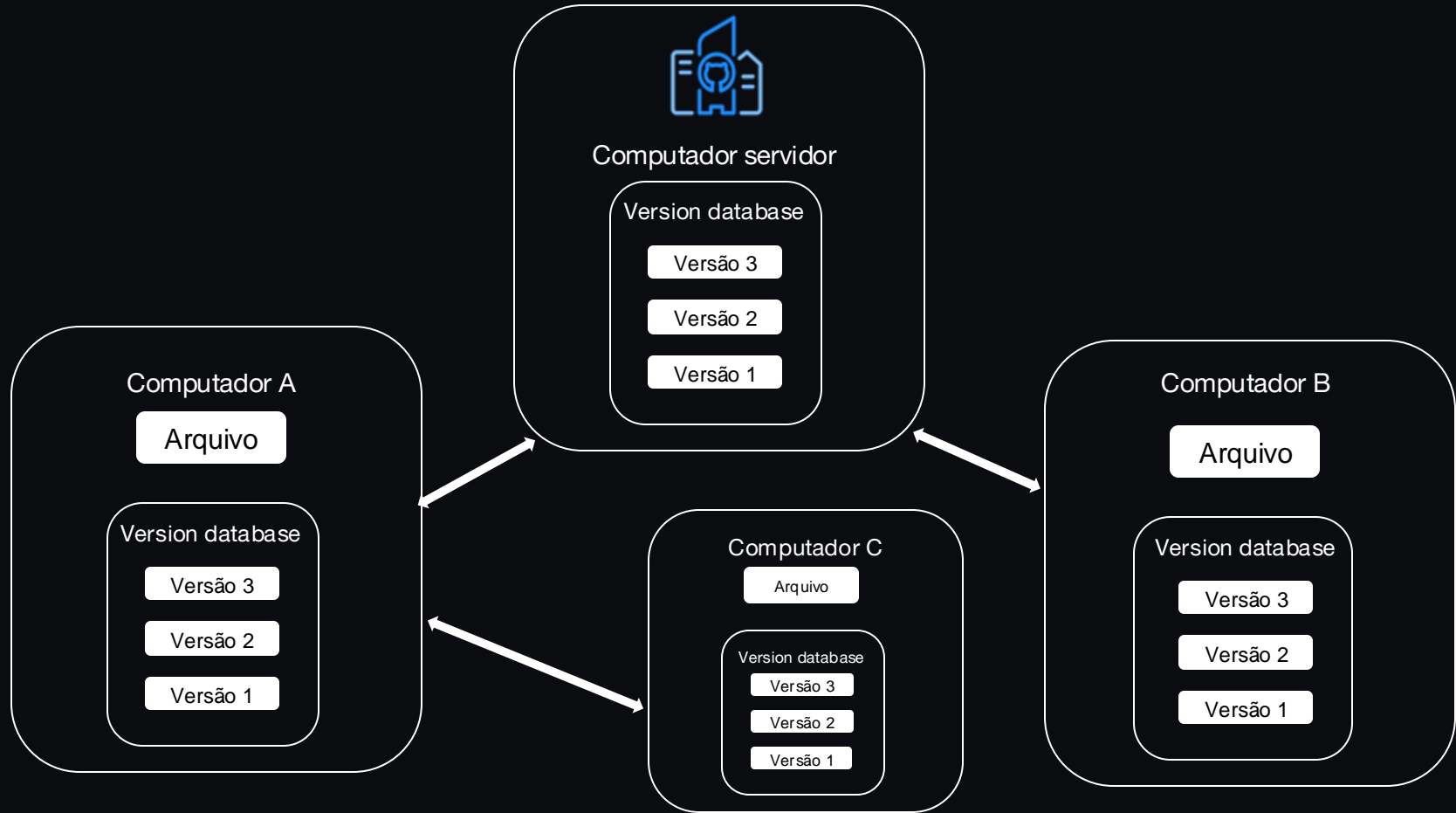
Snapshots, não deltas



Controle de versão centralizado



Controle de versão distribuído



Snapshots vs deltas

Check-ins ao longo do tempo



Sistema centralizado de controle de versão

Check-ins ao longo do tempo

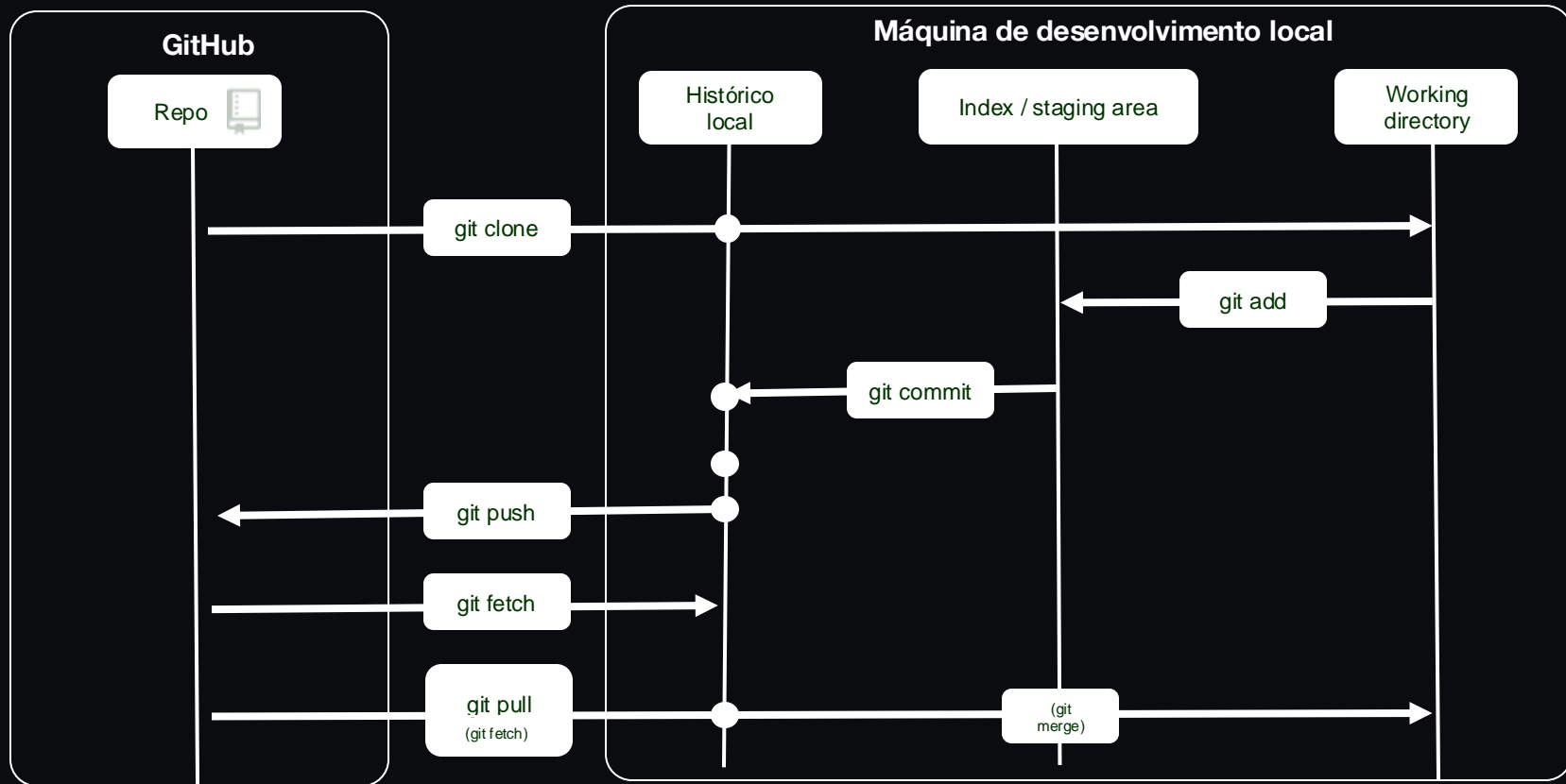


Sistema de controle de versão distribuído



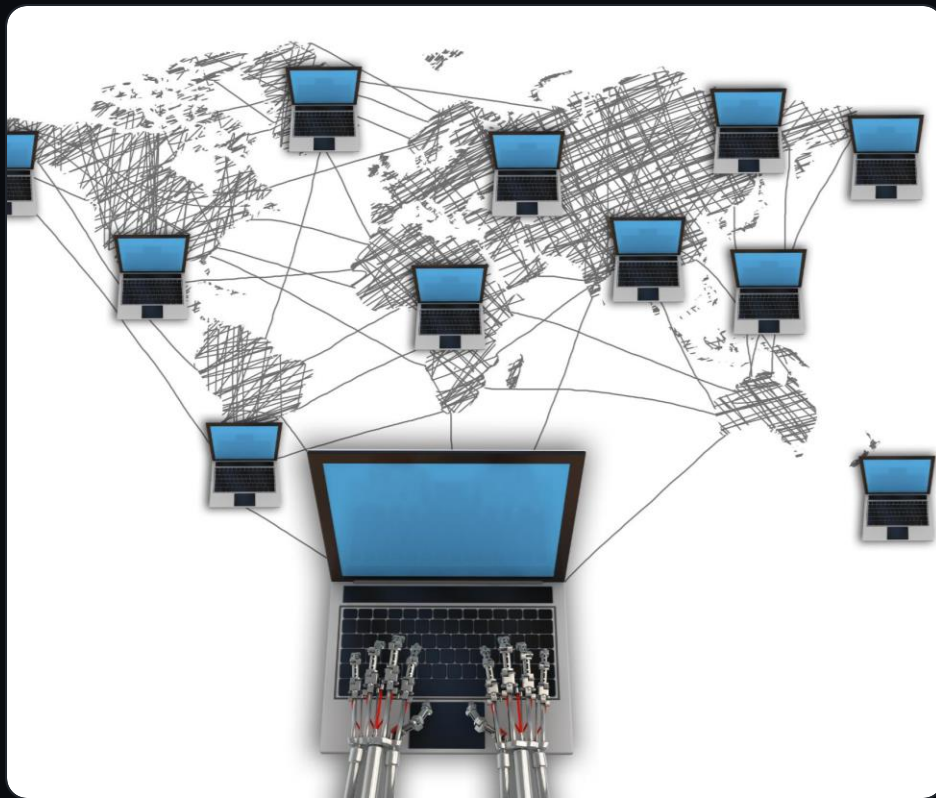


Como o Git interage com o GitHub



GIT é um Sistemas de Controle de Versão (VCS)

- ✓ Siga mudanças
- ✓ Backup de Histórico “snapshots”
- ✓ Time Developer
- ✓ Flexível - Local/DevOps tools



Terminologia

Working tree

Repository (repo)

Hash

Object

Commit

Branch

Remote

Comandos, Subcomandos, e opções



- `$git config`
- `$git init`
- `$git clone <path>`
- `$git add <file_name>`
- `$git commit`
- `$git status`
- `$git remote`
- `$git checkout <branch_name>`
- `$git branch`
- `$git push`
- `$git pull`
- `$git merge <branch_name>`
- `$git diff`
- `$git reset`
- `$git revert`
- `$git tag`
- `$git log`

Comandos básicos do Git





Demo

Git vs GitHub



Git vs GitHub

Git é um Sistema de Controle de Versão Distribuído (DVCS).

GitHub é uma plataforma de hospedagem de código-fonte e arquivos com controle de versão usando Git.

GitHub também é uma plataforma social para desenvolvedores colaborarem e compartilharem código.



GitHub Accounts and Plans

GitHub oferece uma variedade de tipos de contas, incluindo free (gratuitas) e paid (pagas).

Contas Pagas (Paid accounts) possuem acesso a funcionalidades adicionais, como maior armazenamento e segurança avançada.

Organizações podem também comprar planos que permitem maior colaboração e controle dos repositórios.



Contas

Personal

Organization

Enterprise

Planos

GitHub Free (Personal e
Organizations)

GitHub Pro

GitHub Team

GitHub Enterprise



GitHub Enterprise Server

O GitHub Enterprise Server é uma versão do GitHub que você pode hospedar no seu próprio ambiente de rede. Ele foi projetado para empresas que desejam a funcionalidade do GitHub, mas por razões de segurança ou regulamentação, precisam hospedá-lo em seus próprios servidores.



O GitHub Enterprise Server é ideal para organizações que precisam de um ambiente de desenvolvimento colaborativo, mas também precisam cumprir requisitos rigorosos de segurança e privacidade.










Como acessar o GitHub?



GitHub.com

 githubschool

[Overview](#) [Repositories](#) [Projects](#) [Packages](#) [People](#)

Repositories



- All
- Public
- Sources
- Forks
- Archived
- Mirrors
- Templates

All

[Beta](#) [Give feedback](#)


4k repositories

Last pushed




copilot-demo-website Public

HTML • 1 • 1 • 0 • 0 • Updated last week



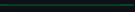
MeowWorld Public

Dockerfile • 0 • 0 • 0 • 0 • Updated last week




scratch Public

85 • 9 • 130 • 21 • Updated 2 weeks ago



copilot-custom-workshop-django-react-web Public


JavaScript • 0 • 1 • 0 • 0 • Updated 2 weeks ago



github-games Public

A fun way to learn about Git and GitHub

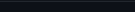
HTML • MIT License • 52 • 5 • 1 • 5 • Updated 3 weeks ago



thirty-minutes-to-merge Public

GitHub Community presents 30 Minutes To Merge - Git Branching Strategies; This is a demo repo

HTML • MIT License • 71 • 16 • 0 • 9 • Updated on Mar 21

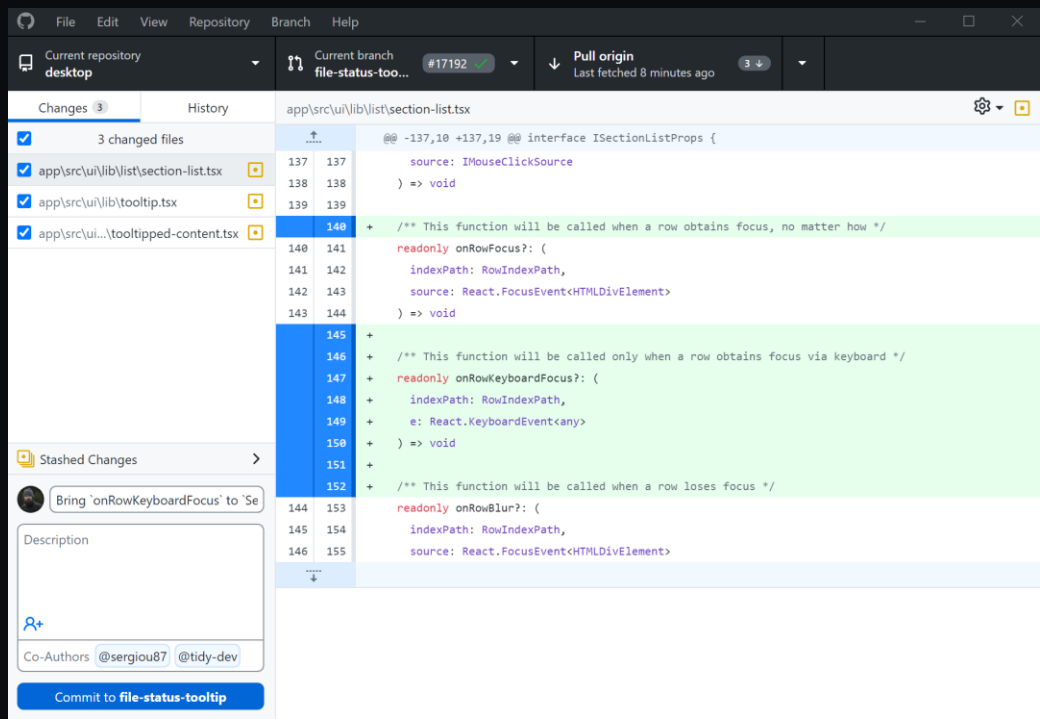




GitHub Desktop

GitHub Desktop é um aplicativo de software independente e de código aberto que permite que você seja mais produtivo

Facilita a colaboração entre você e sua equipe e o compartilhamento das melhores práticas de Git e GitHub dentro de sua equipe.



Com o GitHub Desktop você pode:

Adicionar e clonar repositórios.

Adicione alterações ao seu commit de forma interativa.

Adicione rapidamente coautores ao seu commit.

Confira filiais com solicitações pull e visualize status de CI.

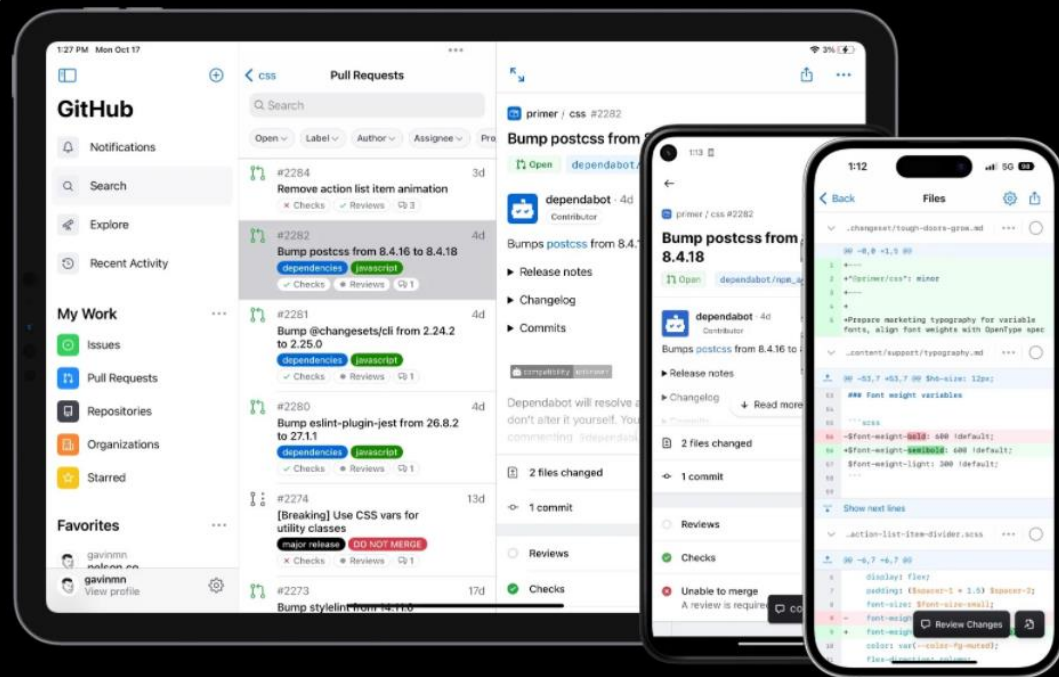
Comparar imagens alteradas



GitHub Mobile

GitHub Mobile oferece uma maneira de realizar trabalhos de alto impacto no GitHub rapidamente e de qualquer lugar.

GitHub Mobile é uma maneira segura de acessar seus dados do GitHub por meio de um aplicativo cliente próprio e confiável.



Com o GitHub Mobile você pode:

Gerenciar, fazer triagem e limpar notificações de github.com.

Ler, revisar e colaborar em problemas e solicitações pull.

Editar arquivos em pull requests.

Pesquisar, navegar e interagir com usuários, repositórios e organizações.

Receber uma notificação push quando alguém mencionar seu nome de usuário.

Agendar notificações push para horários personalizados específicos.

Proteger sua conta GitHub.com com autenticação de dois fatores.

Verificar suas tentativas de login em dispositivos não reconhecidos.



GitHub

Ecosistema

Navegação de Repositório



GitHub Marketplace

Extend GitHub

Add tools to help you build and grow

Explore apps

Contact sales



Types

Apps

Actions

Categories

API management

Chat

Code quality

Code review

Continuous integration

Dependency management

Deployment

Deployment Protection
Rules

Search for apps and actions

Sort: Most installed/starred

Apps



CircleCI

By circleci
Automatically build, test, and deploy your project in minutes

Recommended



Imgbot

By imgbot
A GitHub app that optimizes your images

Recommended



Rewind Backups for GitHub

By backhub
Automatic daily backups of your GitHub repos and metadata with on-demand restores to protect your business

Recommended



CodeFactor

By codefactor-io
Automated code review for GitHub

Recommended



Zenhub

By ZenHubIO
Agile Task Boards, Epics, Estimates and



Zube

By zubeio
An Agile project management tool that

O GitHub Marketplace é uma plataforma onde você pode descobrir e comprar ferramentas que se integram ao GitHub para ajudar a otimizar o seu fluxo de trabalho.



Funcionalidades

Repos

Issues

Discussions

Pull requests

Notifications

Labels

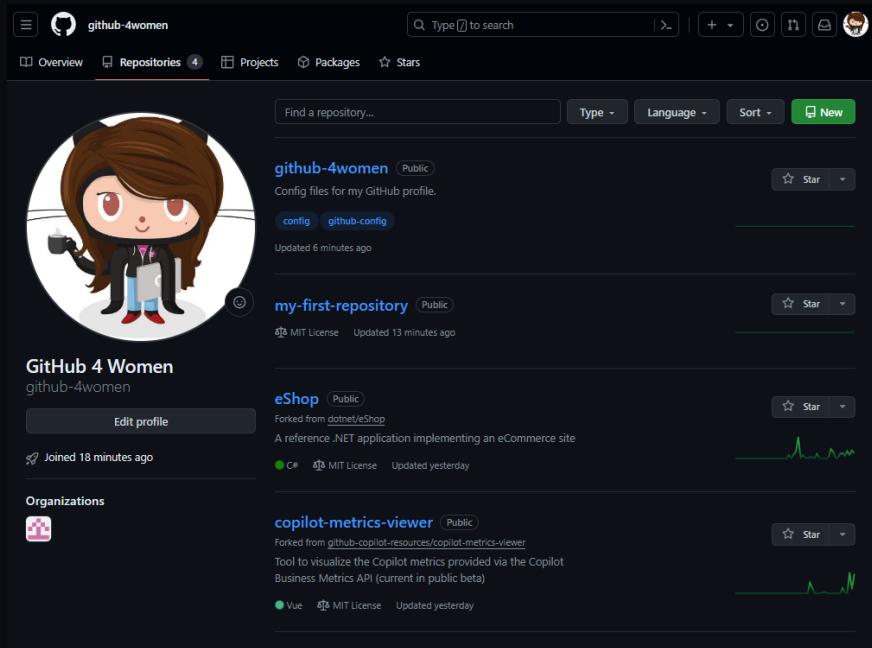
Actions

Forks

Projects



Conta Pessoal



The screenshot shows a GitHub profile for 'github-4women'. The profile includes a circular avatar of a woman with brown hair, a bio stating 'Config files for my GitHub profile.', and a list of repositories. The repositories listed are 'config', 'github-config', 'my-first-repository', 'eShop', and 'copilot-metrics-viewer'. Each repository entry shows its name, license (MIT), and update time. The profile also shows the user joined 18 minutes ago and is part of the 'GitHub 4 Women' organization.

github-4women

Overview Repositories 4 Projects Packages Stars

Find a repository... Type Language Sort New

github-4women Public

Config files for my GitHub profile.

config github-config

Updated 6 minutes ago

my-first-repository Public

MIT License Updated 13 minutes ago

GitHub 4 Women

github-4women

Edit profile

Joined 18 minutes ago

Organizations

eShop Public

Forked from dotnet/eShop

A reference .NET application implementing an eCommerce site

C# MIT License Updated yesterday

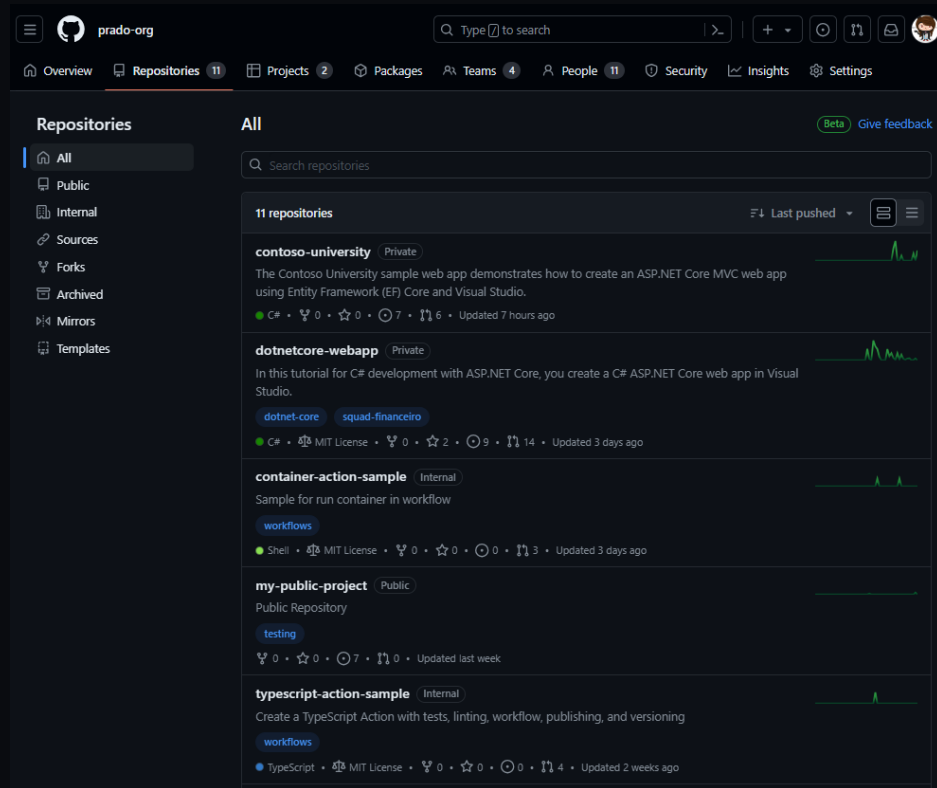
copilot-metrics-viewer Public

Forked from github-copilot-resources/copilot-metrics-viewer

Tool to visualize the Copilot metrics provided via the Copilot Business Metrics API (current in public beta)

Vue MIT License Updated yesterday

Conta Organização



The screenshot shows a GitHub organization page for 'prado-org'. The page displays a list of repositories under the 'All' tab. The repositories listed are 'contoso-university', 'dotnetcore-webapp', 'container-action-sample', 'my-public-project', and 'typescript-action-sample'. Each repository entry shows its name, license (MIT), and update time. The page also includes a sidebar with navigation links for 'All', 'Public', 'Internal', 'Sources', 'Forks', 'Archived', 'Mirrors', and 'Templates'.

prado-org

Overview Repositories 11 Projects 2 Packages Teams 4 People 11 Security Insights Settings

Repositories

All

Search repositories

11 repositories Last pushed

contoso-university Private

The Contoso University sample web app demonstrates how to create an ASP.NET Core MVC web app using Entity Framework (EF) Core and Visual Studio.

C# 0 0 7 6 Updated 7 hours ago

dotnetcore-webapp Private

In this tutorial for C# development with ASP.NET Core, you create a C# ASP.NET Core web app in Visual Studio.

dotnet-core squad-financeiro

C# MIT License 0 2 9 14 Updated 3 days ago

container-action-sample Internal

Sample for run container in workflow

workflows

Shell MIT License 0 0 0 3 Updated 3 days ago

my-public-project Public

Public Repository

testing

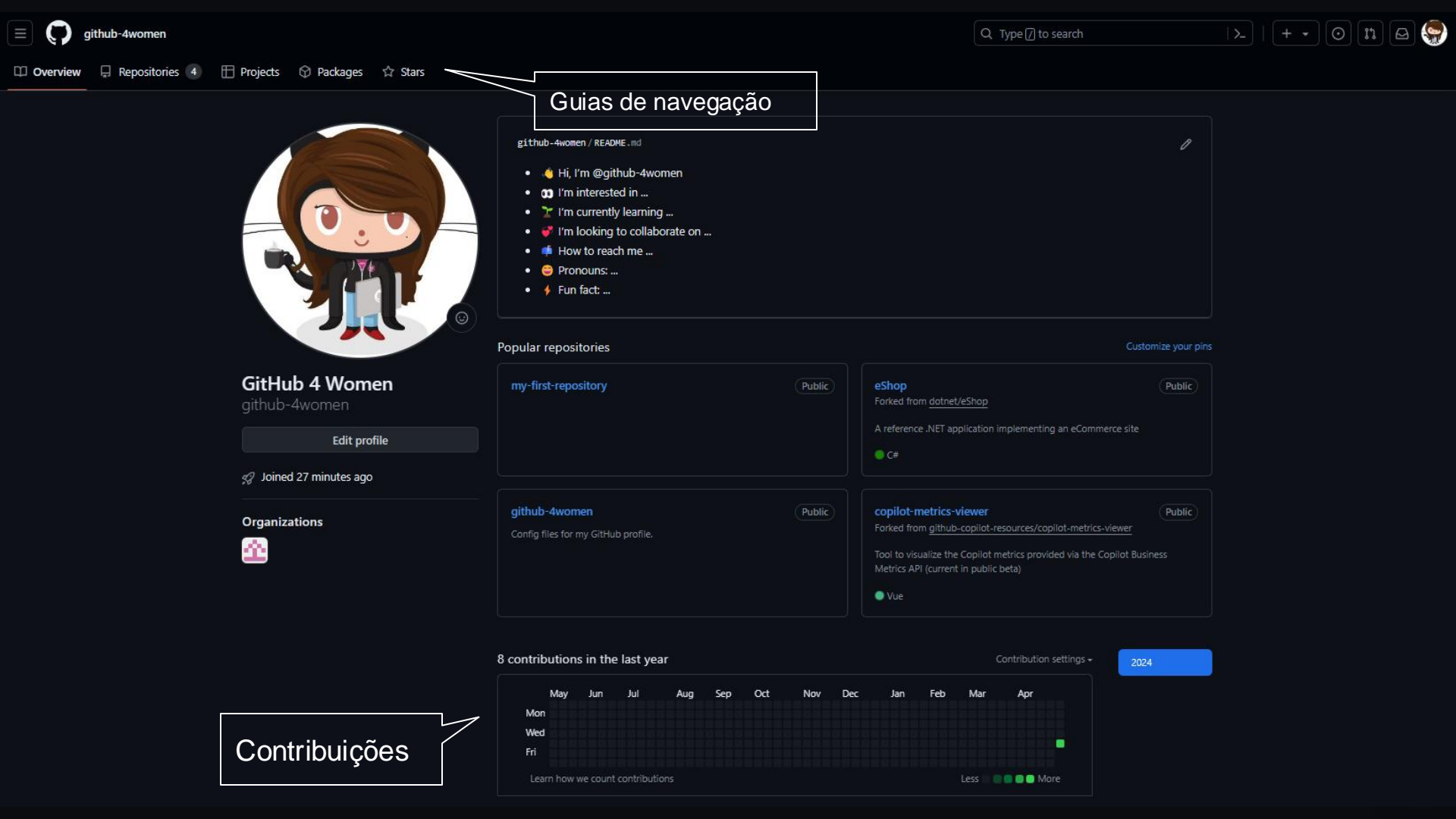
0 0 7 0 Updated last week

typescript-action-sample Internal

Create a TypeScript Action with tests, linting, workflow, publishing, and versioning

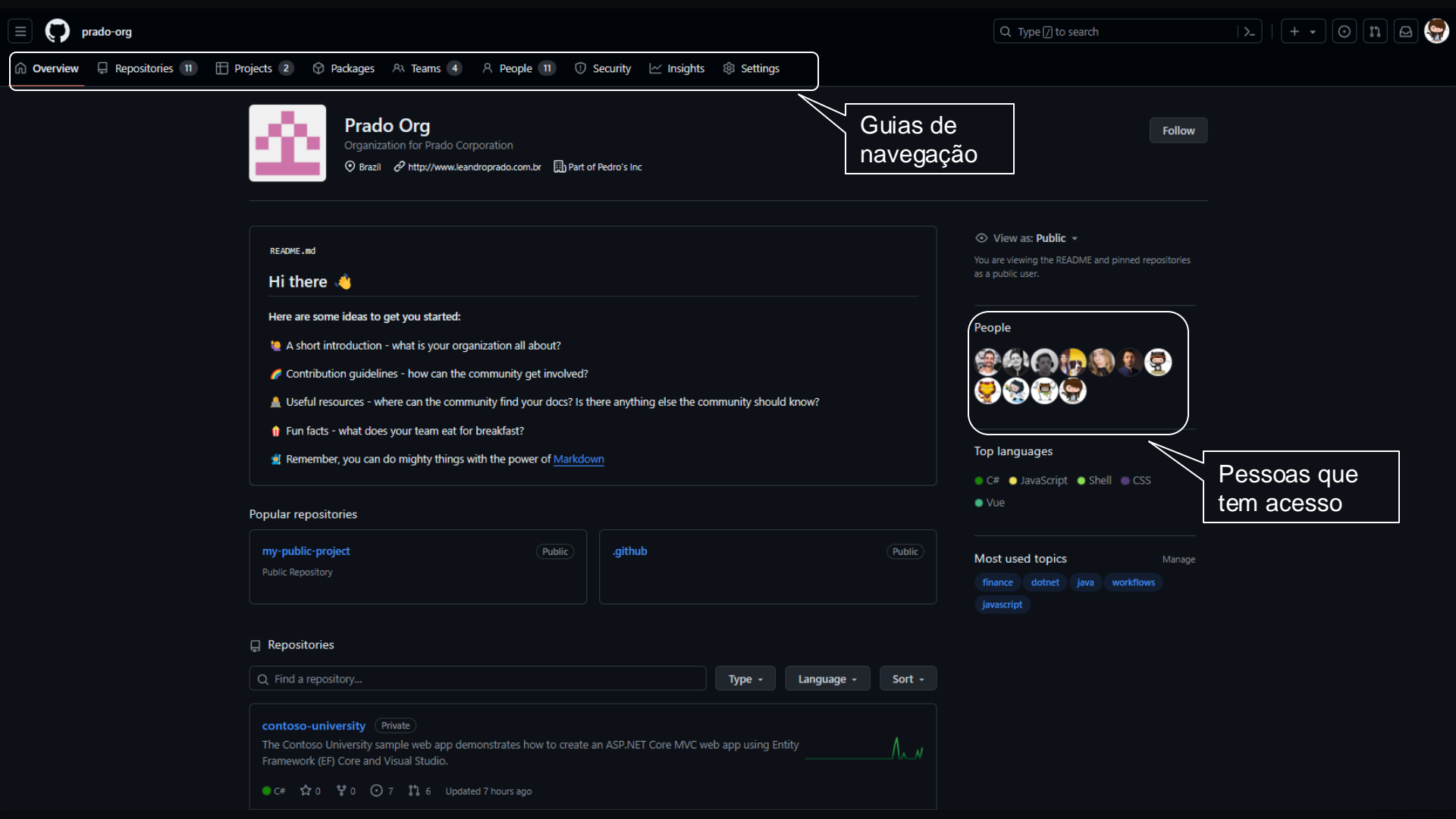
workflows

TypeScript MIT License 0 0 0 4 Updated 2 weeks ago



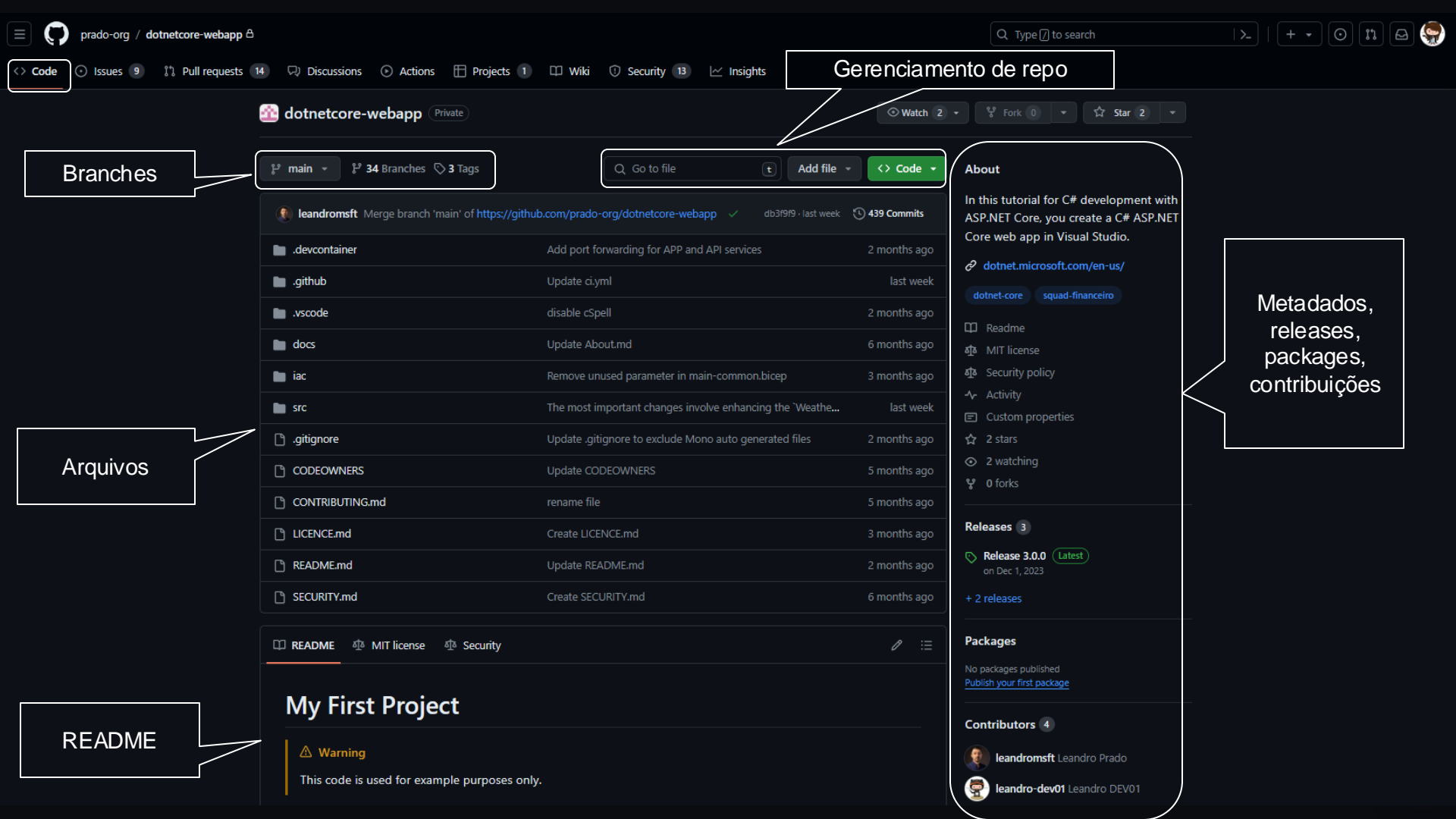
Guias de navegação

Contribuições



Guias de navegação

Pessoas que tem acesso



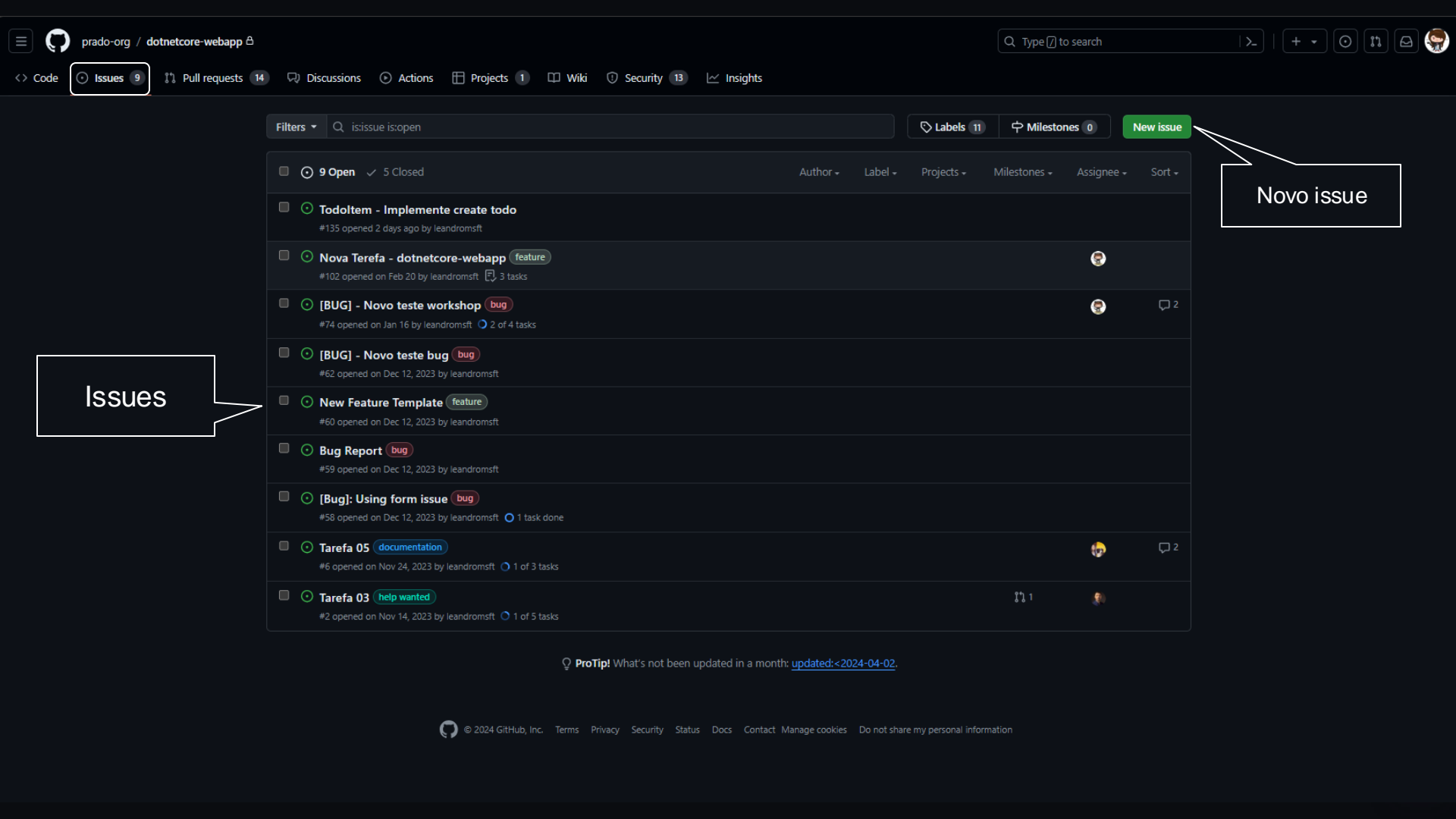
Gerenciamento de repo

Branches

Arquivos

README

Metadados,
releases,
packages,
contribuições

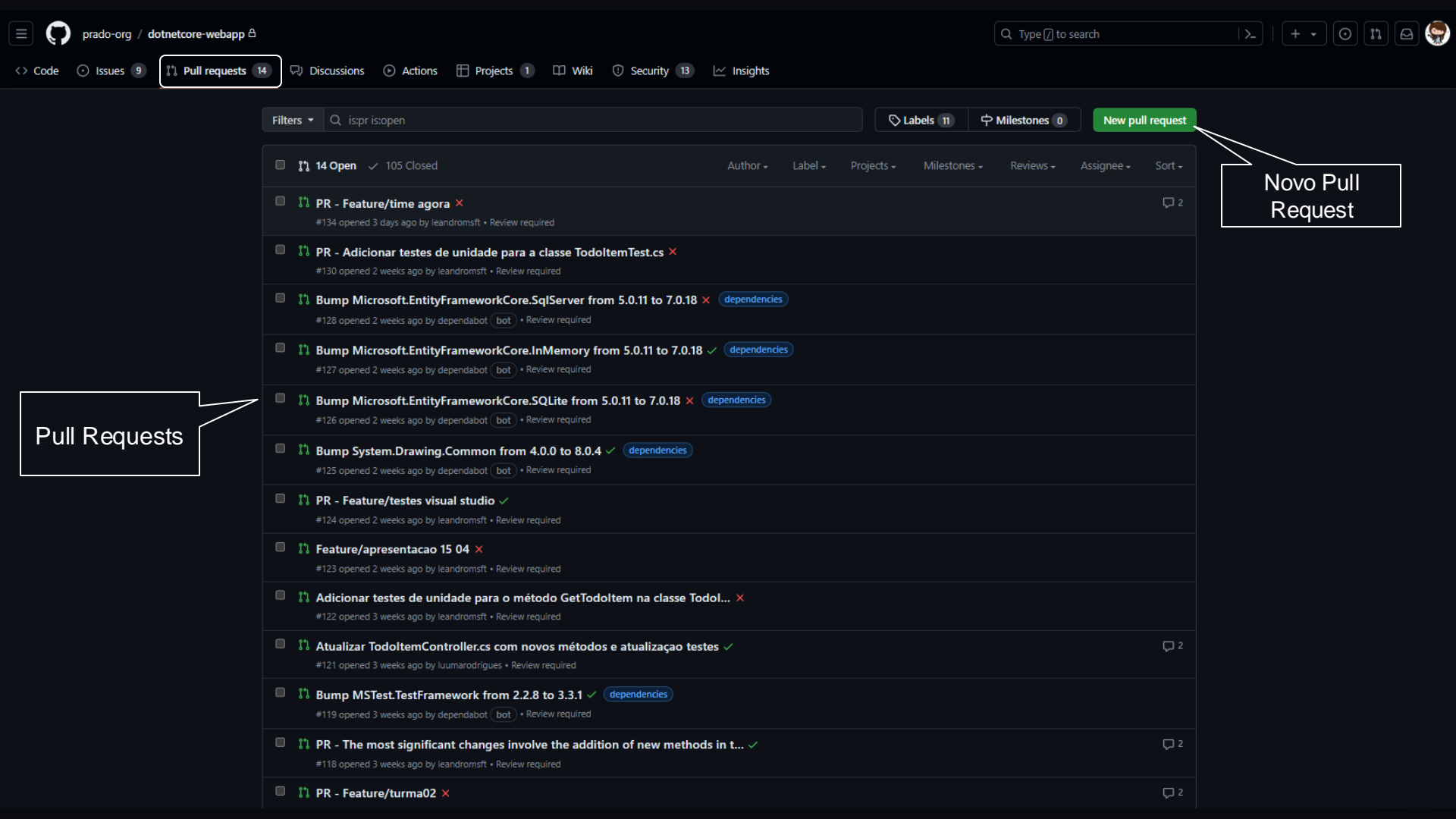


Issues

Novo issue


ProTip! What's not been updated in a month: [updated:<2024-04-02](#).





Pull Requests

Novo Pull Request



Welcome to dotnetcore-webapp Discussions!

🔔 Announcements · leandromsft

🔍 is:open

Sort by: Latest activity

Label

Filter: Open


New discussion


Categories


- View all discussions**
- 🔔 Announcements
- 🗨 General
- 💡 Ideas
- 📊 Polls
- 👤 Q&A
- 👂 Show and tell


Discussions

- ↑ 2

 **I want to deploy this application to Azure Container Apps**
leandromsft started on Nov 28, 2023 in [Ideas](#)

 6
- ↑ 1

 **Welcome to dotnetcore-webapp Discussions!**
leandromsft announced on Nov 28, 2023 in [Announcements](#)

 0

Most helpful

Be sure to mark someone's comment as an answer if it helps you resolve your question — they deserve the credit! ❤

- 📖 Community guidelines
- 🌐 dotnet.microsoft.com/en-us
- 📈 Community insights

Discussions

prado-org / dotnetcore-webapp

Q Type to search

+ ↕ ⌂ 📁 🗑️ 👤

<> Code ⌚ Issues 9 📄 Pull requests 14 💬 Discussions ⌚ Actions 📅 Projects 1 📖 Wiki 🛡️ Security 13 📈 Insights

Actions

New workflow

All workflows

CodeQL

Codespaces Prebuilds

dotnetcore-matrix

dotnetcore-webapp-ci

dotnetcore-webapp-ci-cd

dotnetcore-webapp-ci-cd-argocd

dotnetcore-webapp-ci-cd-k8s

dotnetcore-webapp-delete-environment

dotnetcore-webapp-iac

github-pages

Show more workflows...

Management

Caches

Deployments

Attestations

Runners

All workflows

Showing runs from all workflows

877 workflow runs

Event Status Branch Actor

CodeQL

CodeQL #109: Scheduled

main

17 hours ago3m 35s

CodeQL

CodeQL #108: Scheduled

main

2 days ago5m 12s

CodeQL

CodeQL #107: Scheduled

main

3 days ago3m 32s

CodeQL

CodeQL #106: Scheduled

main

4 days ago3m 34s

CodeQL

CodeQL #105: Scheduled

main

5 days ago5m 10s

CodeQL

CodeQL #104: Scheduled

main

last week3m 47s

dotnetcore-webapp-delete-environment

dotnetcore-webapp-delete-environment #6: Manually run by leandromsf

main

last week3m 31s

CodeQL

CodeQL #103: Scheduled

main

last week3m 2s

Merge branch 'main' of https://github.com/prado-org/dotnetcore-webapp

dotnetcore-webapp-ci-cd #373: Commit db3f9f9 pushed by leandromsf

release/v5.0.1

last week11m 6s

Adicionar método UpdateTodoItem ao TodoItemController.cs

dotnetcore-webapp-ci-cd #372: Commit be09b02 pushed by leandromsf

feature/turma08

last week1m 31s

Workflows

Histórico de execuções

prado-org / Projects / @leandromsft's My Project

Projotos

My Project

RoadmapTableBoardIterationAssignee

Filter by keyword or by field

Discard

No Status3

my-public-project #7
Tarefa GitHub Week

my-public-project #10
teste PR

dotnetcore-webapp #102
Nova Tarefa - dotnetcore-webapp

Todo2

This item hasn't been started

dotnetcore-webapp #6
Tarefa 05

petclinic #1
Tarefa 06

In Progress2/2

This is actively being worked on

contoso-university #16
Null Pointer exception is reported at get instructor

my-public-project #9
Outra Tarefa

In Review3

my-public-project #1
Tarefa 01

dotnetcore-webapp #2
Tarefa 03

petclinic #2
Tarefa 07

Done3

This has been completed

my-public-project #6
PR - Teste Feature Branch

dotnetcore-webapp #1
Tarefa 02

dotnetcore-webapp #5
Tarefa 04

Home

Leandro Prado edited this page on Nov 27, 2023 · 2 revisions

EditNew page

Welcome to the dotnetcore-webapp wiki!

In this tutorial for C# development with ASP.NET Core, you create a C# ASP.NET Core web app in Visual Studio.

This tutorial shows you how to:

- ✔ Create a Visual Studio project
- ✔ Create a C# ASP.NET Core web app
- ✔ Explore IDE features
- ✔ Run the web app

Projects

- src/MyFirstProject.WebApp
- src/MyFirstProject.WebApi
- src/MyFirstProject.Tests

Build Process

```
# Restore Packages
dotnet restore src/MyFirstProject.sln

# Build Solution
dotnet build src/MyFirstProject.sln --configuration Debug --no-restore

# Running Unit Tests
dotnet test src/MyFirstProject.Tests/MyFirstProject.Tests.csproj --no-build --configuration Debug --verbosity normal

# Publish WebApp
dotnet publish src/MyFirstProject.WebApp/MyFirstProject.WebApp.csproj --no-build --configuration Debug --output Publish

# Publish WebApi
dotnet publish src/MyFirstProject.WebApi/MyFirstProject.WebApi.csproj --no-build --configuration Debug --output Publish
```

Pages 4

Find a page...

Home

Projects

Build Process

Contribute

Branch e Merge

CI CD Workflow

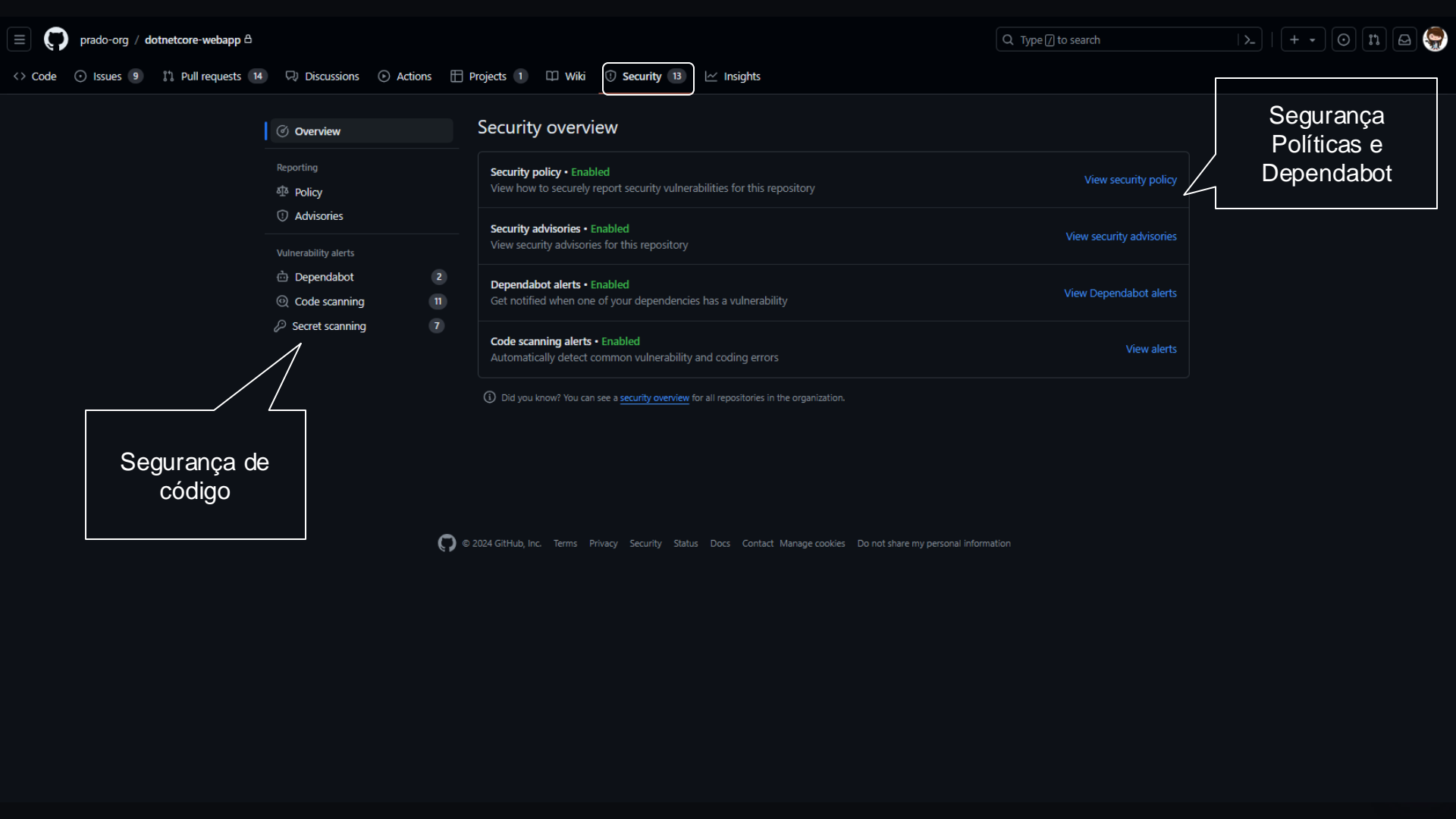
Runners

+ Add a custom sidebar

Clone this wiki locally

<https://github.com/prado-org/dotnetc>

Conteúdo



Segurança
Políticas e
Dependabot

Segurança de
código

- Pulse
- Contributors
- Community
- Traffic
- Commits
- Code frequency
- Dependency graph
- Network
- Forks

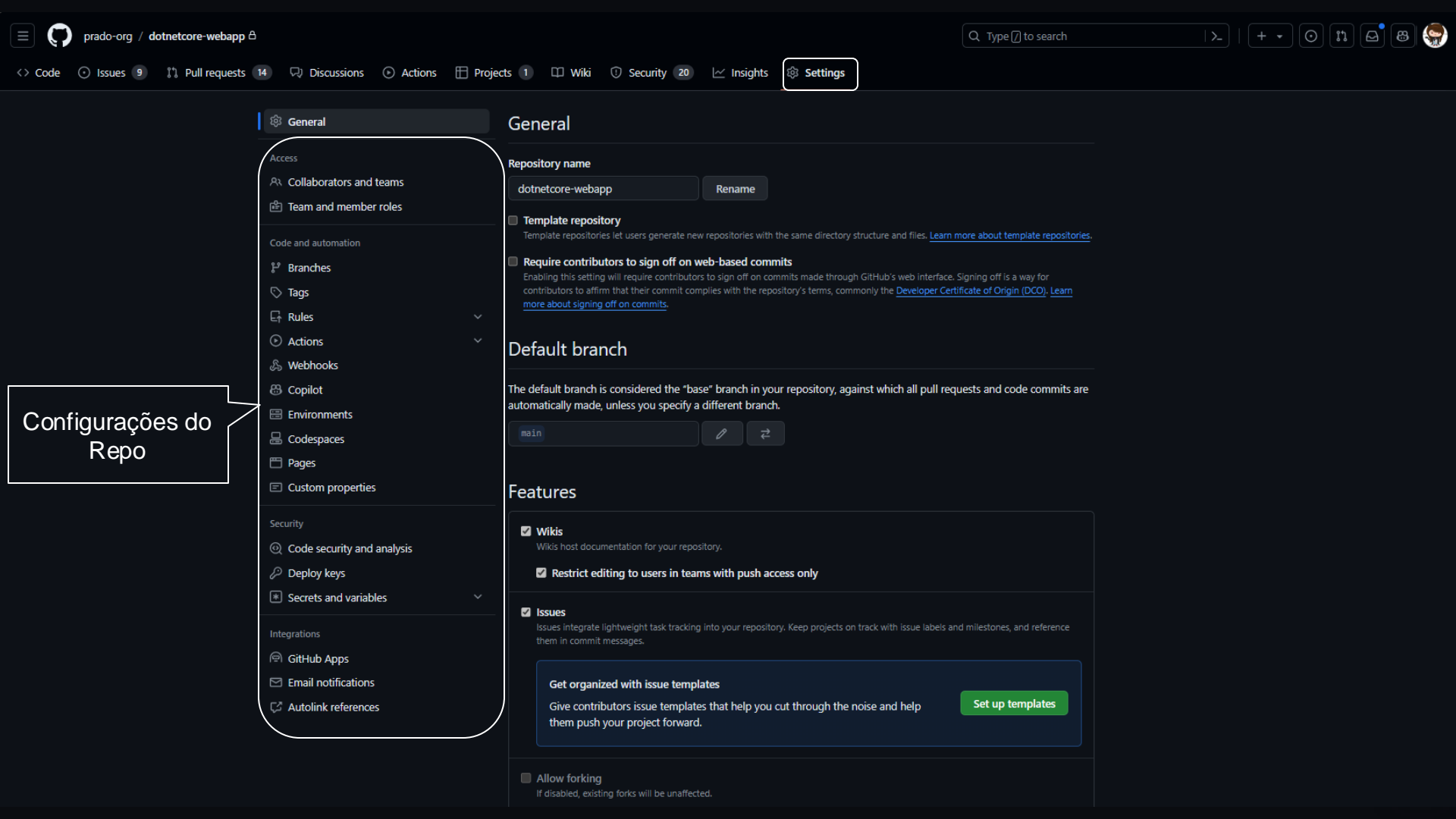
Network graph

Timeline of the most recent commits to this repository and its network ordered by most recently pushed to.



Keyboard shortcuts available

Repo insights

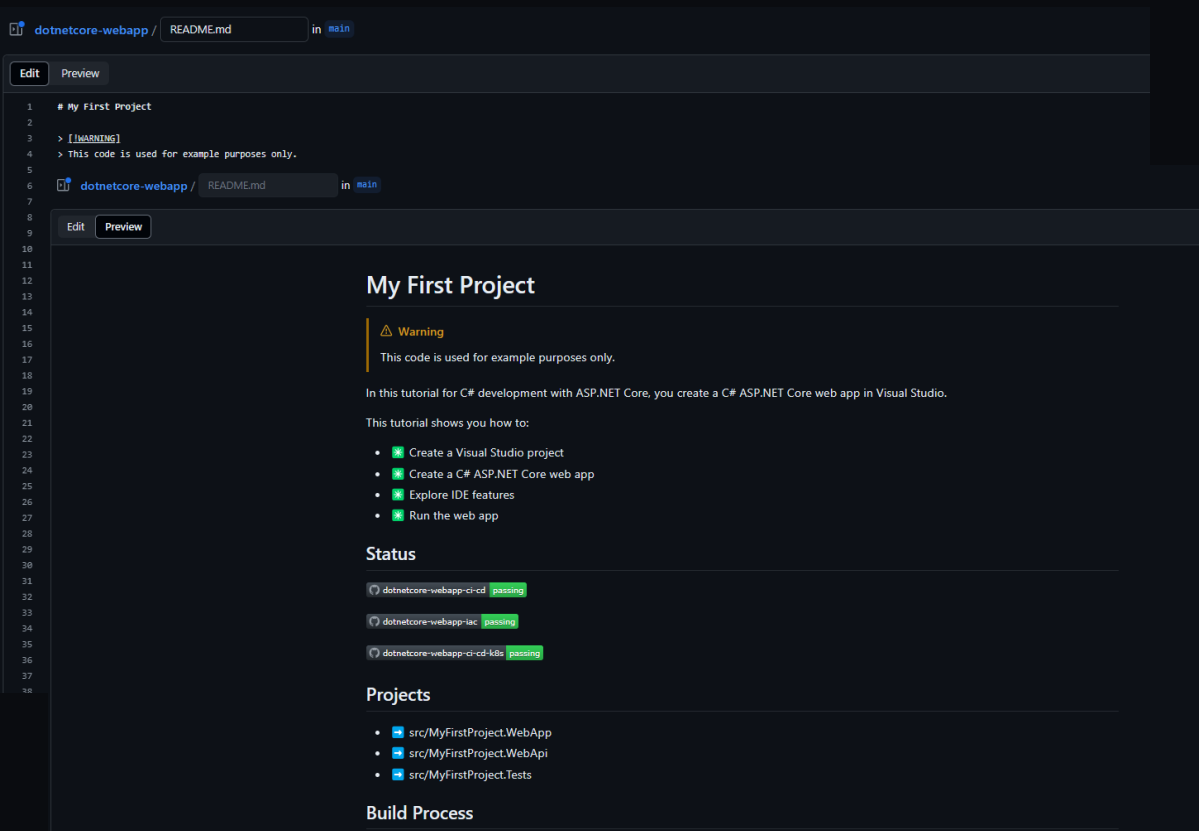


Configurações do Repo

Markdown



O que é Markdown?



The screenshot displays a GitHub repository interface. At the top, the repository name 'dotnetcore-webapp' and the file 'README.md' are shown, along with a 'main' branch indicator. Below this, there are two panels: a code editor on the left and a preview on the right.

Code Editor: The code editor shows the following content:

```
1 # My First Project
2
3 > [!WARNING]
4 > This code is used for example purposes only.
5
6 dotnetcore-webapp / README.md in main
```

Preview: The preview panel shows the rendered Markdown content:

My First Project

Warning

This code is used for example purposes only.

In this tutorial for C# development with ASP.NET Core, you create a C# ASP.NET Core web app in Visual Studio.

This tutorial shows you how to:

- Create a Visual Studio project
- Create a C# ASP.NET Core web app
- Explore IDE features
- Run the web app

Status

dotnetcore-webapp-ci-cd **passing**

dotnetcore-webapp-lac **passing**

dotnetcore-webapp-ci-cd-k8s **passing**

Projects

- src/MyFirstProject.WebApp
- src/MyFirstProject.WebApi
- src/MyFirstProject.Tests

Build Process

Markdown é uma linguagem de marcação leve usada para formatar texto simples. Ele foi projetado para ser fácil de ler e escrever, ao mesmo tempo que permite aos usuários convertê-lo facilmente em HTML ou outros formatos de documento.



Syntax Básica

The image shows a code editor with two panes. The left pane displays the raw Markdown code for a file named `samplemd.md`. The right pane shows the rendered HTML output of the same file.

Left Pane (Code):

```
samplemd.md > # H1 > ## H2 > ### H3
1 # H1
2 ## H2
3
4 ### H3
5
6 **Negrito**
7
8 *Itálico*
9
10 > bloco de citação
11
12 Lista ordenada
13 1. First item
14 2. Second item
15 3. Third item
16
17 [Link](https://www.example.com)
18
19 Comentários.
```

Right Pane (Preview):

H1

H2

H3

Negrito

Itálico

> bloco de citação

Lista ordenada

1. First item
2. Second item
3. Third item

[Link](https://www.example.com)

Comentários.

The status bar at the bottom indicates the current file is `main*`, with 0 errors and 6 warnings. The cursor is at line 14, column 15. The encoding is UTF-8, line endings are CRLF, and the language is Markdown. There are 6 spell-check suggestions.

Pull Request / Issues

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about di](#)


↕

base: main

←

compare: wes_dev

✓ Able to merge. These branches can be automatically merged.


 Add a title

Update README.md

Add a description

Write

Preview



#1 issue number 1
este PR resolve o issue #1


Feito

- criada nova branch
- issue resolvido

TO DO

- [] fazer merge
- [] remover branch

📖 Markdown is supported

 Paste, drop, or click to add files

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about](#)


↕

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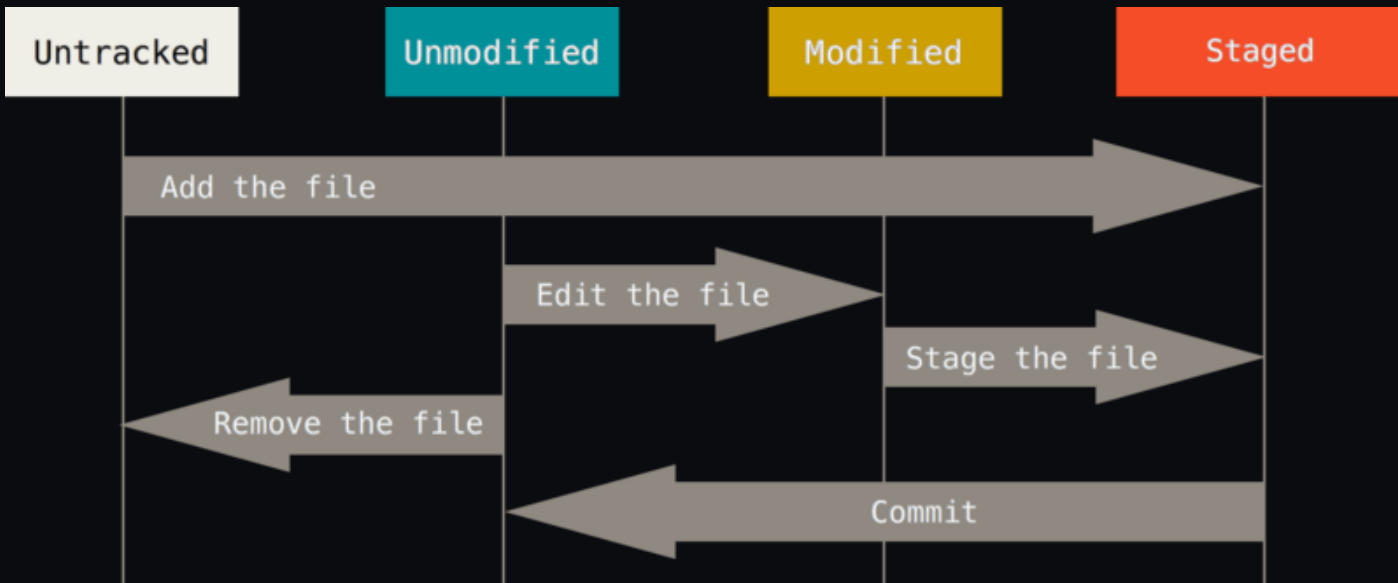
Demo

Estratégias de Branch/Merge



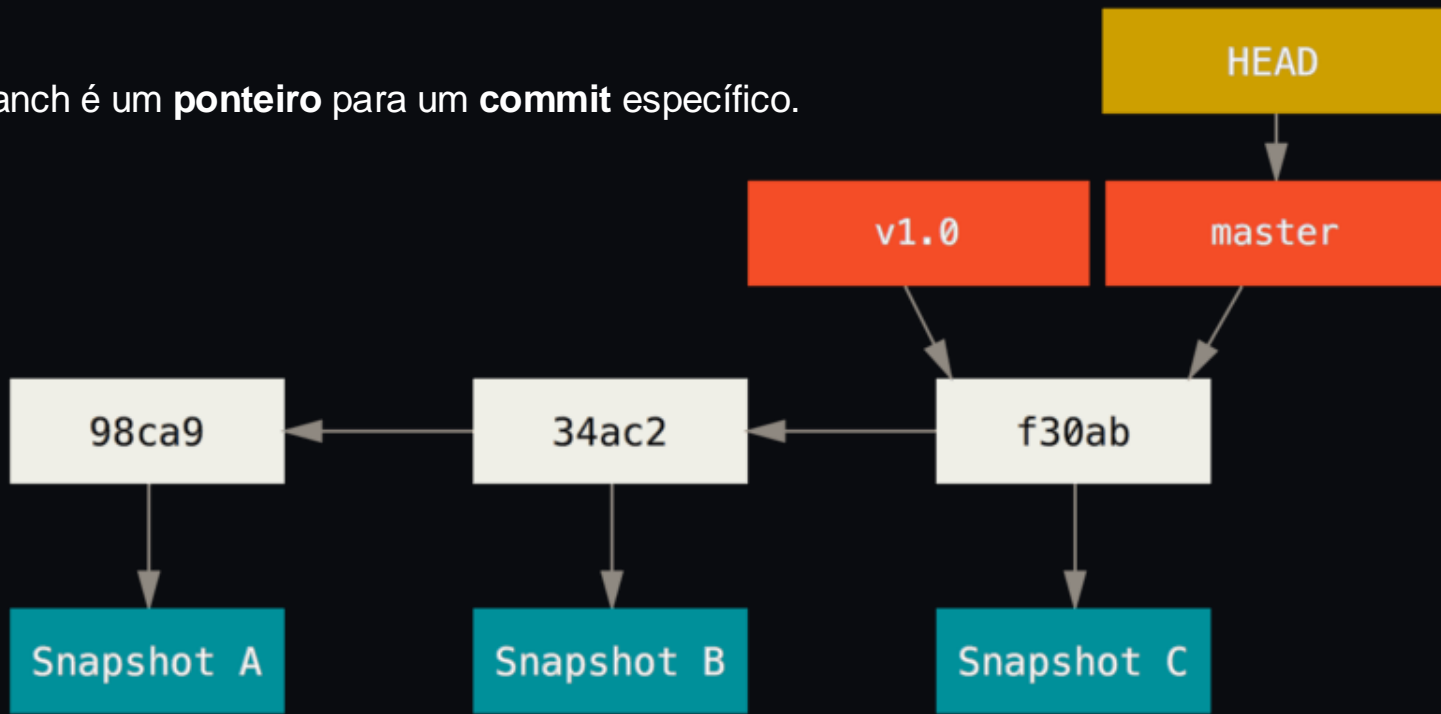
O que é Commit?

Um **commit** é um registro instantâneo do seu repositório em um momento específico da linha do tempo.



O que é Branch?

Uma branch é um **ponteiro** para um **commit** específico.

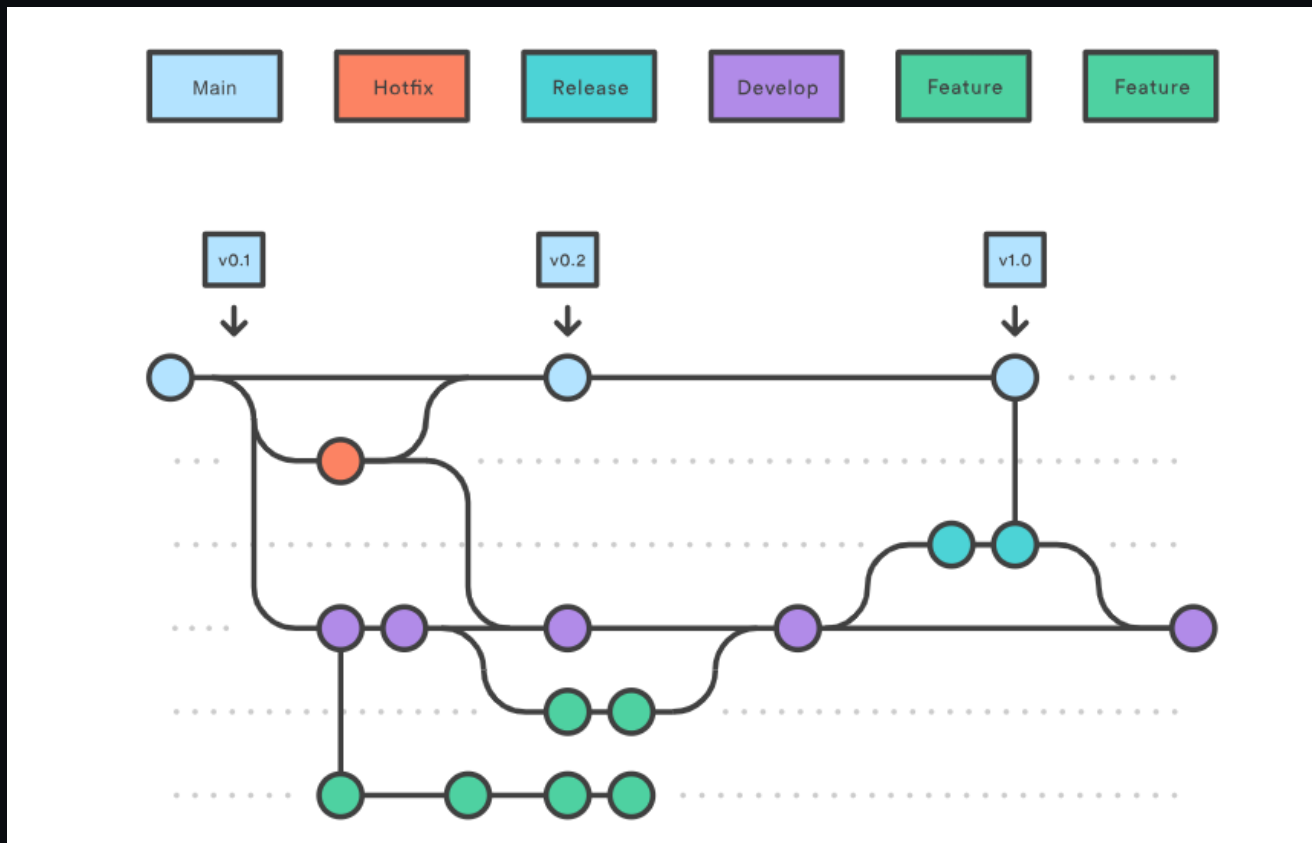


Estratégias de Branch

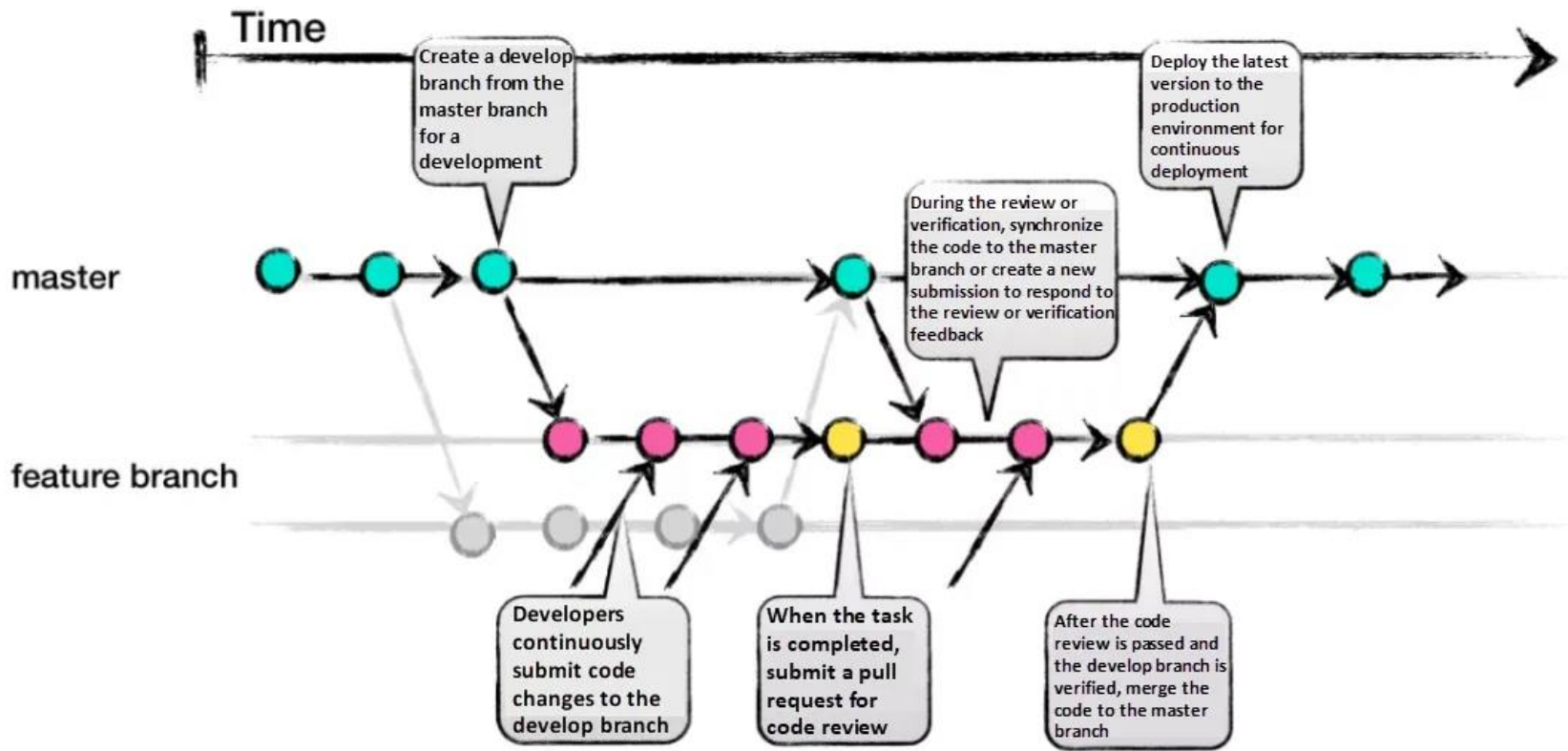
As estratégias de branching determinam como a equipe aborda a ramificação do código. Neste treinamento, citaremos dois exemplos de estratégias: **Git Flow** e **GitHub Flow**.



Git Flow



GitHub Flow





Demo

Thank you

