

FAP 2024.1

Formação Acelerada em Programação

INSTITUIÇÃO EXECUTORA



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Git

Aula Prática

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Aula Prática

- Essa será nossa primeira aula prática de codificação e Github juntas.
- Ela deve ser feita em dupla e o objetivo é que seja desenvolvido um código em paralelo.

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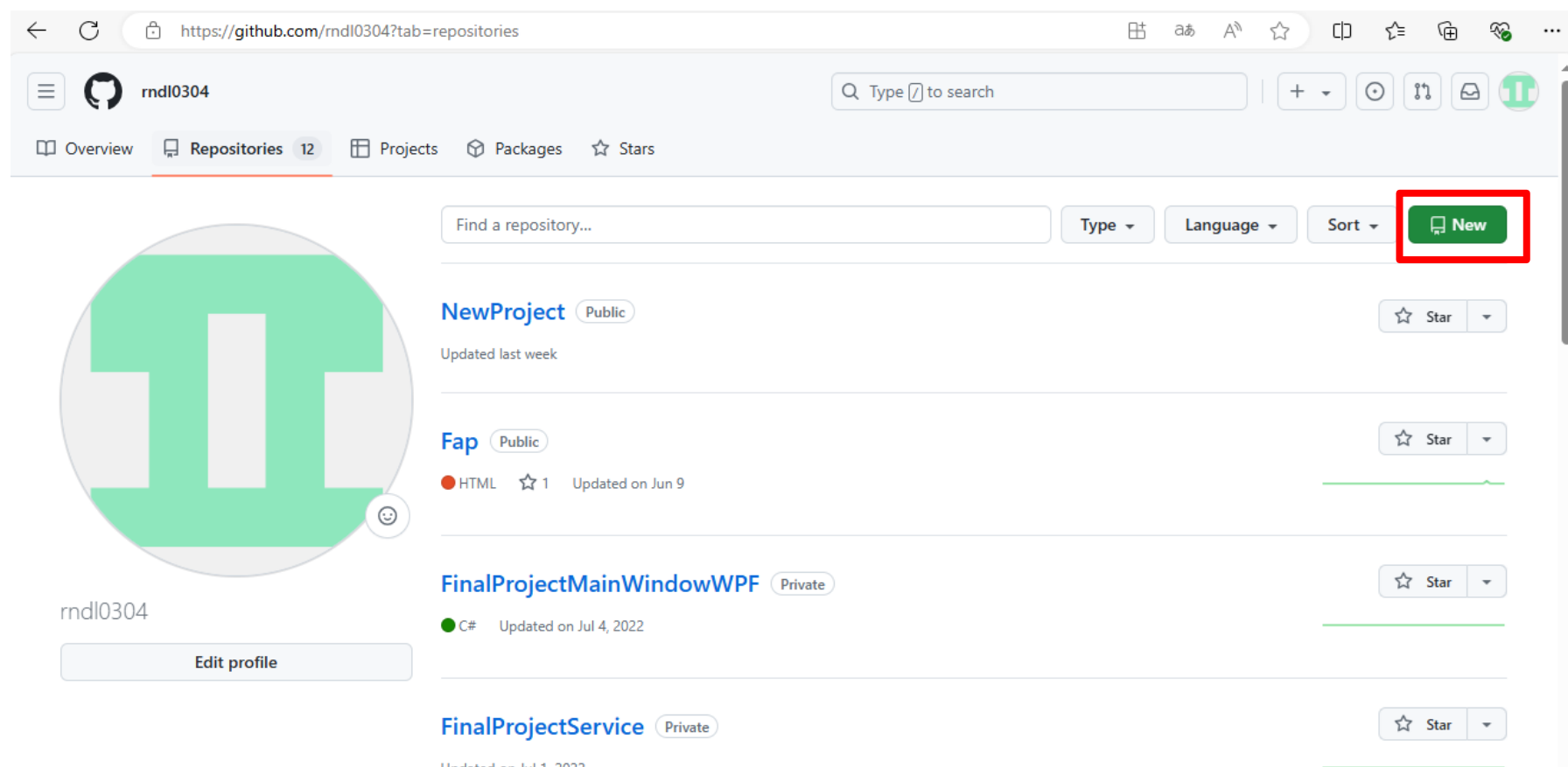


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Aula Prática

- Passo 1: Crie um repositório no Github.



Aula Prática

- Passo 2: Crie um repositório com o nome “Fap”.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?

[Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner *

 rndl0304

Repository name *

⚠ The repository Fap already exists on this account.

Great repository names are short and memorable. Need inspiration? How about [miniature-enigma](#) ?

Description (optional)

☒  **Public**

Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**

You choose who can see and commit to this repository.

Initialize this repository with:

☐ **Add a README file**

This is where you can write a long description for your project. [Learn more about READMEs.](#)

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Aula Prática

- Passo 3: Clone o repositório que você acabou de criar.

MINGW64:/c:/Users/Rafael/Documents/Repo/Fap

Rafael@LAPTOP-8NSDH8TK MINGW64 ~

\$ dir

3D\ Objects	Desktop	Modelos	Recent
Ambiente\ de\ Impressão	Documents	Music	Saved\ Games
Ambiente\ de\ Rede	Downloads	NTUSER.DAT	Searches
AppData	Favorites	NTUSER.DAT{61ed11b7-e7d9-11ea-b1ae-80528e2c6f30}.TM.blf	SendTo
Configurações\ Locais	IntelGraphicsProfiles	NTUSER.DAT{61ed11b7-e7d9-11ea-b1ae-80528e2c6f30}.TMContainer000000000000000001.regtrans-ms	Videos
Contacts	Links	NTUSER.DAT{61ed11b7-e7d9-11ea-b1ae-80528e2c6f30}.TMContainer000000000000000002.regtrans-ms	ntuser.dat.LOG1
Cookies	Menu\ Iniciar	OneDrive	ntuser.dat.LOG2
Dados\ de\ Aplicativos	Meus\ Documentos	Pictures	ntuser.ini

Rafael@LAPTOP-8NSDH8TK MINGW64 ~

\$ cd Documents/

Rafael@LAPTOP-8NSDH8TK MINGW64 ~/Documents

\$ cd Repo/

Rafael@LAPTOP-8NSDH8TK MINGW64 ~/Documents/Repo

\$ cd Fap/

Rafael@LAPTOP-8NSDH8TK MINGW64 ~/Documents/Repo/Fap (main)

\$ git clone https://github.com/rnd10304/Fap.git

Cloning into 'Fap'...

remote: Enumerating objects: 7, done.

remote: Counting objects: 100% (7/7), done.

remote: Compressing objects: 100% (5/5), done.

remote: Total 7 (delta 0), reused 4 (delta 0), pack-reused 0

Receiving objects: 100% (7/7), done.

Rafael@LAPTOP-8NSDH8TK MINGW64 ~/Documents/Repo/Fap (main)

\$

Aula Prática

- Exercício:
- Desenvolva um software que será executado em uma página HTML que tenha três botões:
- O primeiro botão será utilizado para o professor inserir as notas dos alunos;
- O segundo botão será utilizado para inserir o peso de cada nota;
- O terceiro botão será utilizado para calcular a média ponderada;
- **Observação: O software deve aceitar 4 a notas como entrada;**

Aula Prática

- Observações sobre o github:
- A dupla deve desenvolver o software utilizando três branches, uma para cada função;
- Deve se evitar o máximo a utilização de variáveis globais;
- No final do desenvolvimento deve ser feito o merge para branch main;

Aula Prática

- Criando uma branch no github:

The screenshot shows the GitHub interface for a repository named 'Fap'. The repository is public and has 1 star and 0 forks. The main branch is selected, and a modal window titled 'Switch branches/tags' is open, showing the process of creating a new branch named 'Atividade01' from 'main'. The commit history shows three commits: 'Adding the files to logic class' (last month), 'Adding the files to logic class' (last month), and 'Initial commit' (last month). The repository description is 'No description, website, or topics provided.' The 'About' section shows 1 star, 1 watching, and 0 forks. The 'Releases' section shows 'No releases published' and a link to 'Create a new release'. The 'Packages' section shows 'No packages published' and a link to 'Publish your first package'.

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Fap Public

Pin Unwatch 1 Fork 0 Star 1

main 1 Branch 0 Tags

Go to file Add file Code

About

No description, website, or topics provided.

Readme Activity 1 star 1 watching 0 forks

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Switch branches/tags

Atividade01

Branches Tags

Create branch Atividade01 from main

View all branches

914fb9d · last month 2 Commits

Adding the files to logic class last month

Adding the files to logic class last month

Initial commit last month

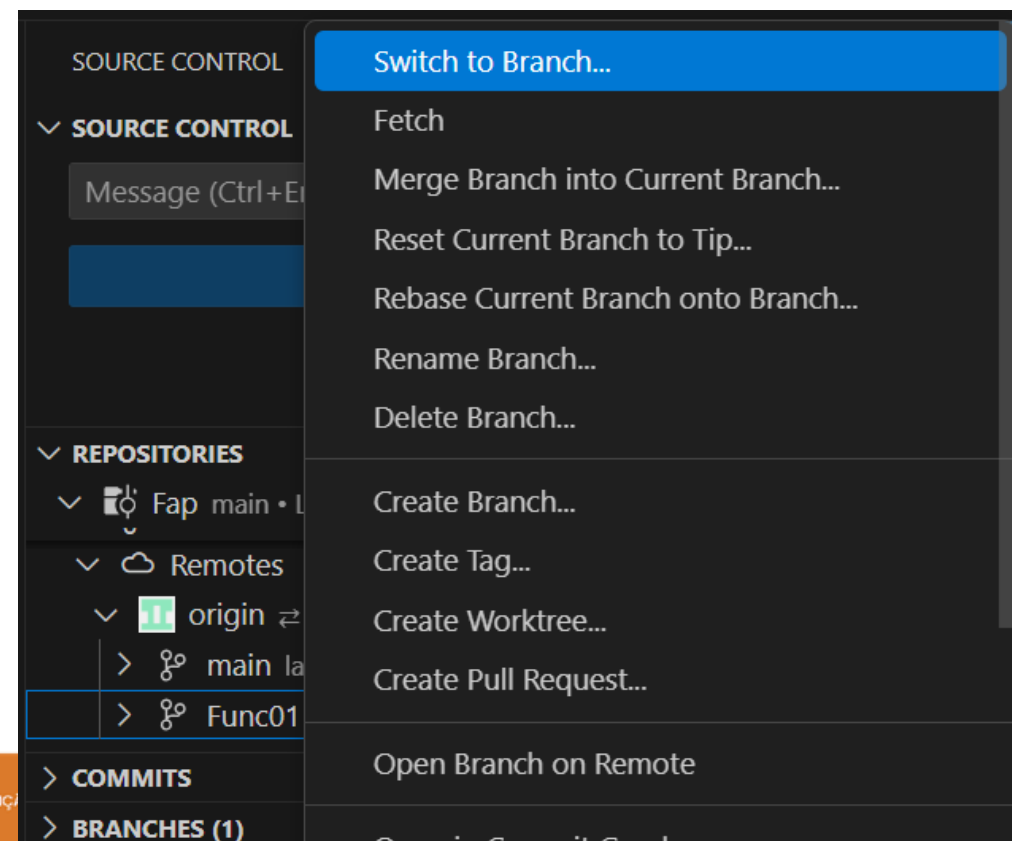
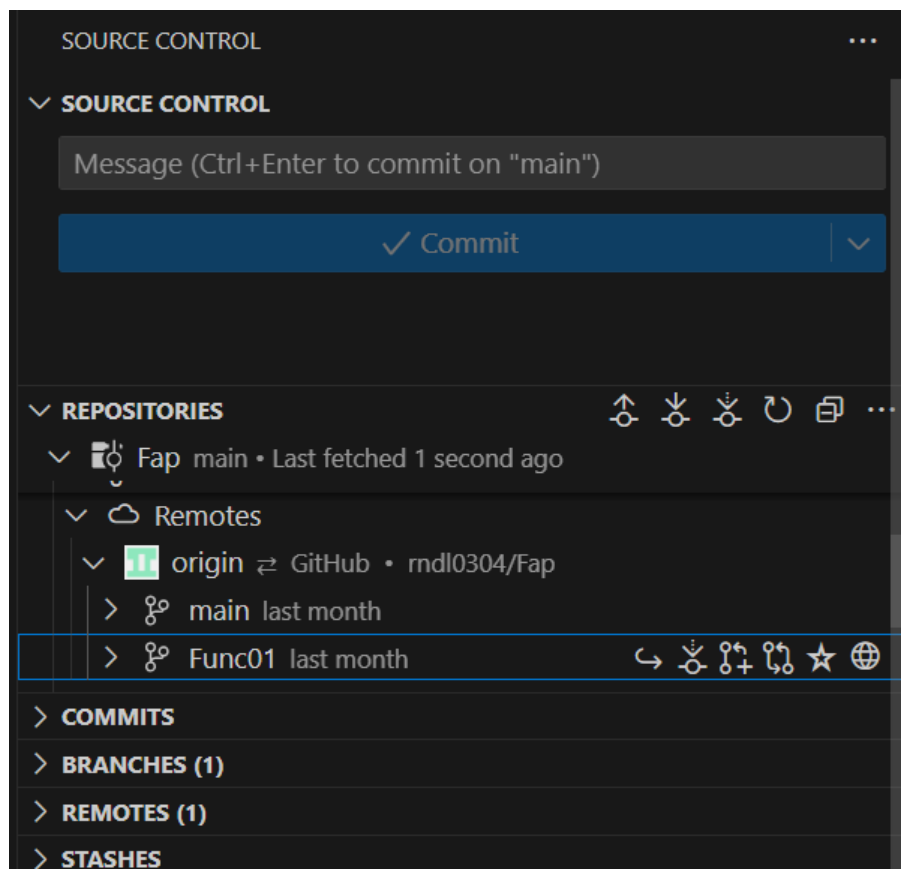
README

Fap

- The image shows the Visual Studio Source Control interface. On the left, the 'SOURCE CONTROL' sidebar is visible, showing a 'Commit' button and a list of repositories. The main area displays the 'Welcome' dialog with 'Start' and 'Recent' sections. The 'Start' section includes options like 'New File...', 'Open File...', 'Open Folder...', 'Clone Git Repository...', and 'Connect to...'. The 'Recent' section lists recent files and folders, including 'C:\Users\Rafael\Downloads' and 'C:\Users\Rafael\Documents\Repo'.

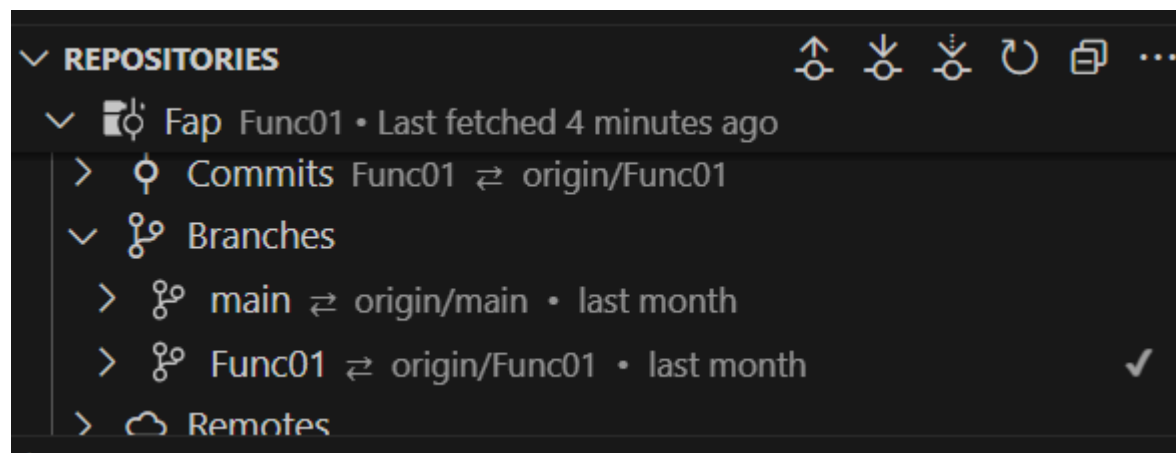
Aula Prática

- Para usar a branch localmente é necessário primeiro fazer um fetch:



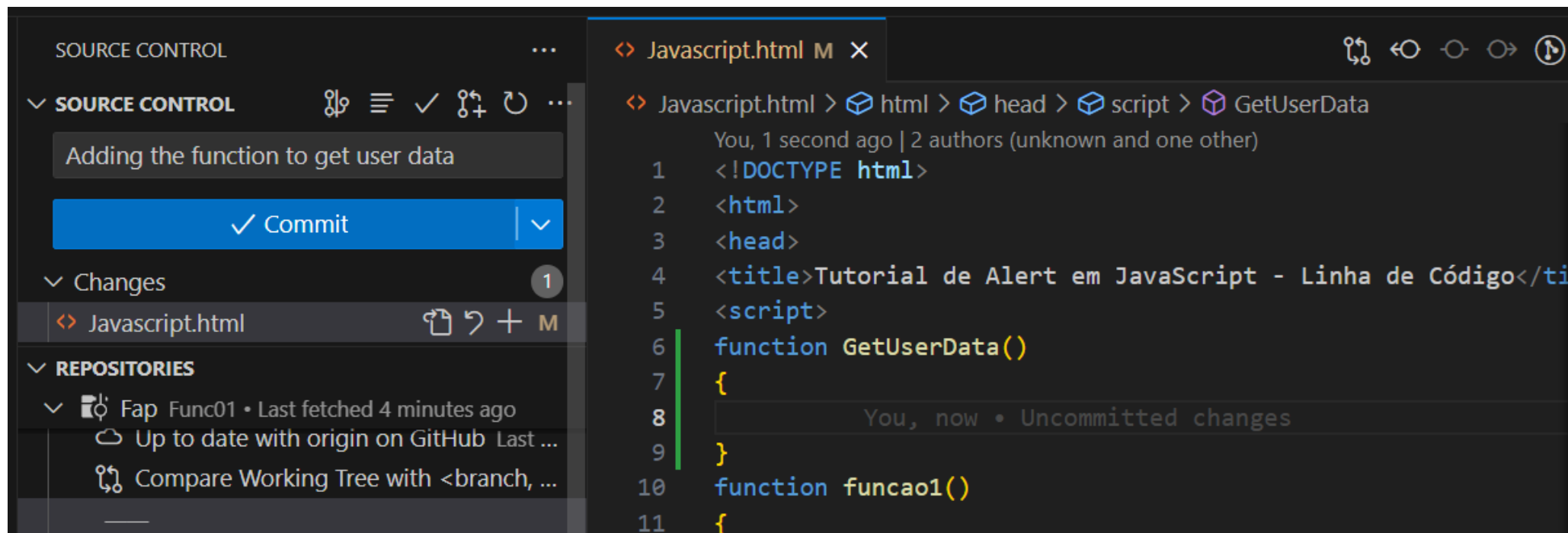
Aula Prática

- Verifique se sua branch local está configurada para sua nova branch:



Aula Prática

- Fazendo um commit na nova branch:



Aula Prática

- Se você tiver um erro, pode deverá atualizar o user.name e o user.email globalmente:

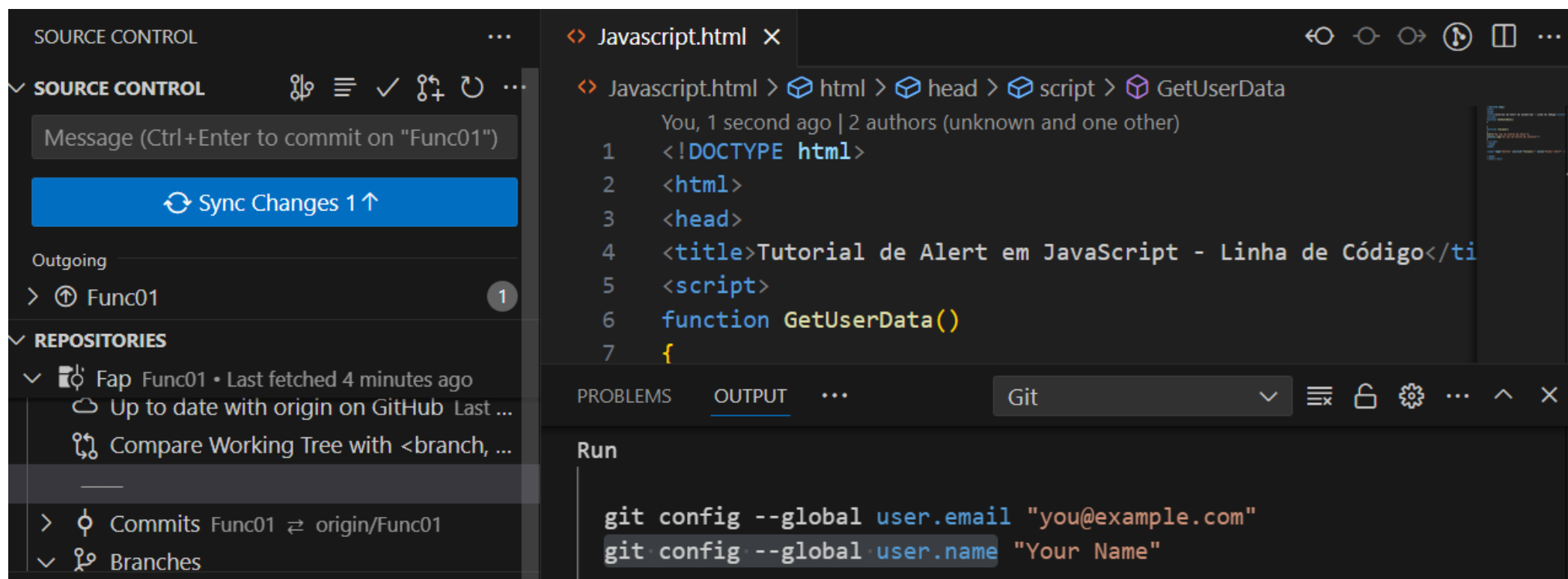
```
Rafael@LAPTOP-8NSDHBTK MINGW64 ~/Documents/Repo/Fap (main)
$ git config --global user.name rndl0304

Rafael@LAPTOP-8NSDHBTK MINGW64 ~/Documents/Repo/Fap (main)
$ git config --global user.email rndl0304@gmail.com

Rafael@LAPTOP-8NSDHBTK MINGW64 ~/Documents/Repo/Fap (main)
$
```

Aula Prática

- Agora você vai fazer uma ação de push para o branch remota:



Aula Prática

- Com sua primeira funcionalidade pronta, você pode criar seu primeiro pull request:

The screenshot shows a GitHub repository named 'Fap' which is public. At the top, there are buttons for 'Pin', 'Unwatch' (1), 'Fork' (0), and 'Star' (1). A yellow banner indicates that 'Func01' had recent pushes 9 seconds ago, with a 'Compare & pull request' button. Below this, there are filters for 'Func01', '2 Branches', and '0 Tags', along with a 'Go to file' search bar, an 'Add file' button, and a 'Code' button. A status bar shows 'This branch is up to date with main'. The commit history table shows three commits: 'Javascript.html' and 'Javascript.js' (both 'Adding the files to logic class' from 'last month') and 'README.md' ('Initial commit' from 'last month'). At the bottom is a 'README' section. On the right sidebar, the 'About' section states 'No description, website, or topics provided.' and lists '1 star', '1 watching', and '0 forks'. The 'Releases' section says 'No releases published' with a link to 'Create a new release'. The 'Packages' section says 'No packages published' with a link to 'Publish your first package'.

Fap Public

Pin Unwatch 1 Fork 0 Star 1

Func01 had recent pushes 9 seconds ago [Compare & pull request](#)

Func01 2 Branches 0 Tags Add file [Code](#)

This branch is up to date with `main`. [Contribute](#)

rndl0304 Adding the files to logic class 914fb9d · last month 2 Commits		
Javascript.html	Adding the files to logic class	last month
Javascript.js	Adding the files to logic class	last month
README.md	Initial commit	last month

[README](#)

About [Settings](#)

No description, website, or topics provided.

[Readme](#) [Activity](#) [1 star](#) [1 watching](#) [0 forks](#)

Releases

No releases published [Create a new release](#)

Packages

No packages published [Publish your first package](#)

Aula Prática

- Seu primeiro pull request:

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 diff comparisons here](#).

base: main

compare: Func01

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

Add a title

Adding the function to get user data

Add a description

WritePreview

H B I

Adding the new function to main branch

Markdown is supported

Paste, drop, or click to add files

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Use [Closing keywords](#) in the description to automatically close issues

Create pull request

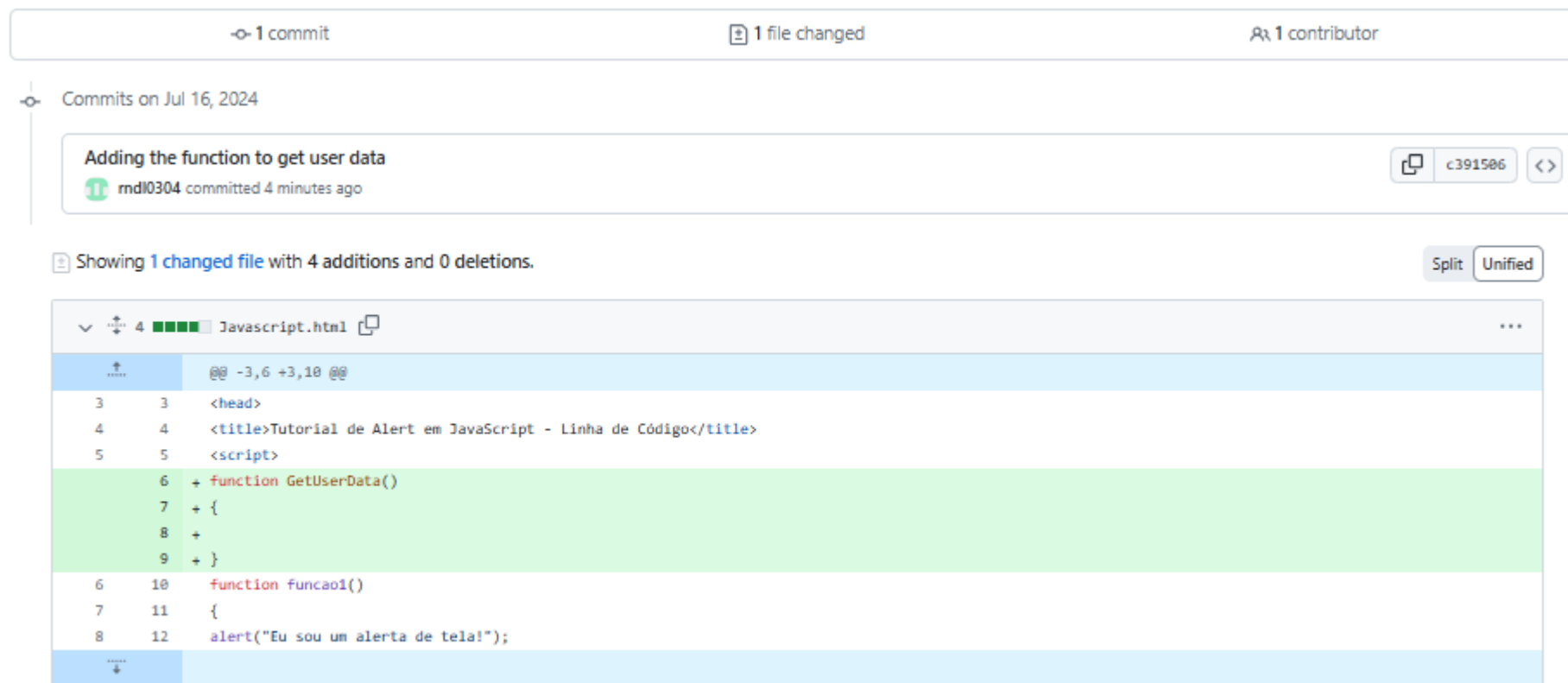
Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Helpful resources

[GitHub Community Guidelines](#)

Aula Prática

- Seu primeiro pull request:



Aula Prática

- Fazendo o merge:

The screenshot displays a GitHub pull request titled "Adding the function to get user data #1". The pull request is from the `Func01` branch to the `main` branch. The status bar indicates "Adding the function to get user data" with a commit hash `c391506`.

Below the status bar, a message states: "Add more commits by pushing to the `Func01` branch on [rmdl0304/Fap](#)."

A green box highlights the merge status and options:

- Require approval from specific reviewers before merging**: [Rulesets](#) ensure specific people approve pull requests before they're merged. (Add rule)
- Continuous integration has not been set up**: [GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.
- This branch has no conflicts with the base branch**: Merging can be performed automatically.

A green button labeled "Merge pull request" is visible, along with a note: "You can also [open this in GitHub Desktop](#) or view [command line instructions](#)."

At the bottom, there is an "Add a comment" button.

On the right side, there are settings for Assignees (No one—[assign yourself](#)), Labels (None yet), Projects (None yet), Milestone (No milestone), and Development (Successfully merging this pull request may close these issues. None yet).

Aula Prática

- Fazendo o merge:

Adding the function to get user data #1

Merged rmdl0304 merged 1 commit into `main` from `Func01` now

Edit <> Code

Conversation 0 Commits 1 Checks 0 Files changed 1

+4 -0

rmdl0304 commented 1 minute ago Owner ...

Adding the new function to main branch

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Adding the function to get user data c391586

rmdl0304 merged commit `ef75b86` into `main` now

Revert

Pull request successfully merged and closed Delete branch

You're all set—the `Func01` branch can be safely deleted.

Add a comment

Aula Prática

- O código vai parar na branch de destino:

Fap / Javascript.html

rndl0304 Adding the function to get user data

Code

Blame

22 lines (19 loc) · 353 Bytes

Code 55% faster with GitHub Copilot

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Tutorial de Alert em JavaScript - Linha de Código</title>
5  <script>
6  function GetUserData()
7  {
8
9  }
10 function funcao1()
11 {
12 alert("Eu sou um alerta de tela!");
13 console.log("eu sou um alerta de console!");
14 }
15 </script>
16 </head>
17 <body>
18
19 <input type="button" onclick="funcao1()" value="Exibir Alert" />
20
21 </body>
22 </html></div>
```

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