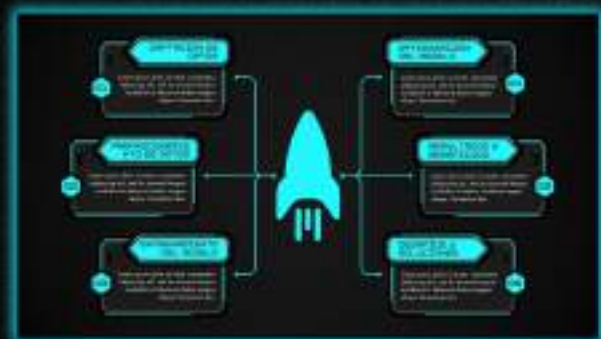


GIT Y GITHUB

Object Oriented Programming

CHICAIZA STEFANY
CHIRIBOGA THOMAS
VIVER DANNY



WHAT'S GIT?

Version control
system

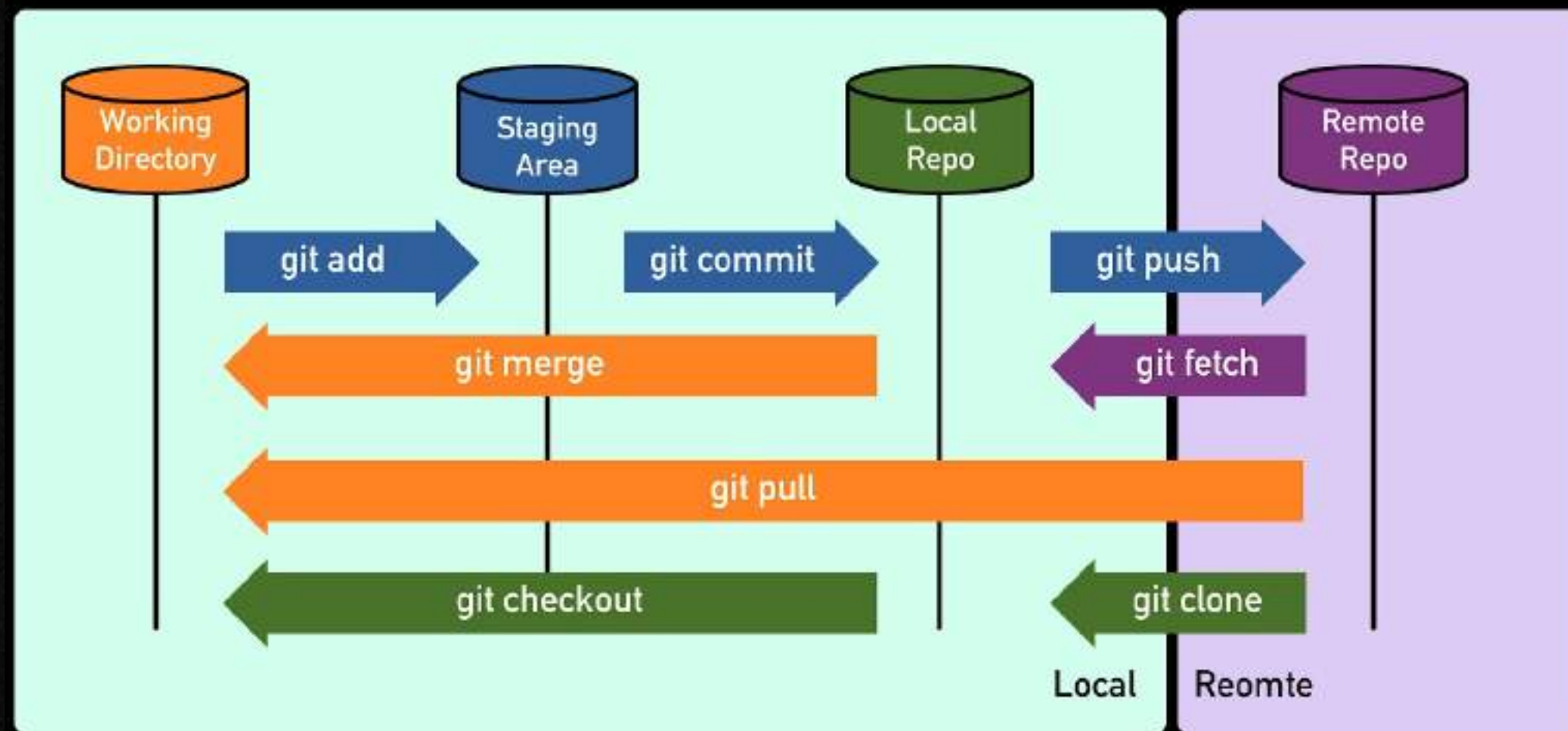
01



Used by programmers
because it makes it
easier to collaborate

02

How Git Actually Works



- Clone the repository (git clone)
- Add changes to the staging area (git add)
- Commit changes (git commit)
- Send changes to the remote repository (git push)
- Get changes from the remote repository (git fetch and git pull)
- Merge branches (git merge)
- Switch between branches (git checkout or git switch)

Online platform that
hosts repositories of
projects that use Git

01



WHAT'S
GITHUB?

Provides tools such as
repositories,
branches, and pull
requests

02

DIFFERENCES BETWEEN GIT AND GITHUB

GIT

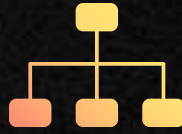


Tool that is a tool that works as a "change history" of your project. It works as a "change history" of your project.

Save your project history locally, that is, on your own computer.



Create versions of your project



You can use it only on your computer if you only need the change history



It simply handles version control

commits
branches
merges
rebases



GITHUB



It is an online platform where you can host these Git projects, share them with others and work as a team.

It's like a "cloud copy" of your project.



You use it to collaborate.



It doesn't work alone, it requires Git to create and manage changes to the project.

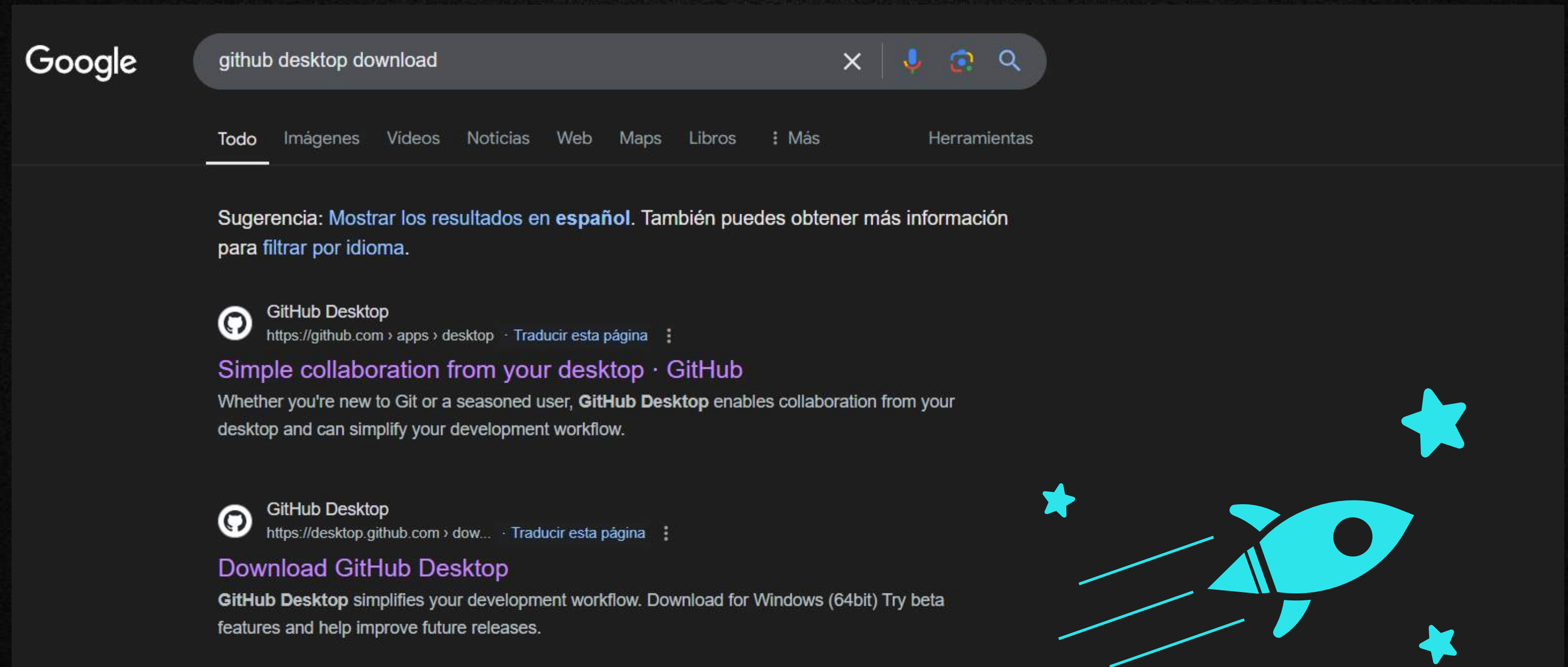


Extra Features for Collaboration


Issues
Pull Requests
Discussions



PROGRAM INSTALLATION



PROGRAM INSTALLATION

 [Product](#) [Solutions](#) [Resources](#) [Open Source](#) [Enterprise](#) [Pricing](#)

[/](#) [Sign in](#) [Sign up](#)

[GitHub Desktop](#) [Download](#) [Release Notes](#) [Help](#)

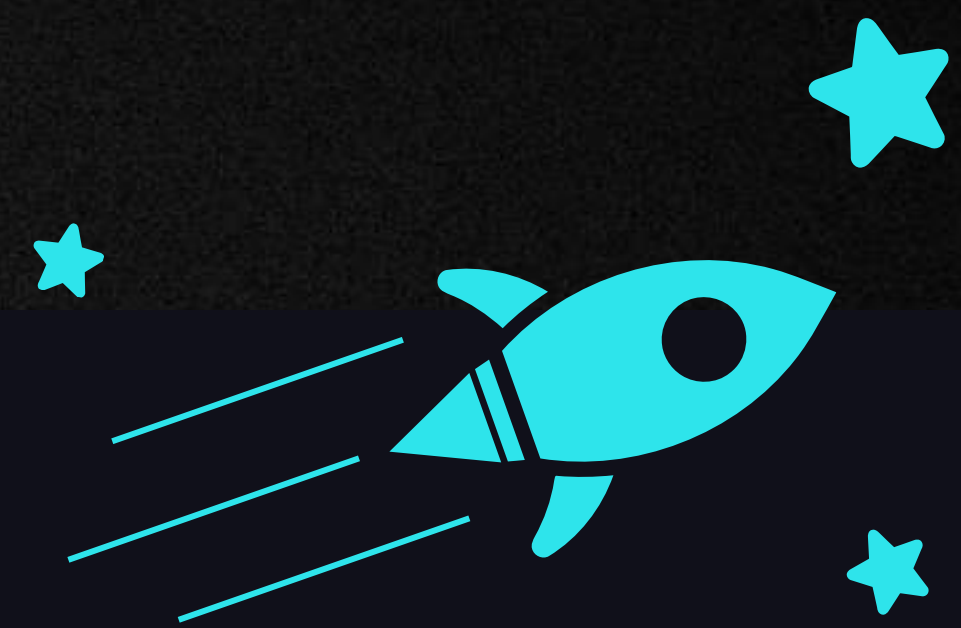
GitHub Desktop

Experience Git without the struggle

Whether you're new to Git or a seasoned user, GitHub Desktop simplifies your development workflow.

[Download now >](#)

PROGRAM INSTALLATION



**GitHub
Desktop**

[Download](#)

[Release Notes](#)

[Help](#)

Download GitHub Desktop

Focus on what matters instead of fighting with Git. Whether you're new to Git or a seasoned user, GitHub Desktop simplifies your development workflow.

[Download for Windows \(64bit\)](#)

Try beta features and help improve future releases

Experience the latest features and bug fixes before they're released.

[Check out Beta](#)

Prefer the MSI?

Need to package to install across your organization?

[Download for Windows \(MSI\)](#)

Mac?

Need to download for macOS?

[Download for macOS](#)

PROGRAM INSTALLATION

Descargas

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Acer (C:)

>

Usuarios

>

DANNY VIVER

>

Descargas

>

⊕ Nuevo ▾

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↕ Ordenar ▾

☰ Ver ▾

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🏠 Inicio

🖼 Galería

> ☁ Danny - Persona

📁 Escritorio ★

📄 Descargas ★

📄 Documentos ★

🖼 Imágenes ★

🎵 Música ★

🎬 Videos ★

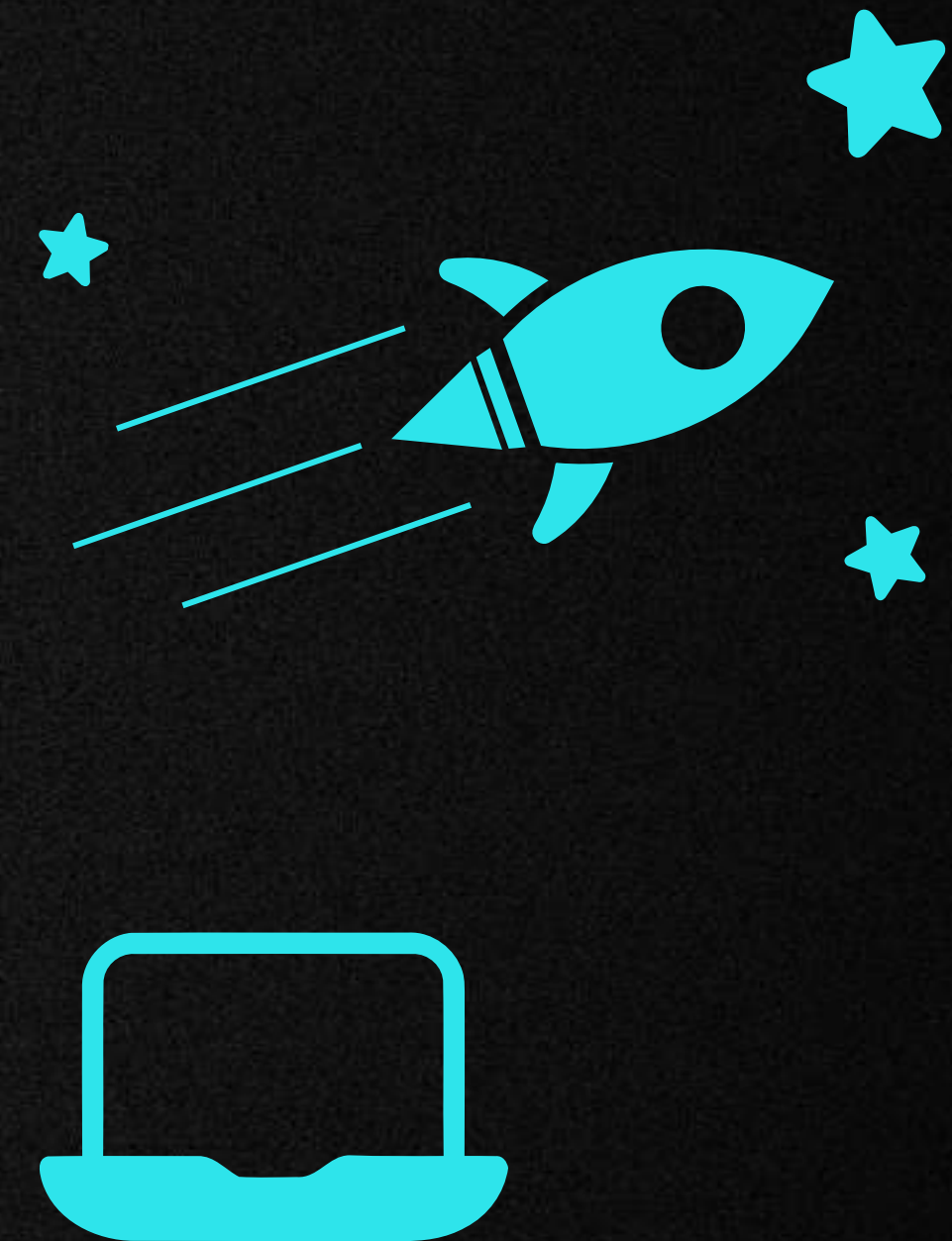
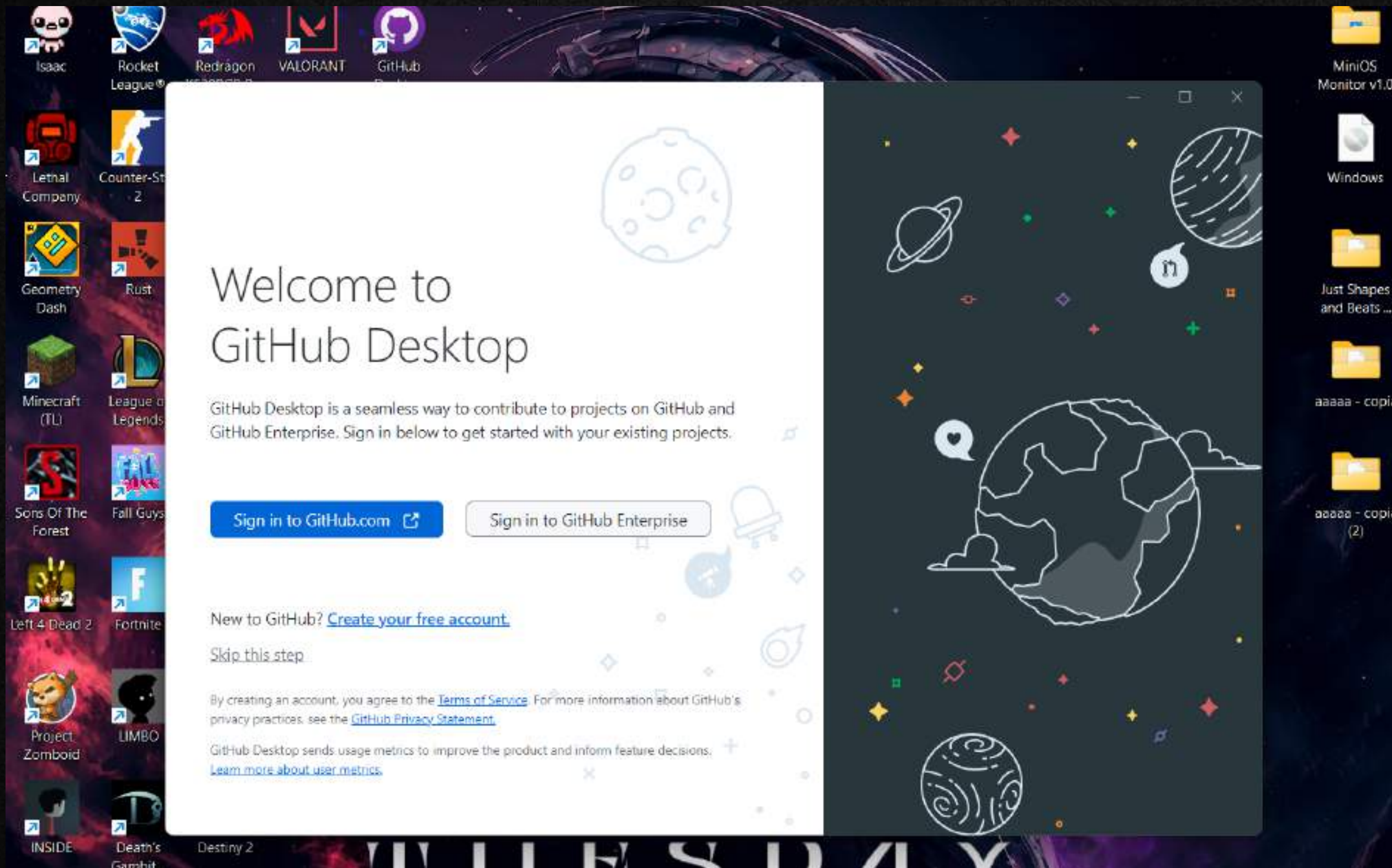
Nombre	Fecha de modificación	Tipo	Tamaño
▼ Hoy			
🌀 GitHubDesktopSetup-x64	29/10/2024 9:23 PM	Aplicación	163.583 KB
▼ Al principio de este mes			
🕒 Deberes de conducción	10/10/2024 12:27 AM	Opera GX Web Do...	3.980 KB
📄 iotools.cloud_text-to-handwriting (2)	9/10/2024 11:29 PM	Archivo PNG	347 KB
📄 iotools.cloud_text-to-handwriting (1)	9/10/2024 11:28 PM	Archivo PNG	456 KB
📄 iotools.cloud_text-to-handwriting	9/10/2024 11:24 PM	Archivo PNG	741 KB
📄 PODER ESPECIAL FIRMA ELECTRÓNICA (2)	7/10/2024 5:05 PM	Documento de Mi...	16 KB
📄 ultima clase	7/10/2024 12:01 AM	Documento de Mi...	6.426 KB
🕒 CARATULA	3/10/2024 2:20 PM	Opera GX Web Do...	198 KB
🕒 CARTA COBRO TARJETA DE CREDITO EDI...	3/10/2024 2:20 PM	Opera GX Web Do...	545 KB

🚀

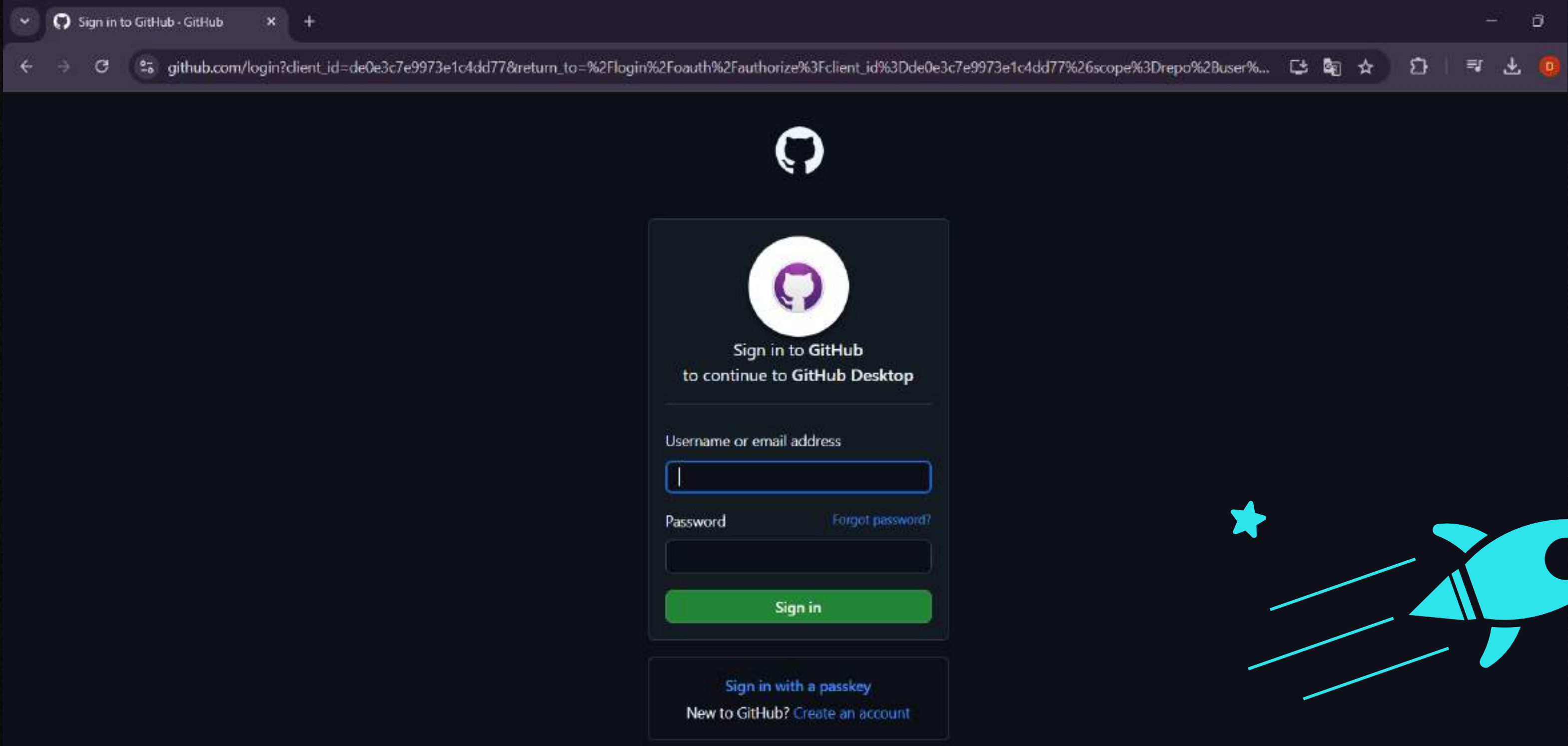
★

★


PROGRAM INSTALLATION



PROGRAM INSTALLATION



PROGRAM INSTALLATION



Already have an account? [Sign in →](#)

Welcome to GitHub!

Let's begin the adventure

Enter your email*

✓ dfviver@espe.edu.ec


Create a password*

✓

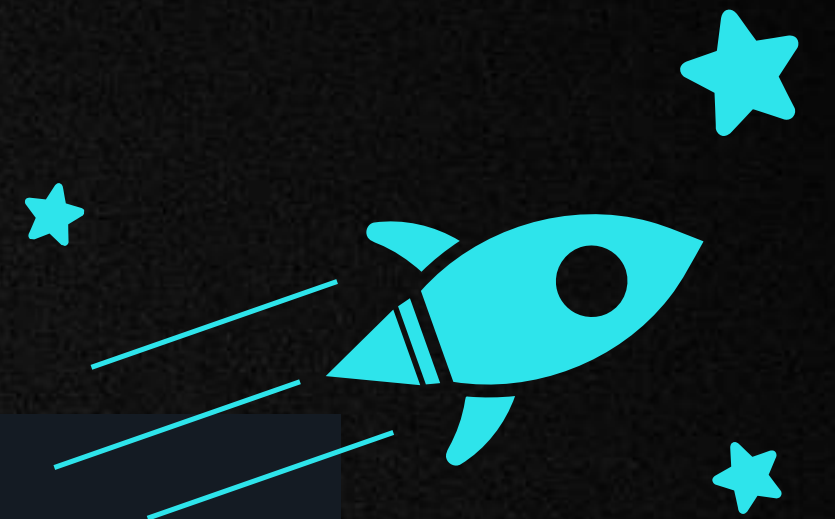
Enter a username*

→ Danny Viver

Continue



PROGRAM INSTALLATION



Select user to authorize
GitHub Desktop



Signed in as

DV

Continue

Use a different account



Authorize GitHub Desktop



GitHub Desktop by [GitHub Desktop](#)
wants to access your BERSERKER-DV account



Repositories
Public and **private**



Personal user data
Full access



Workflow
Update GitHub Action Workflow files.

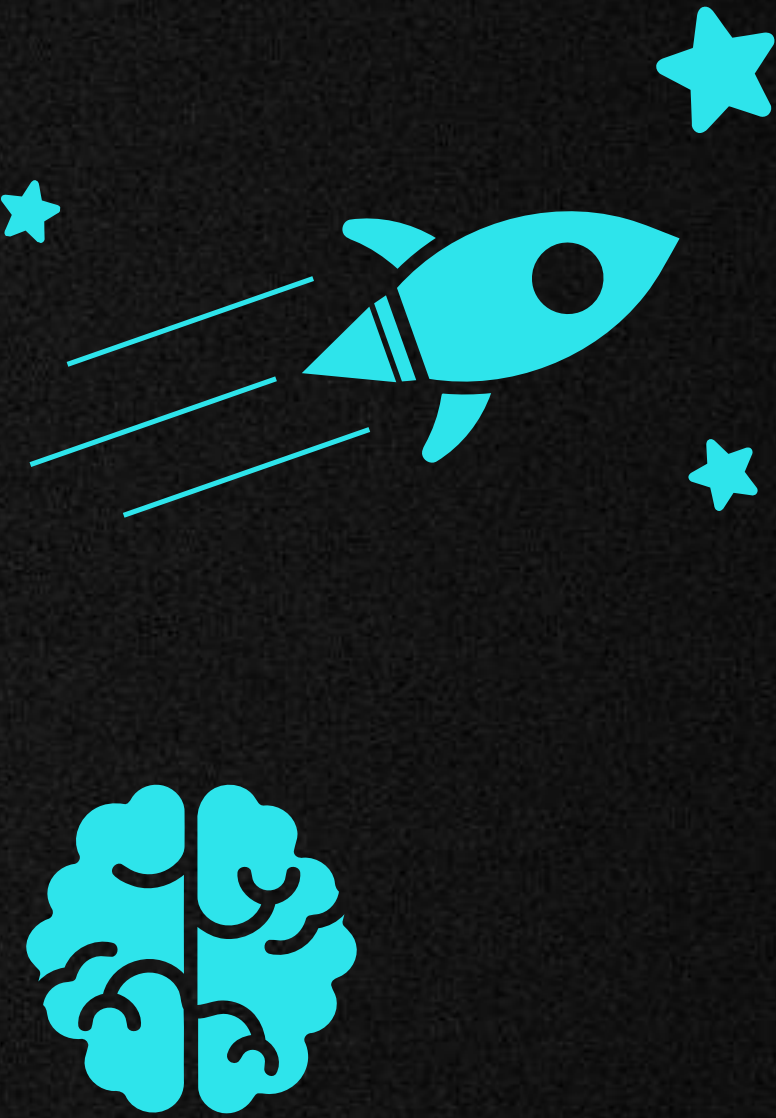
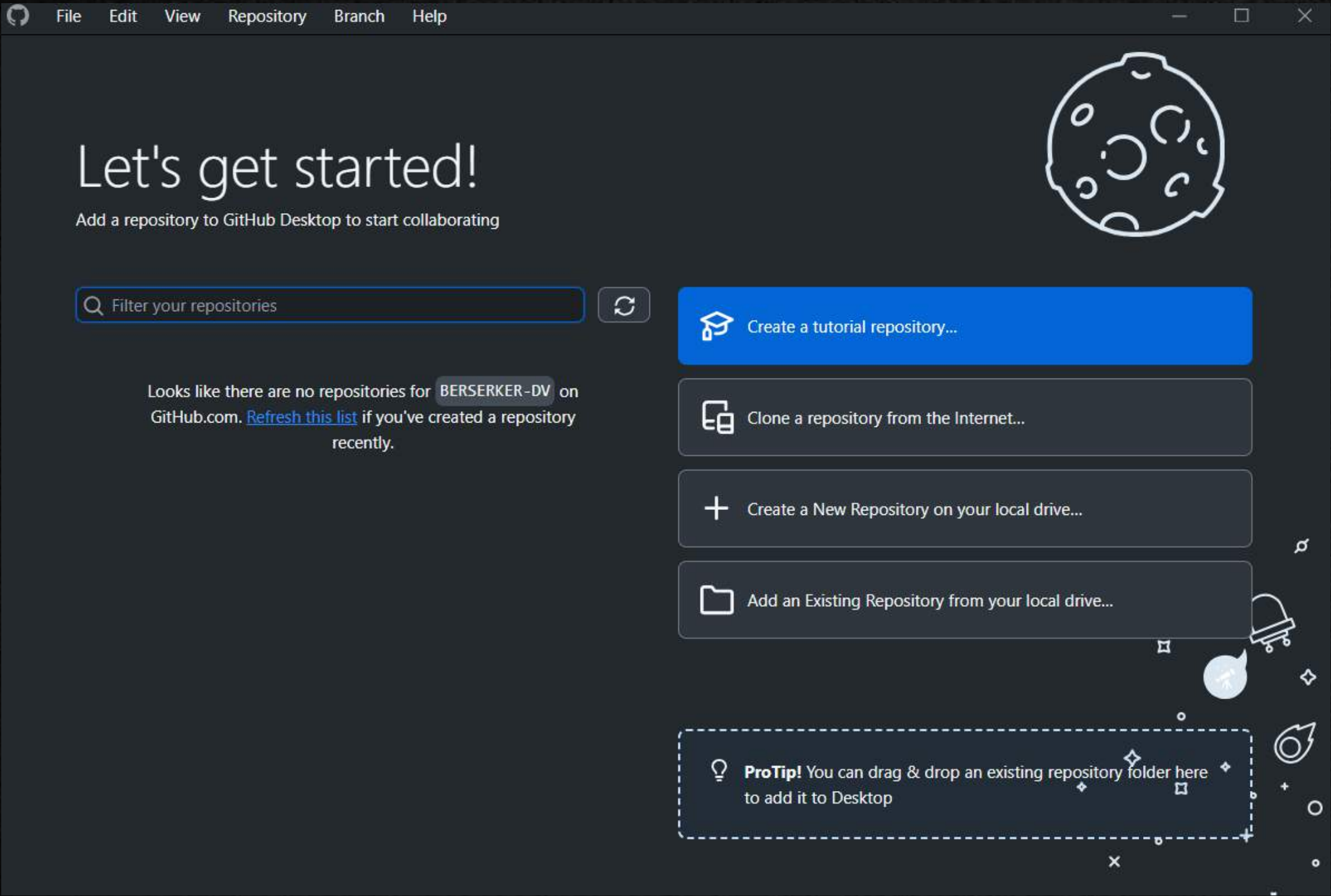


Cancel

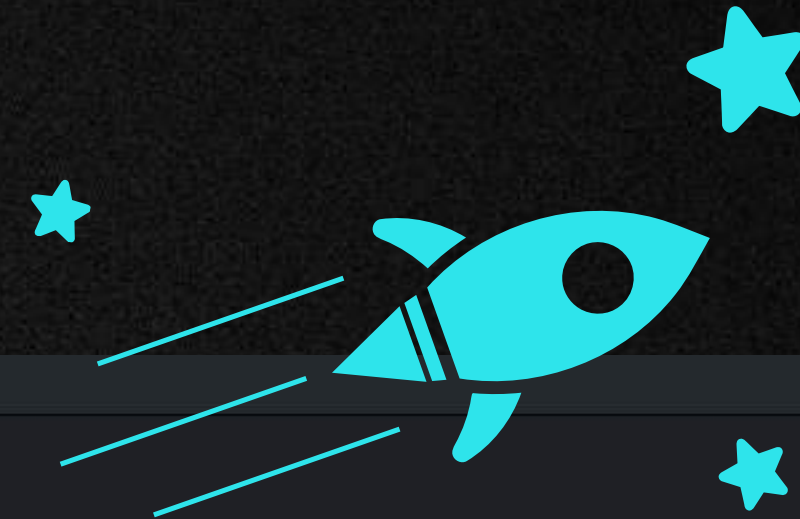
Authorize desktop

Authorizing will redirect to
`x-github-desktop-auth://oauth`

PROGRAM INSTALLATION



PROGRAM INSTALLATION



File Edit View Repository Branch Help

Current repository
desktop-tutorial

Current branch
main

Fetch origin
Last fetched 2 minutes ago

Changes

History


0 changed files

Summary (required)


Description

Welcome to GitHub Desktop


Use this tutorial to get comfortable with Git, GitHub, and GitHub Desktop.



Git is the version control system.



GitHub is where you store your code and collaborate with others.



GitHub Desktop helps you work with GitHub locally.

Get started

1 Install a text editor [Skip](#)

It doesn't look like you have a text editor installed. We can recommend [Visual Studio Code](#) or [Atom](#), but feel free to use any.
[I have an editor](#)


2 Create a branch

3 Edit a file

4 Make a commit

5 Publish to GitHub

PROGRAM INSTALLATION

 Visual Studio Code

Docs

Updates


Blog

API

Extensions

FAQ

GitHub Copilot

 Search Docs

Download

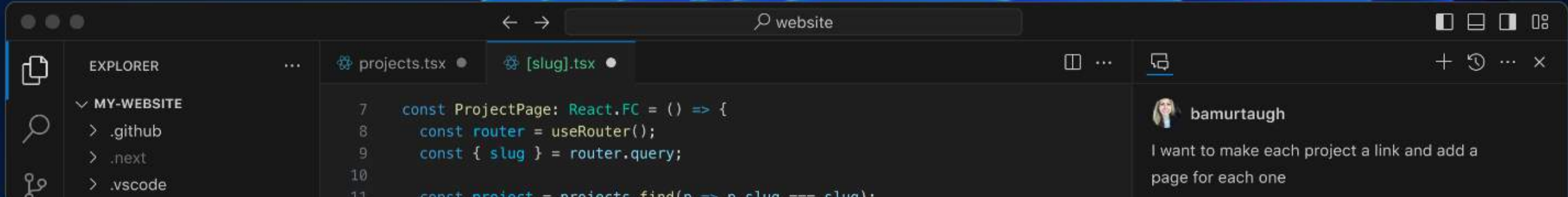
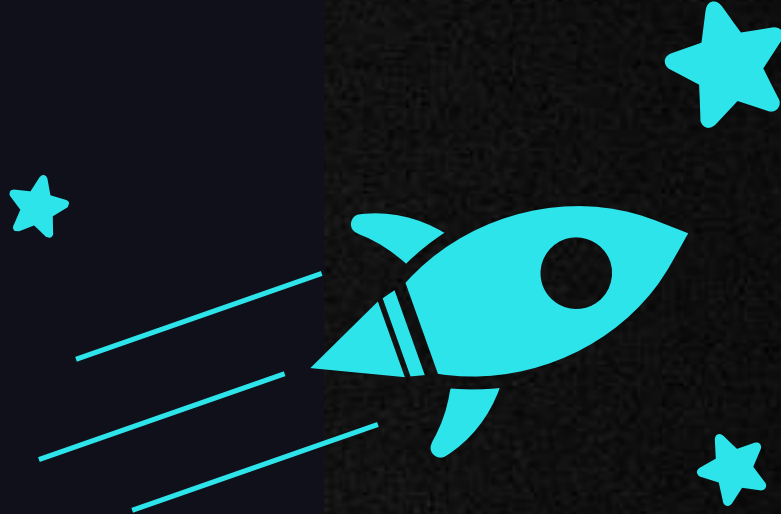
[Version 1.95](#) is now available! Read about the new features and fixes from October.

Code faster with AI

Visual Studio Code with GitHub Copilot supercharges your code with AI-powered suggestions, right in your editor.

Download for Windows

Try GitHub Copilot

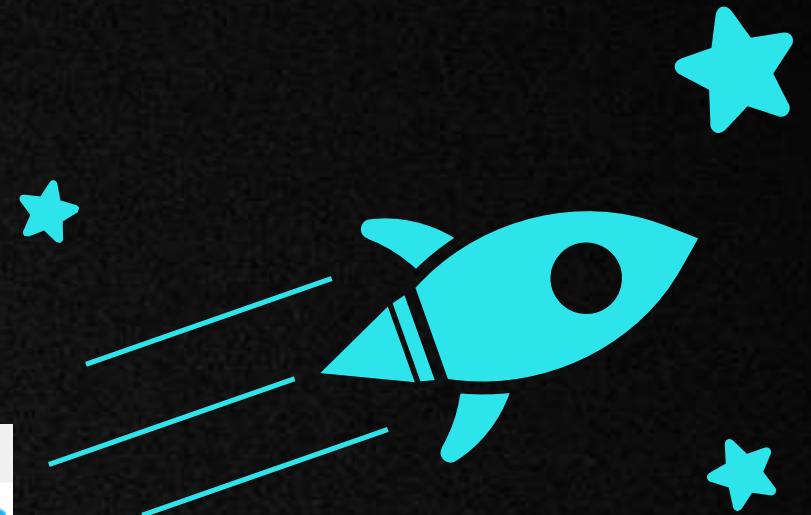


```
7  const ProjectPage: React.FC = () => {
8    const router = useRouter();
9    const { slug } = router.query;
10
11   const project = projects.find(p => p.slug === slug);
```

bamurtaugh

I want to make each project a link and add a page for each one

PROGRAM INSTALLATION



Instalar - Microsoft Visual Studio Code (User)

Acuerdo de Licencia

Es importante que lea la siguiente información antes de continuar.

Por favor, lea el siguiente acuerdo de licencia. Debe aceptar las cláusulas de este acuerdo antes de continuar con la instalación.

Esta licencia se aplica al producto Visual Studio Code. El código fuente para Visual Studio Code está disponible en <https://github.com/Microsoft/vscode> según el acuerdo de licencia del MIT en <https://github.com/microsoft/vscode/blob/main/LICENSE.txt>. Encontrará información adicional sobre licencias frecuentes en <https://code.visualstudio.com>


TÉRMINOS DE LICENCIA DEL MICROSOFT

☒ Acepto el acuerdo
☐ No acepto el acuerdo

Instalar - Microsoft Visual Studio Code (User)

Seleccione la Carpeta del Menú Inicio

¿Dónde deben colocarse los accesos directos del programa?

 El programa de instalación creará los accesos directos del programa en Menú Inicio.

Para continuar, haga clic en Siguiente. Si desea seleccionar una carpeta distinta

Visual Studio Code

☐ No crear una carpeta en el Menú Inicio

< Atrás Siguiente > Cancelar

Instalar - Microsoft Visual Studio Code (User)

Seleccione las Tareas Adicionales

¿Qué tareas adicionales deben realizarse?

Seleccione las tareas adicionales que desea que se realicen durante la instalación de Visual Studio Code y haga clic en Siguiente.

Accesos directos adicionales:

☐ Crear un acceso directo en el escritorio

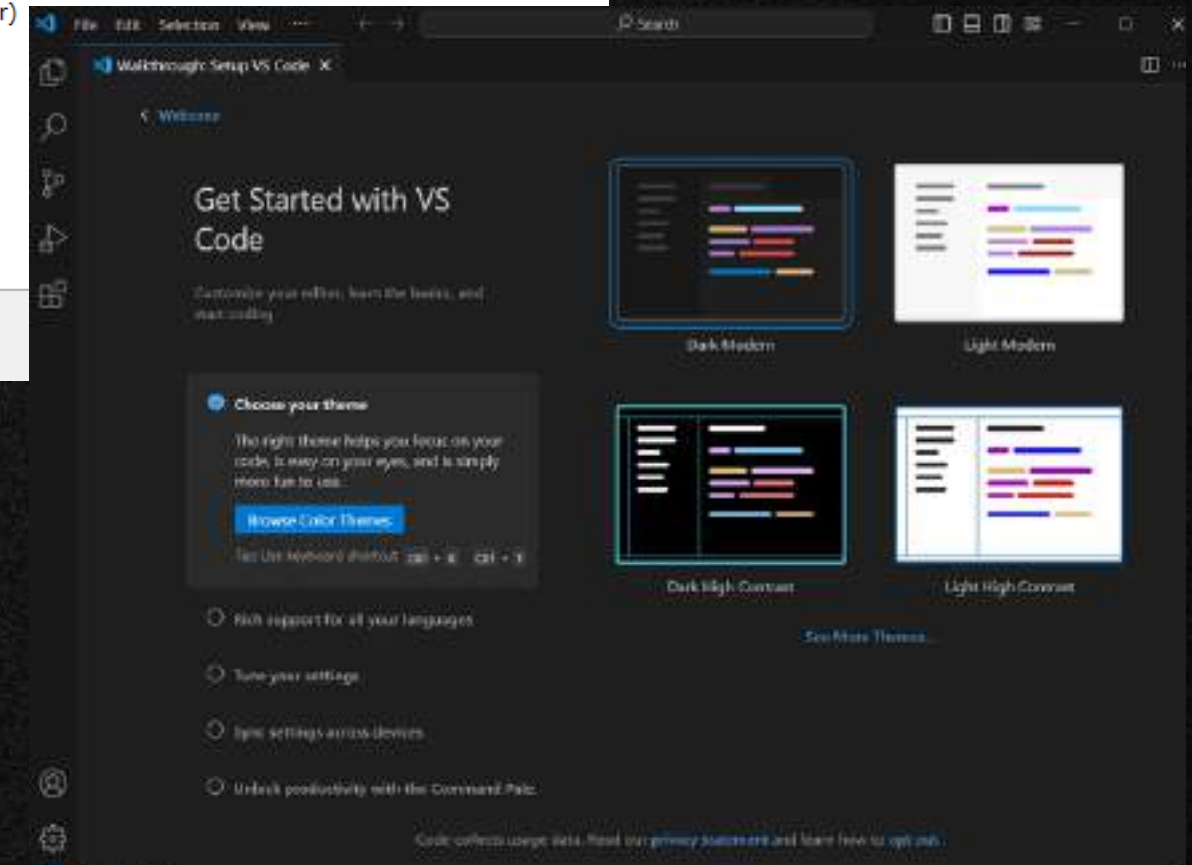
Otros:

☐ Agregar la acción "Abrir con Code" al menú contextual de archivo del Explorador de Windows

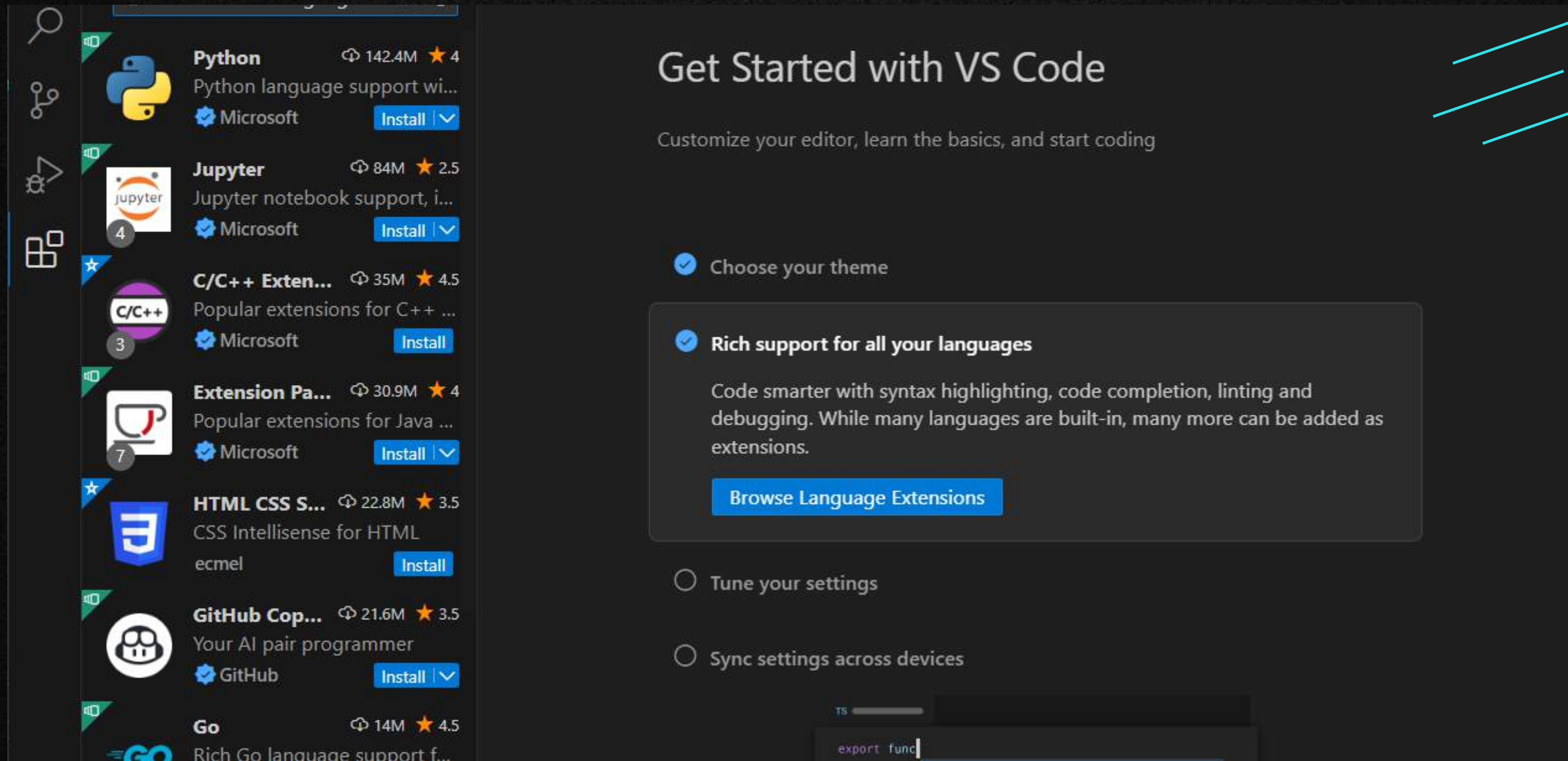
☐ Agregar la acción "Abrir con Code" al menú contextual de directorio del Explorador de Windows

☒ Registrar Code como editor para tipos de archivo admitidos

☒ Agregar a PATH (disponible después de reiniciar)



PROGRAM INSTALLATION



The image displays two side-by-side screenshots from the Visual Studio Code interface. The left screenshot shows the 'Extensions' view with a list of installed and available extensions. The right screenshot shows the 'Get Started with VS Code' onboarding screen with several configuration options.

Left Screenshot: Extensions Marketplace

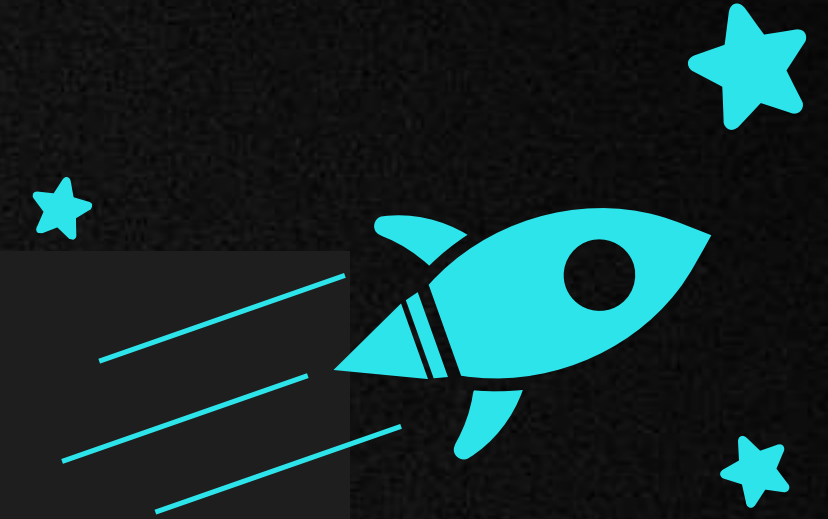
Extension Name	Developer	Downloads	Rating	Action
Python	Microsoft	142.4M	4	Install
Jupyter	Microsoft	84M	2.5	Install
C/C++ Extension Pack	Microsoft	35M	4.5	Install
Extension Pack for Java	Microsoft	30.9M	4	Install
HTML CSS Support	ecmel	22.8M	3.5	Install
GitHub Copilot	GitHub	21.6M	3.5	Install
Go		14M	4.5	

Right Screenshot: Get Started with VS Code

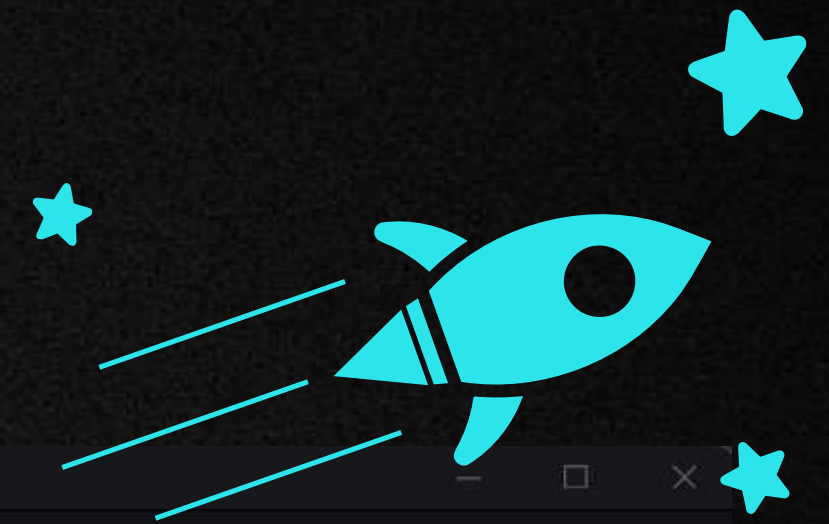
Customize your editor, learn the basics, and start coding

- ☒ Choose your theme
- ☒ Rich support for all your languages
 - Code smarter with syntax highlighting, code completion, linting and debugging. While many languages are built-in, many more can be added as extensions.
 - [Browse Language Extensions](#)
- ☐ Tune your settings
- ☐ Sync settings across devices

At the bottom, a code editor snippet is visible showing a TypeScript function declaration: `export func`.



PROGRAM INSTALLATION



FileEditViewRepositoryBranchHelp

Current repository
desktop-tutorial

Current branch
main

Fetch origin
Last fetched 12 minutes ago

ChangesHistory

0 changed files

Get started

Install a text editor

2

Create a branch

A branch allows you to work on different versions of a repository at one time. Create a branch by going into the branch menu in the top bar and clicking "New branch".

Ctrl + Shift + N

3

Edit a file

4

Make a commit

5

Publish to GitHub

Summary (required)

Description

Git is the version control system.

Use this tutorial to get comfortable with Git, GitHub, and GitHub Desktop.

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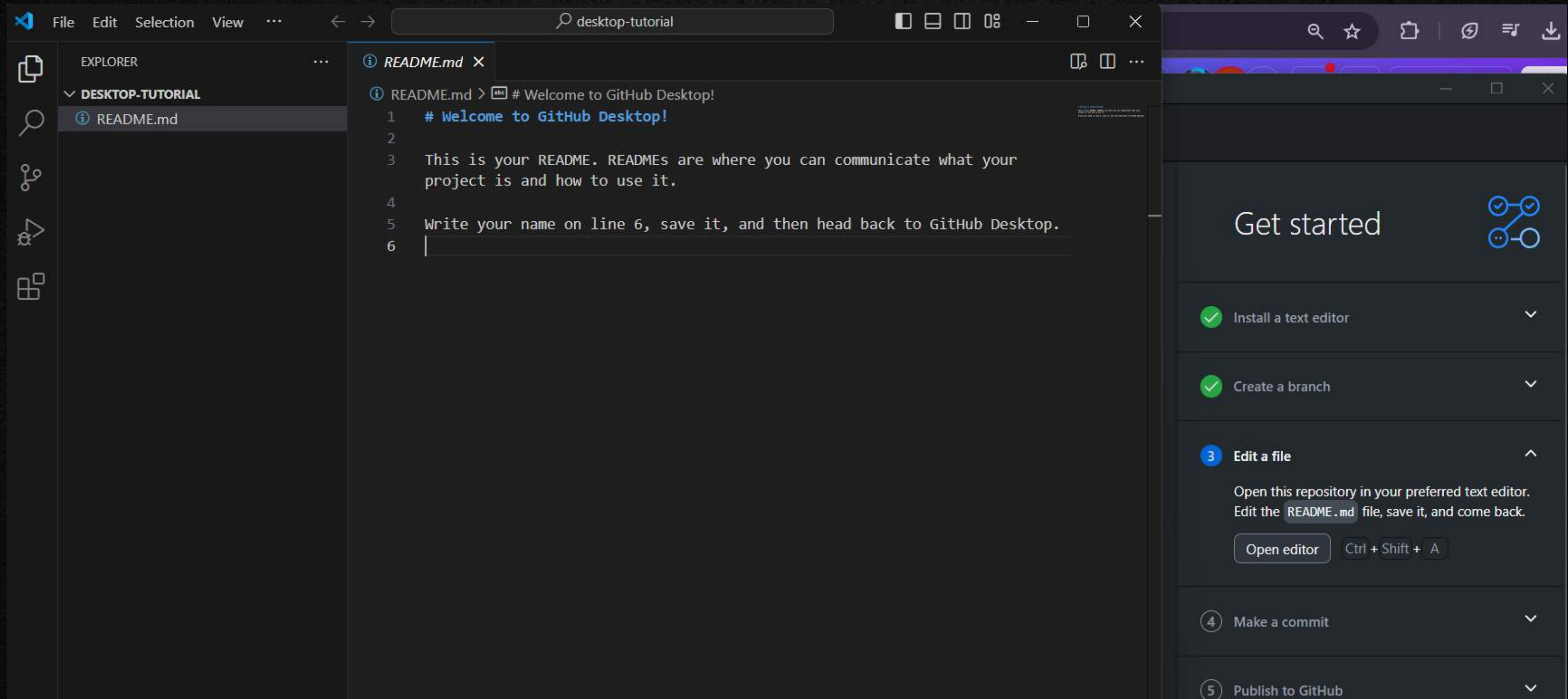
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PROGRAM INSTALLATION



The image shows a side-by-side comparison of a code editor and a web browser. On the left, the Visual Studio Code (VS Code) interface is open with a project named 'desktop-tutorial'. The Explorer sidebar on the left shows the file structure with 'DESKTOP-TUTORIAL' expanded and 'README.md' selected. The main editor window displays the content of 'README.md', which includes a welcome message and instructions to edit the file. On the right, a web browser window displays the 'Get started' page for GitHub Desktop. The page lists five steps: 1. Install a text editor (checked), 2. Create a branch (checked), 3. Edit a file (active), 4. Make a commit, and 5. Publish to GitHub. Step 3 includes a description and a button to 'Open editor' with the keyboard shortcut 'Ctrl + Shift + A'.

VS Code Explorer:

- EXPLORER
- DESKTOP-TUTORIAL
 - README.md

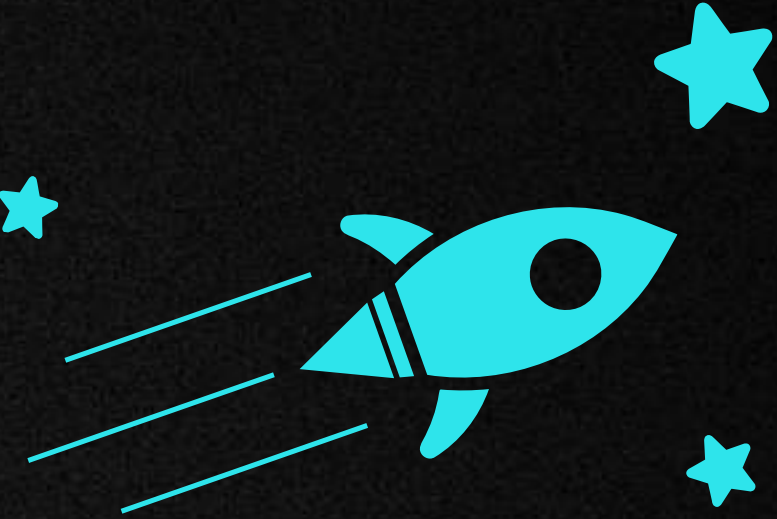
VS Code Editor (README.md):

```
1 # Welcome to GitHub Desktop!
2
3 This is your README. READMEs are where you can communicate what your
  project is and how to use it.
4
5 Write your name on line 6, save it, and then head back to GitHub Desktop.
6 |
```

Web Browser (Get started):

- 1 ☒ Install a text editor
- 2 ☒ Create a branch
- 3 ☒ Edit a file
 - Open this repository in your preferred text editor. Edit the `README.md` file, save it, and come back.
 - Open editor `Ctrl + Shift + A`
- 4 ☐ Make a commit
- 5 ☐ Publish to GitHub

PROGRAM INSTALLATION



FileEditViewRepositoryBranchHelp

Current repository
desktop-tutorial

Current branch
TUTORIAL

Fetch origin
Last fetched 3 minutes ago

Changes1History

1 changed file

README.md

README.md

↑

@@ -3,3 +3,4 @@

33This is your README. READMEs are where you can communicate what your project is and how to use it.

44

55Write your name on line 6, save it, and then head back to GitHub Desktop.

✓6+ Danny Viver

Summary (required)

Description

Get started

✓Install a text editor

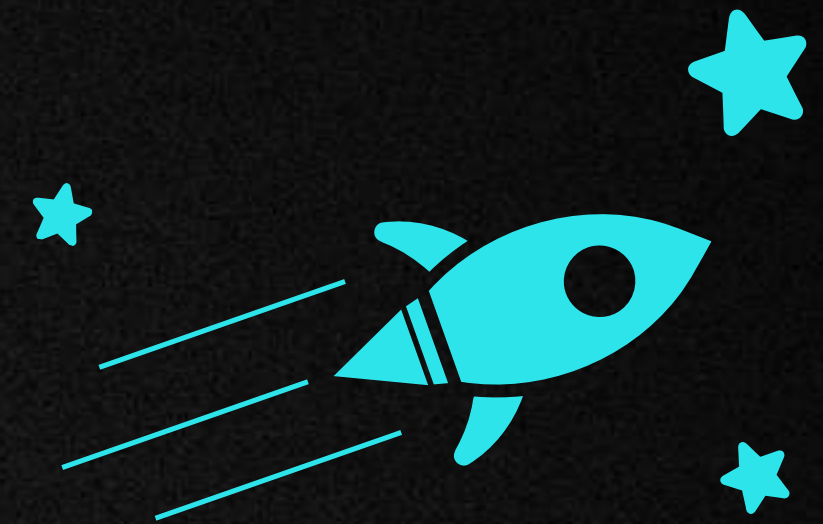
✓Create a branch

✓Edit a file

4Make a commit

A commit allows you to save sets of changes. In the “summary” field in the bottom left, write a short message that describes the changes you made. When you’re done, click the blue Commit button to finish.

PROGRAM INSTALLATION



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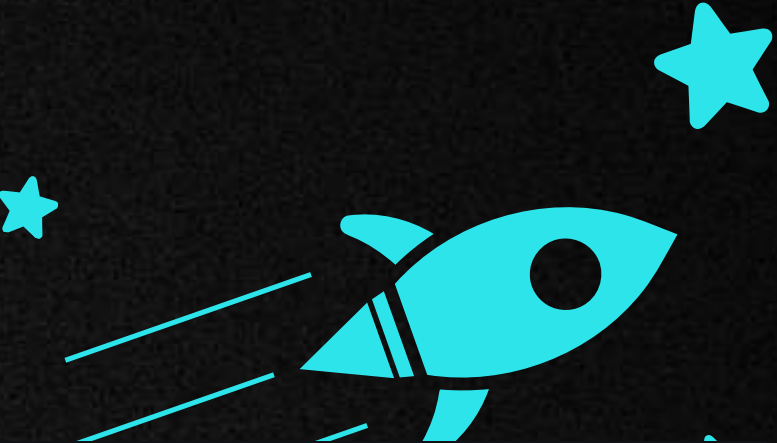
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PROGRAM INSTALLATION



BERSERKER-DV

Overview

Repositories1

Projects

Packages

Stars

Find a repository...

desktop-tutorial

Type

Sort

New

desktop-tutorial

Private

GitHub Desktop tutorial repository

Updated 5 minutes ago

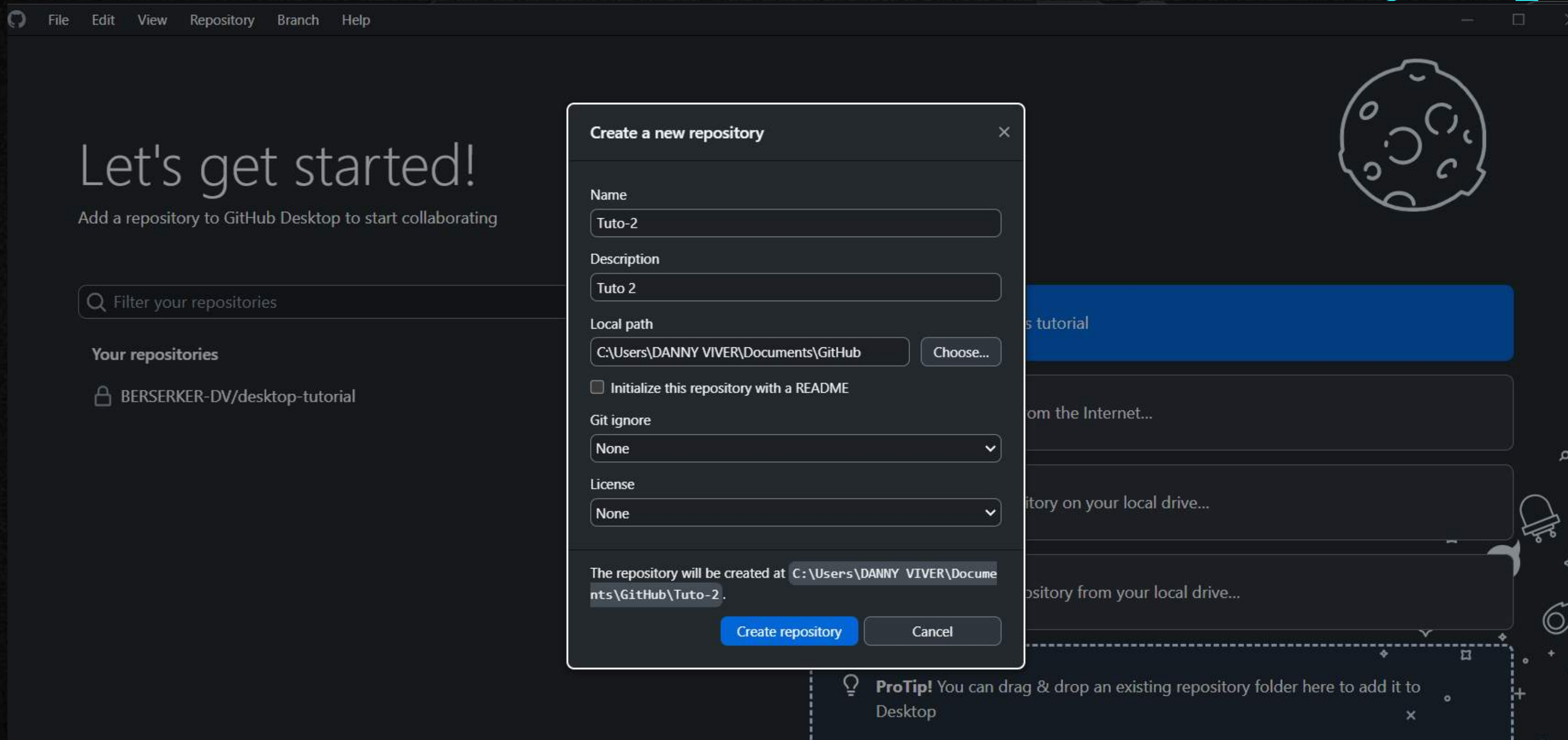
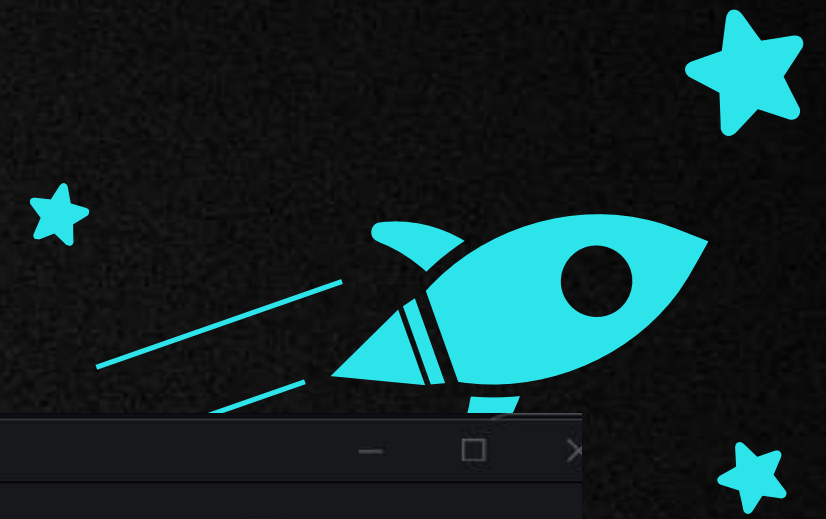
Star

BERSERKER-DV

Edit profile

Joined 39 minutes ago

PROGRAM INSTALLATION



BIBLIOGRAPHY

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