

Arduino



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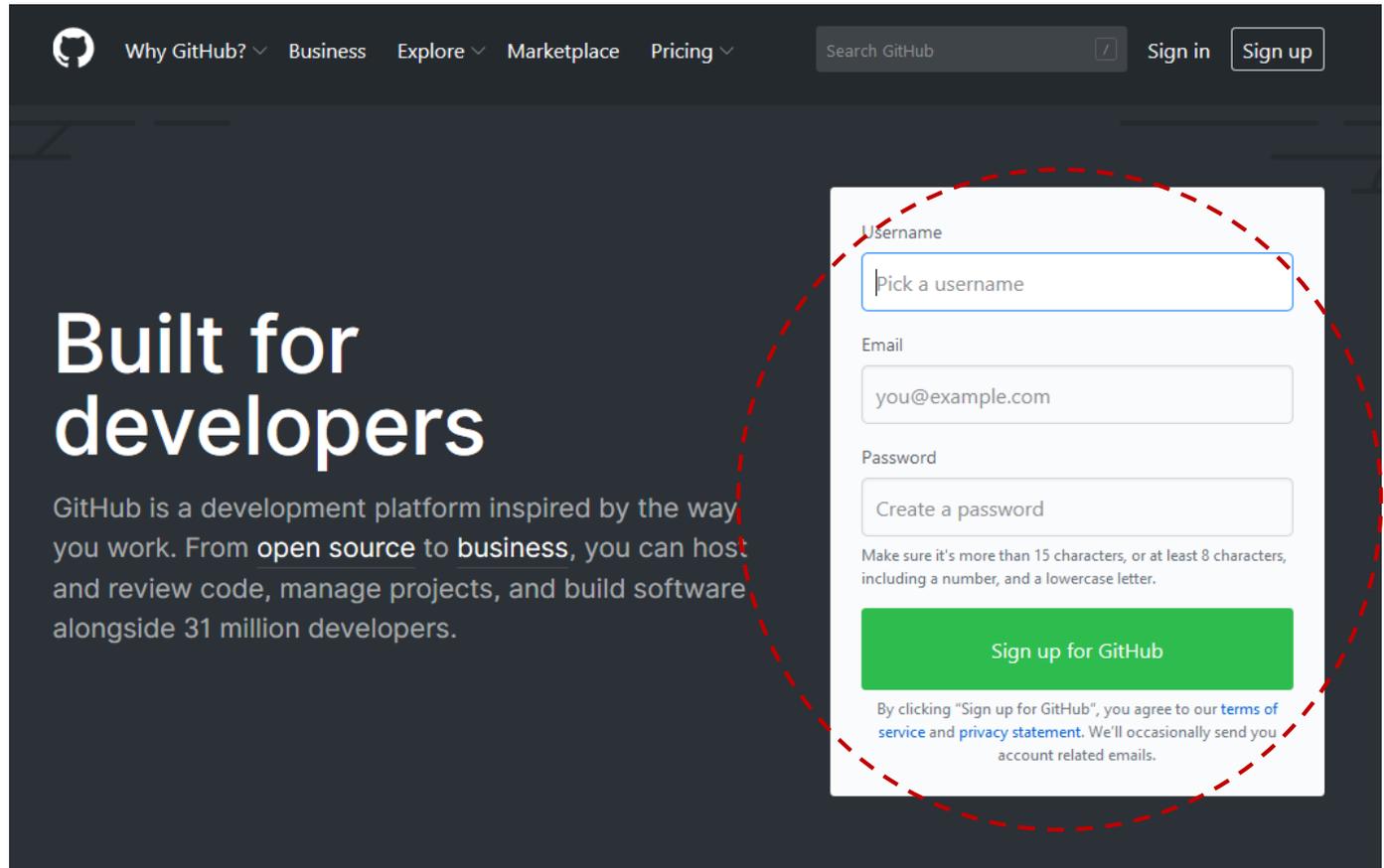
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Comment développer votre projet

1. Pourquoi un Github ?
2. Créer votre Github
3. Créer votre repository
4. Utilisation des .md
5. Utilisation du repository

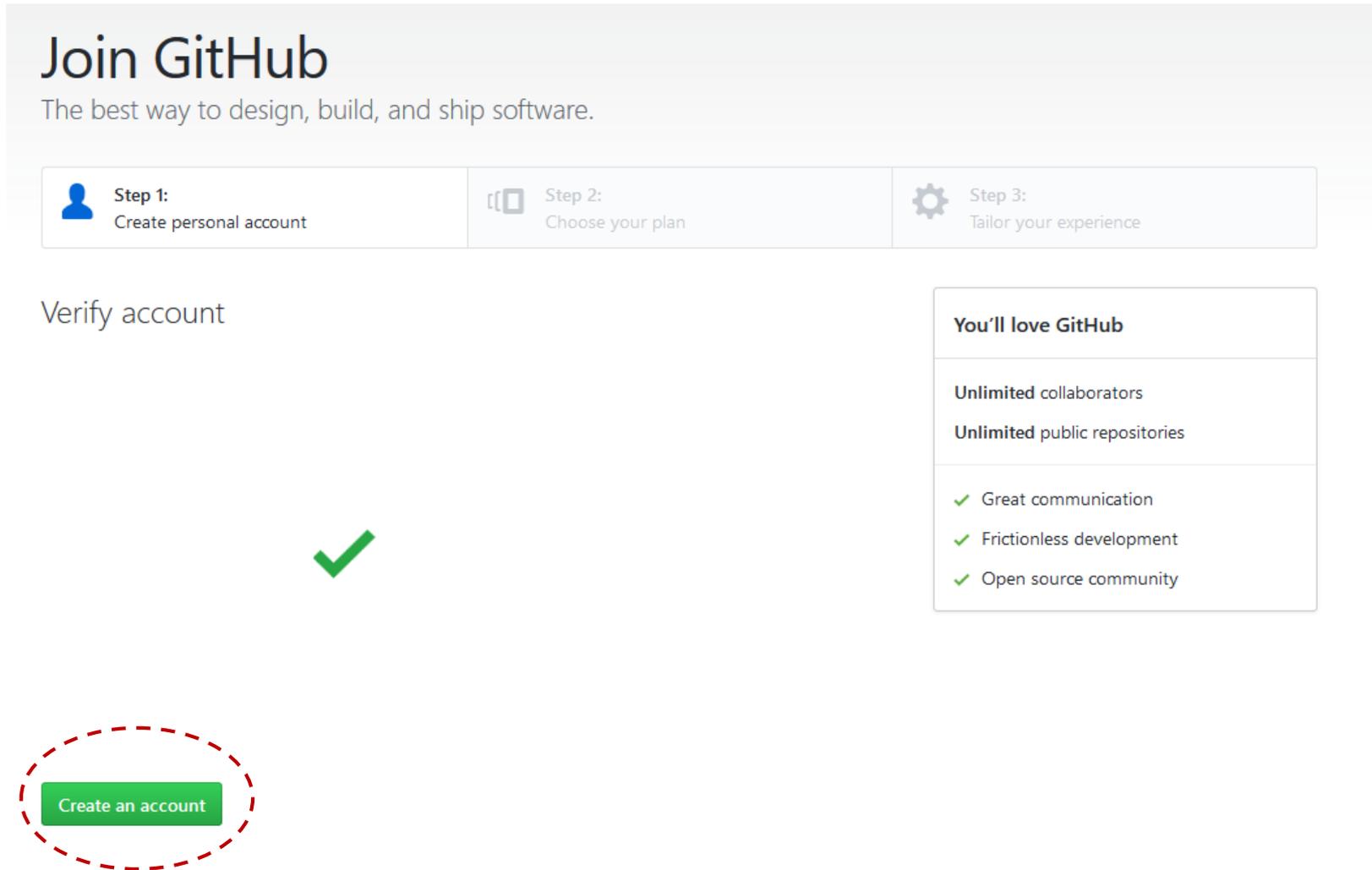
- Cela permet aux étudiants de structurer le développement et la progression du projet
- Cela permet aux enseignants de mieux suivre votre projet
- Le site peut être référencé sur votre CV quand vous indiquez votre projet
- Vous pouvez consulter facilement les sujets passés, et vos futurs collègues pourront aussi facilement s'inspirer de vos projets

- Aller sur le site : <https://github.com/>
- Choisir un « username » indiquer l'email d'un des membre du groupe et choisir un mot de passe



The screenshot shows the GitHub sign-up page. The main heading is "Built for developers". Below it, a paragraph states: "GitHub is a development platform inspired by the way you work. From open source to business, you can host and review code, manage projects, and build software alongside 31 million developers." On the right side, there is a sign-up form with the following fields: "Username" (with a placeholder "Pick a username"), "Email" (with a placeholder "you@example.com"), and "Password" (with a placeholder "Create a password"). Below the password field, there is a note: "Make sure it's more than 15 characters, or at least 8 characters, including a number, and a lowercase letter." A green button labeled "Sign up for GitHub" is positioned below the form. At the bottom of the form, there is a disclaimer: "By clicking 'Sign up for GitHub', you agree to our [terms of service](#) and [privacy statement](#). We'll occasionally send you account related emails." A red dashed circle highlights the sign-up form area.

- Cliquer sur « Create an account »



Join GitHub

The best way to design, build, and ship software.

Step 1:
Create personal account

Step 2:
Choose your plan

Step 3:
Tailor your experience

Verify account

You'll love GitHub

- Unlimited collaborators
- Unlimited public repositories
- ✓ Great communication
- ✓ Frictionless development
- ✓ Open source community

Create an account

- Choisir « Free » puis « Continue »

Welcome to GitHub

You've taken your first step into a larger world, @Pascal-Masson

| | | |
|--|---|---|
|  Completed Set up a personal account |  Step 2: Choose your plan |  Step 3: Tailor your experience |
|--|---|---|

Choose your personal plan

Every plan comes with GitHub's most-loved features: Collaborative code review, issue tracking, the open source community, and the ability to join organizations.

| | |
|--|--|
|  Free |  Developer |
| \$0 per month | \$7 per month (view in EUR) |
| Includes: Personal account Unlimited public repositories Unlimited collaborators | Includes: Personal account Unlimited public repositories Unlimited private repositories Unlimited collaborators |
| There are millions of public projects on GitHub. Join one or start your own for free. | Free for students as part of the Student Developer Pack . |

Help me set up an organization next
Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.
[Learn more about organizations](#)

Send me updates on GitHub news, offers, and events
Unsubscribe anytime in your email preferences. [Learn more](#)



- Choisir des items qui vous correspondent puis « Submit »

Welcome to GitHub

You'll find endless opportunities to learn, code, and create, @Pascal-Masson

| | | |
|--|--|---|
|  Completed Set up a personal account |  Step 2: Choose your plan |  Step 3: Tailor your experience |
|--|--|---|

How would you describe your level of programming experience?

Totally new to programming Somewhat experienced Very experienced

What do you plan to use GitHub for? (check all that apply)

Development School projects Research
 Project Management Design Other (please specify)

Which is closest to how you would describe yourself?

I'm a professional I'm a student I'm a hobbyist
 Other (please specify)

What are you interested in?

e.g. tutorials, android, ruby, web-development, machine-learning, open-source

[skip this step](#)

- Vous allez recevoir un email et il faudra cliquer sur « Verify email address »



Please verify your email address

Before you can contribute on GitHub, we need you to verify your email address.
An email containing verification instructions was sent to **pascal.masson@unice.fr**.

Didn't get the email? [Resend verification email](#) or [change your email settings](#).

Almost done, **@Pascal-Masson!** To complete your GitHub sign up, we just need to verify your email address:
pascal.masson@unice.fr.



- Créer alors le « repository » de votre projet

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

[Read the guide](#) [Start a project](#)

Our new Terms of Service and Privacy Statement are in effect. X

Repositories [New repository](#)

You don't have any repositories yet!

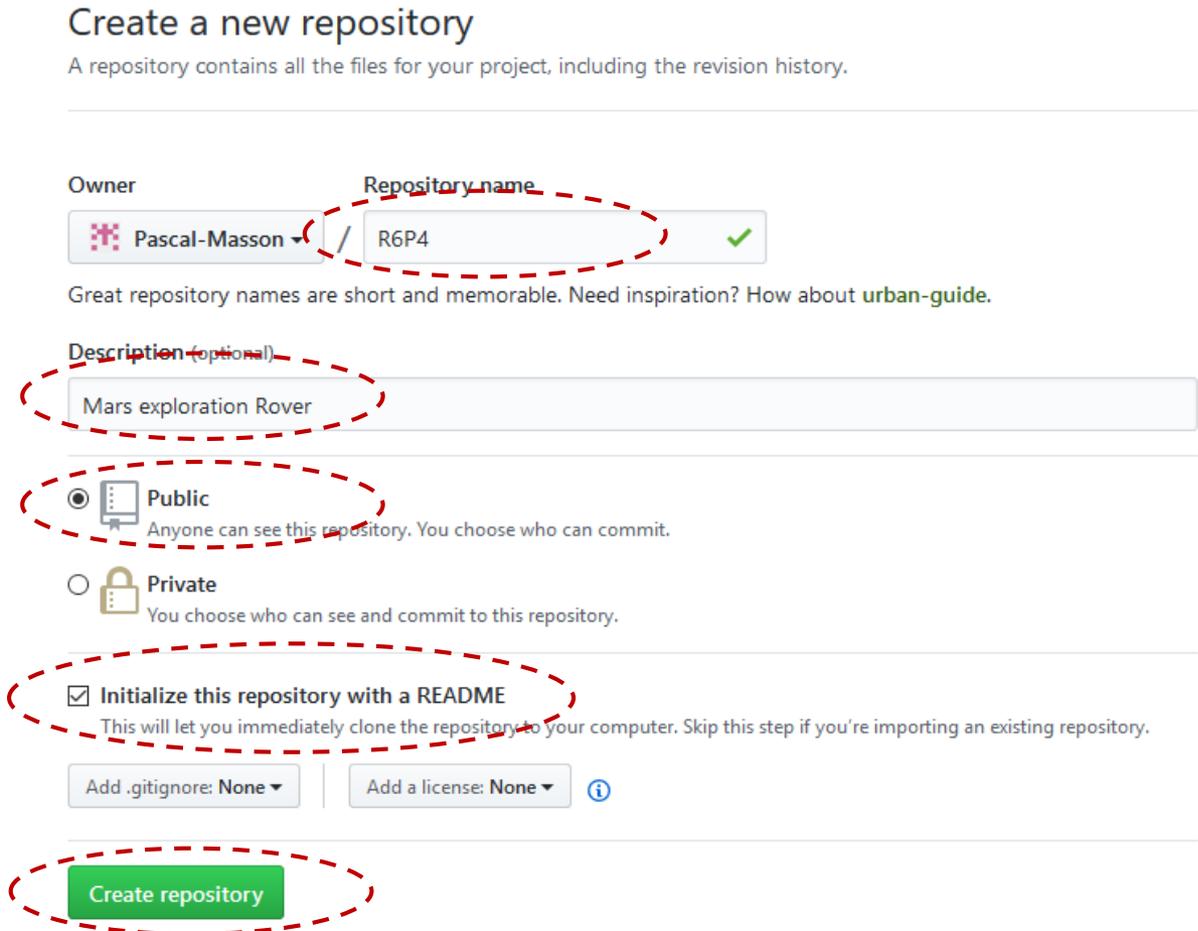
Browse activity [Discover repositories](#)

Discover interesting projects and people to populate your personal news feed.

Your news feed helps you keep up with recent activity on repositories you [watch](#) and people you [follow](#).

[Explore GitHub](#)

- Choisir son nom et donner une brève description
- Indiquer que le repository est « public » et créer un « readme »
- L'extension `.md` indique le formatage Markdown décrit plus loin



Create a new repository
A repository contains all the files for your project, including the revision history.

Owner: Pascal-Masson / Repository name: R6P4 ✓

Description (optional): Mars exploration Rover

Public
Anyone can see this repository. You choose who can commit.

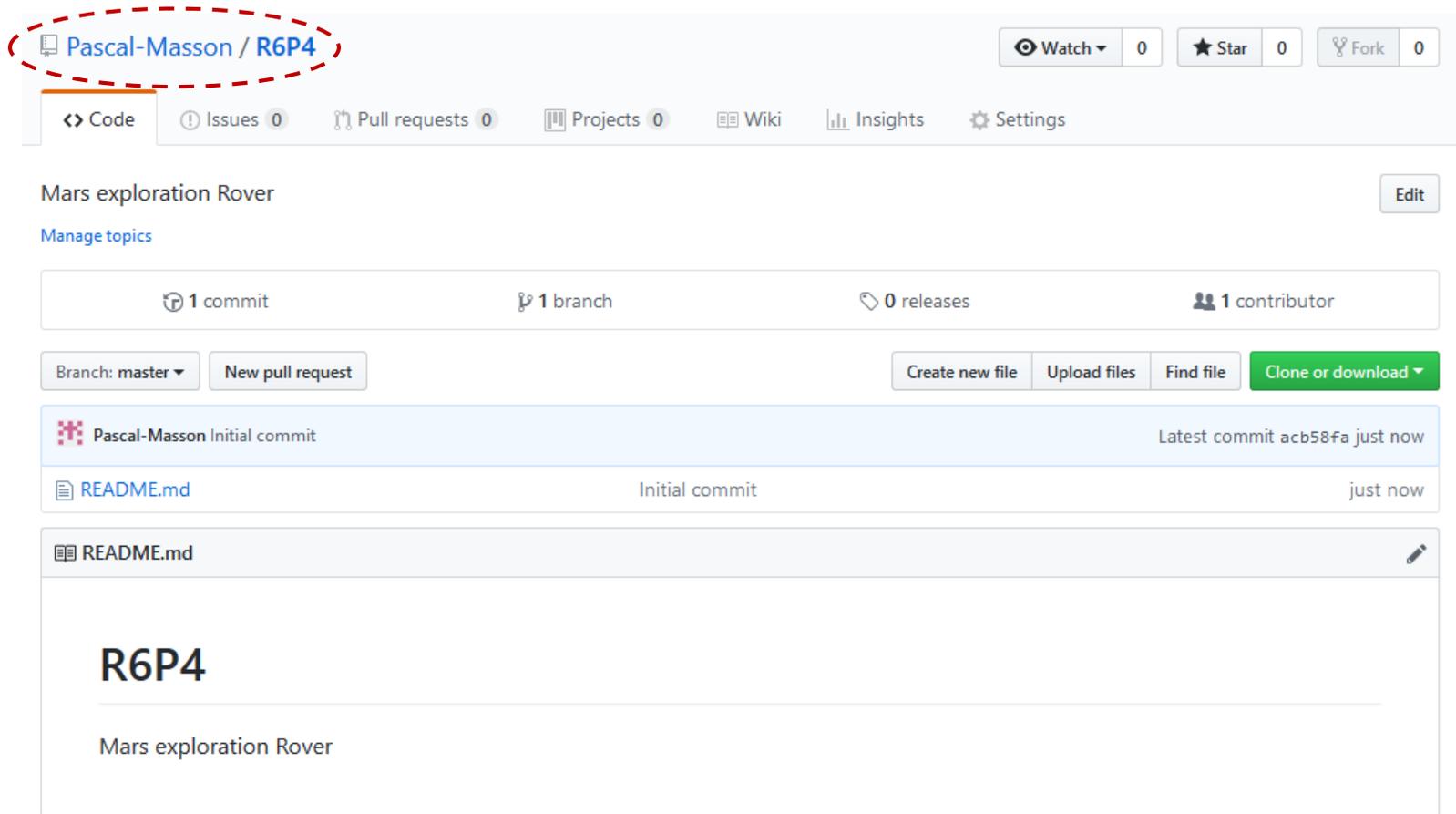
Private
You choose who can see and commit to this repository.

Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None | Add a license: None ⓘ

Create repository

- Le repository est à présent créé et vous pouvez commencer à l'utiliser

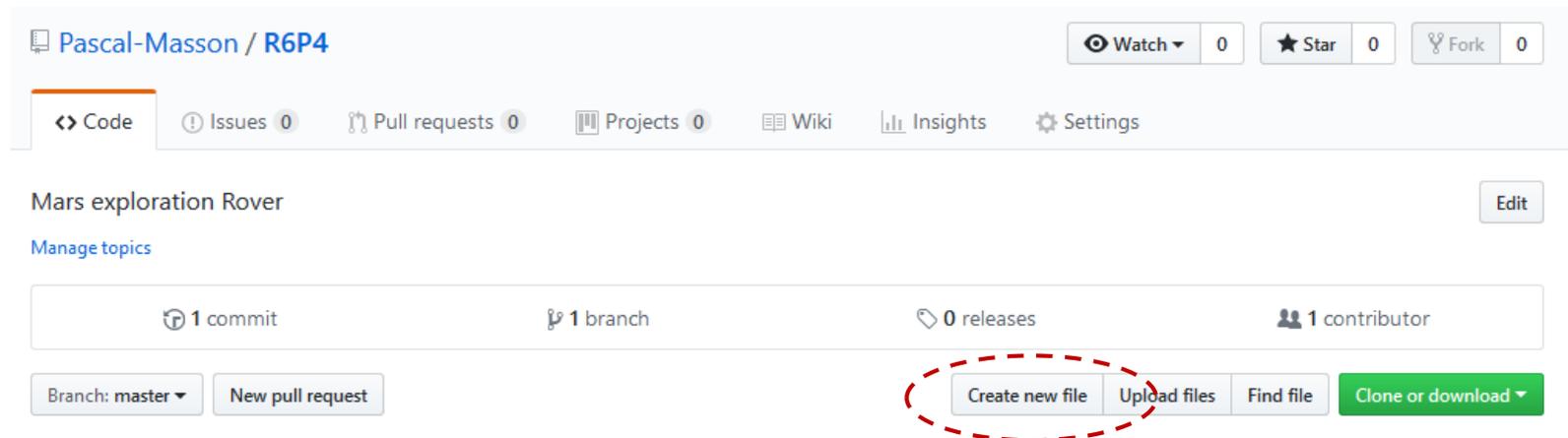


The screenshot shows the GitHub interface for a newly created repository named 'R6P4' by user 'Pascal-Masson'. The repository name and user are circled in red. The repository is titled 'Mars exploration Rover' and has 1 commit, 1 branch, 0 releases, and 1 contributor. The 'Code' tab is selected, showing the 'README.md' file content: 'R6P4' followed by 'Mars exploration Rover'. Navigation options include 'Code', 'Issues', 'Pull requests', 'Projects', 'Wiki', 'Insights', and 'Settings'. Action buttons include 'Watch', 'Star', 'Fork', 'Clone or download', 'New pull request', 'Create new file', 'Upload files', and 'Find file'.

- Github utilise pour la documentation le fichier Markdown (.md) qui est un système de publication et de formatage de texte minimaliste.
- Vous pouvez trouver des informations sur la rédaction en Markdown sur ce lien :

blog.wax-o.com/2014/04/tutoriel-un-guide-pour-bien-commencer-avec-markdown

- Pour organiser votre repository, il est fortement conseillé de créer des répertoires et sous répertoires
- Pour cela, sélectionner l'icone « Create new file »



Pascal-Masson / R6P4

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

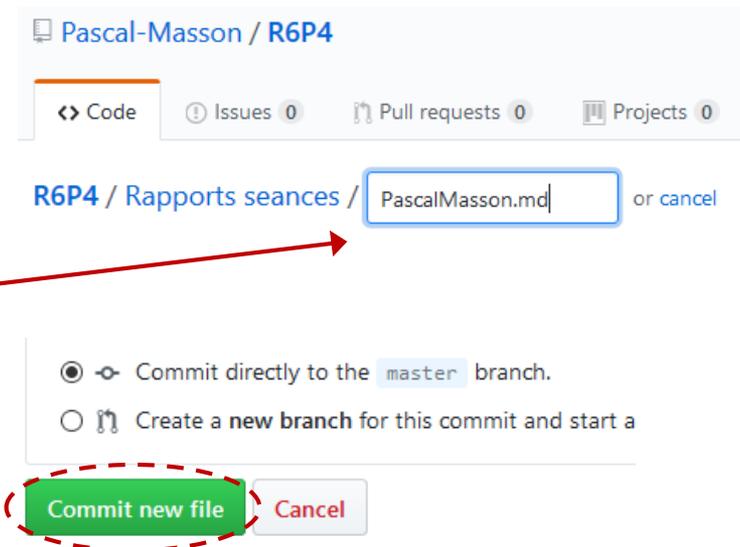
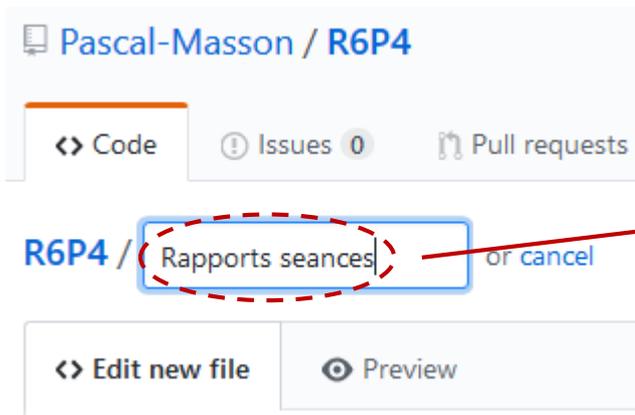
Mars exploration Rover Edit

Manage topics

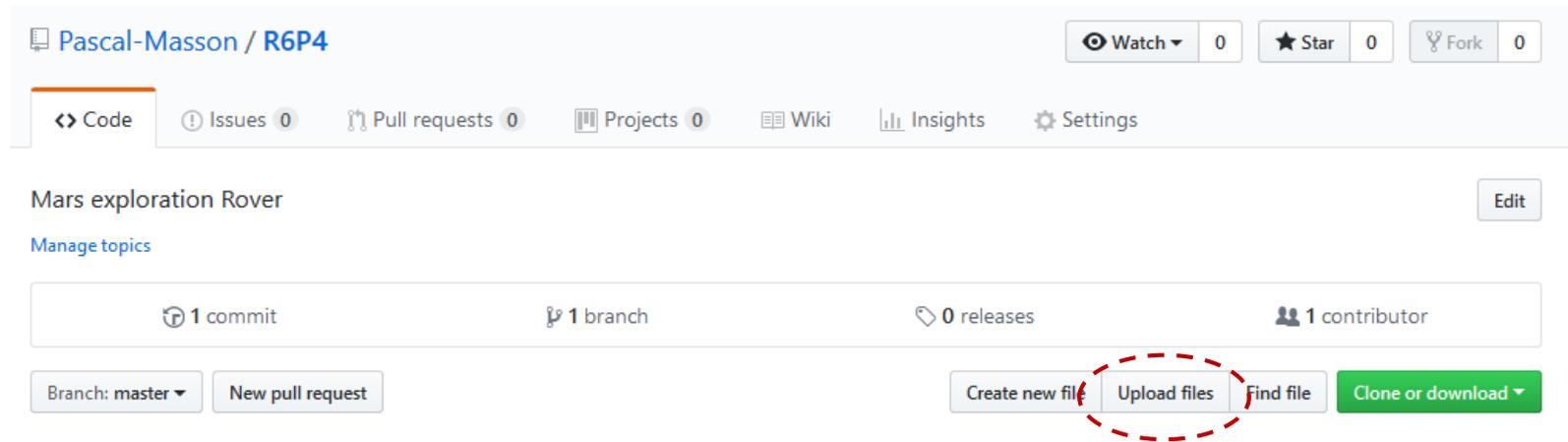
1 commit 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

- Pour organiser votre repository, il est fortement conseillé de créer des répertoires et sous répertoires
- Pour cela, sélectionner l'icone « Create new file »
- En écrivant « Rapports seances/ » le logiciel comprend que vous souhaitez créer un répertoire et génère l'arborescence
- Reste à créer un .md comme par exemple un « readme » pour expliquer ce que contient le répertoire ou le fichier qui contient vos rapports de séances
- Cliquer sur l'icone « Commit new file »



- Vous pouvez aussi télécharger des fichiers comme par exemples vos programmes arduino



- Un grand nombre d'exemples est disponible ici :

<http://www.sofiahub.unice.fr/arduino-projet-2017-2018/>

- On peut en particulier regarder ce projet :

https://github.com/LeoDeLaFuente/Slam_Arduino_Bot