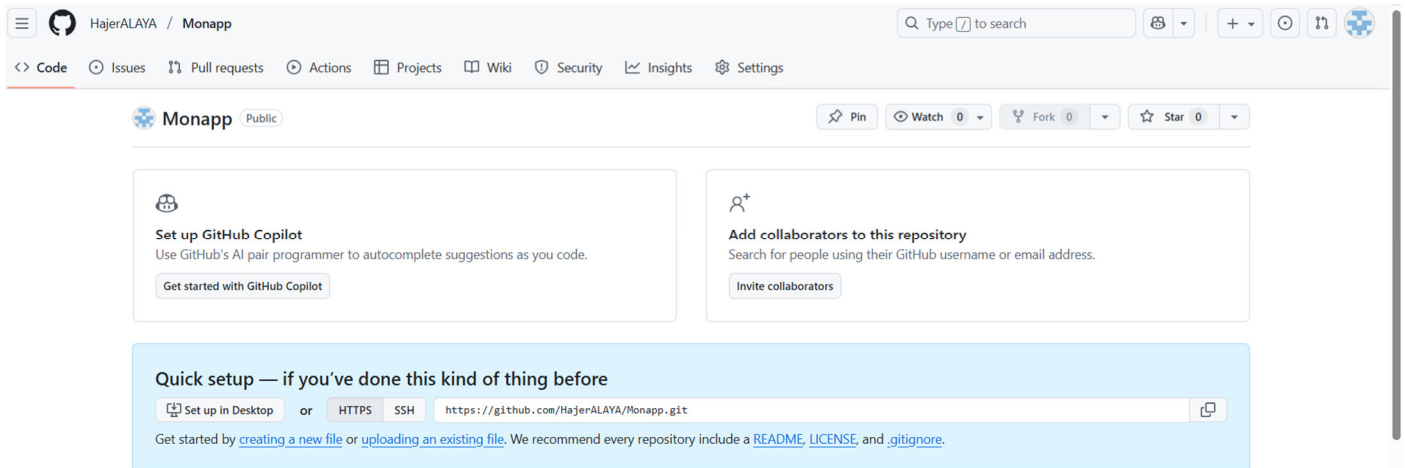


Guide de l'utilisation de Git et Github pour une application Web PHP

1. Vérifier que vous avez installé Git

Vérifier que vous avez un compte sous Github ou créer le

1. Create account at github.com
2. Create a new repository on GitHub Name "Monapp"



Exemple : <https://github.com/HajerALAYA/Monapp.git>

2. Initialisé Git Repository

Navigate to Your Project

bash

Il faut que vous ayez déjà exécuté le tp1 et vous avez déployé l'app monapp sous xampp

Sous git bash taper la commande

```
cd C:\xampp\htdocs\monapp
```

Initialize Git

Sous git bash taper les commandes
bash

```
git init
```

```
git add .
```

```
git commit -m "Initial commit"
```

3. Connect to GitHub Repository

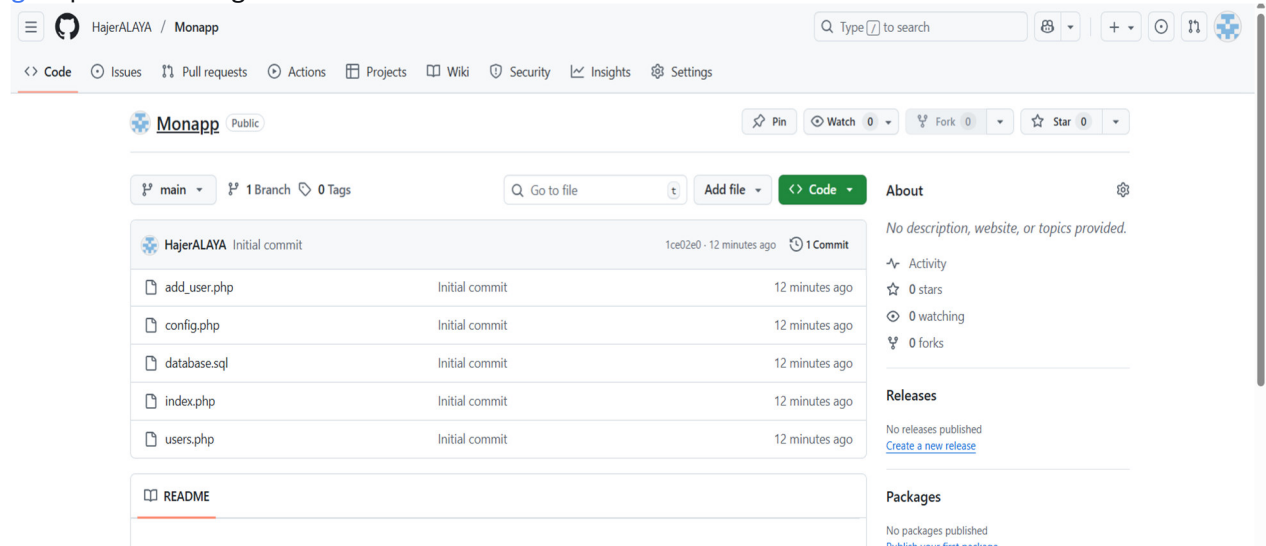
Link Local Repository to GitHub

bash

```
git remote add origin https://github.com/HajerALAYA/Monapp.git
```

```
git branch -M main
```

```
git push -u origin main
```



4. Daily Workflow

Making Changes

1. **Pull latest changes** (if working in team):

bash

```
git pull origin main
```

2. **Make your changes** to PHP/HTML/CSS/JS files in XAMPP

Changer par exemple le fichier add_user.php

3. **Check status** of changes:

bash

```
git status
```

```
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   add_user.php

no changes added to commit (use "git add" and/or "git commit -a")
(base)
```

4. Add specific files or all changes:

bash

Add specific file

```
git add filename.php
```

ou

Add all changes

```
git add .
```

ou

Add all PHP files only

```
git add *.php
```

Exemple :

```
DELL@HAJER-ALAYA MINGW64 /c/xampp/htdocs/monapp (main)
$ git add add_user.php
(base)
```

5. Commit changes:

bash

```
git commit -m "fichier add_user.php modifier"
```

```
DELL@HAJER-ALAYA MINGW64 /c/xampp/htdocs/monapp (main)
$ git commit -m "fichier add_user.php modifier"
[main eca9cd5] fichier add_user.php modifier
1 file changed, 1 insertion(+), 1 deletion(-)
(base)
```

6. Push to GitHub:

bash

```
git push origin main
```

The screenshot shows the GitHub interface for a repository named 'Monapp' owned by 'HajerALAYA'. The repository is public and has 0 stars, 0 forks, and 0 watchers. The main branch is 'main'. The commit history shows a recent commit 'fichier add_user.php modifier' by HajerALAYA, which includes changes to 'add_user.php', 'config.php', 'database.sql', 'index.php', and 'users.php'. The repository also has a README file.

Repository: HajerALAYA / Monapp

Search: Type to search

Navigation: <> Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings

Repository details: Monapp (Public), Pin, Watch 0, Fork 0, Star 0

Branches: main (1 Branch), Tags (0 Tags)

Commit history:

Commit	Author	Message	Time
eca9cd5	HajerALAYA	fichier add_user.php modifier	2 minutes ago

Commit details for eca9cd5:

File	Commit	Time
add_user.php	fichier add_user.php modifier	2 minutes ago
config.php	Initial commit	26 minutes ago
database.sql	Initial commit	26 minutes ago
index.php	Initial commit	26 minutes ago
users.php	Initial commit	26 minutes ago

README

Activity: 0 stars, 0 watching, 0 forks

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

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

5. Important Git Commands for Development

View History

bash

```
git log
```

```
git log --oneline
```

Check Differences

bash

See what changed but not staged

```
git diff
```

See staged changes

```
git diff --staged
```

Undo Changes

bash

Discard changes in working directory

```
git checkout -- filename.php
```

Unstage a file




```
git reset HEAD filename.php
```

Reset to previous commit

```
git reset --hard HEAD^
```

6. .gitignore for XAMPP Projects

Le **.gitignore** est essentiel pour :

-  **Protéger** les données sensibles
- **Garder propre** le repository Git
-  **Adapter** aux spécificités XAMPP
-  **Optimiser** les performances de Git

> Ce PC > Disque local (C:) > xampp > htdocs > monapp				
<div> </div>				
Nom	Modifié le	Type	Taille	
add_user.php	26/10/2025 7:59 PM	Fichier PHP	2 Ko	
config.php	27/09/2025 8:52 PM	Fichier PHP	1 Ko	
database	27/09/2025 10:47 PM	SQL Text File	1 Ko	
index.php	27/09/2025 8:52 PM	Fichier PHP	1 Ko	
users.php	27/09/2025 8:52 PM	Fichier PHP	1 Ko	
.gitignore	26/10/2025 8:21 PM	txtfile	1 Ko	

Create `.gitignore` file in your project root use blocnote:

text

XAMPP specific

/xampp/

/htdocs/other-projects/

Log files

*.log

Environment files

.env

config.php

Temporary files

tmp/

temp/

Database files (if stored in project)

*.sql

*.mdb

OS files

.DS_Store

Thumbs.db

IDE files

.vscode/

.idea/

*.swp

*.sw0

7. Branching Workflow (Recommended)

Create Feature Branch

Feature Branch est une branche temporaire utilisée à des fins de développement ou de test.

bash

```
git checkout -b feature/new-feature
```

Work on Feature

bash

Make changes, then:

```
git add .
```

```
git commit -m "Add new feature"
```

Merge Back to Main

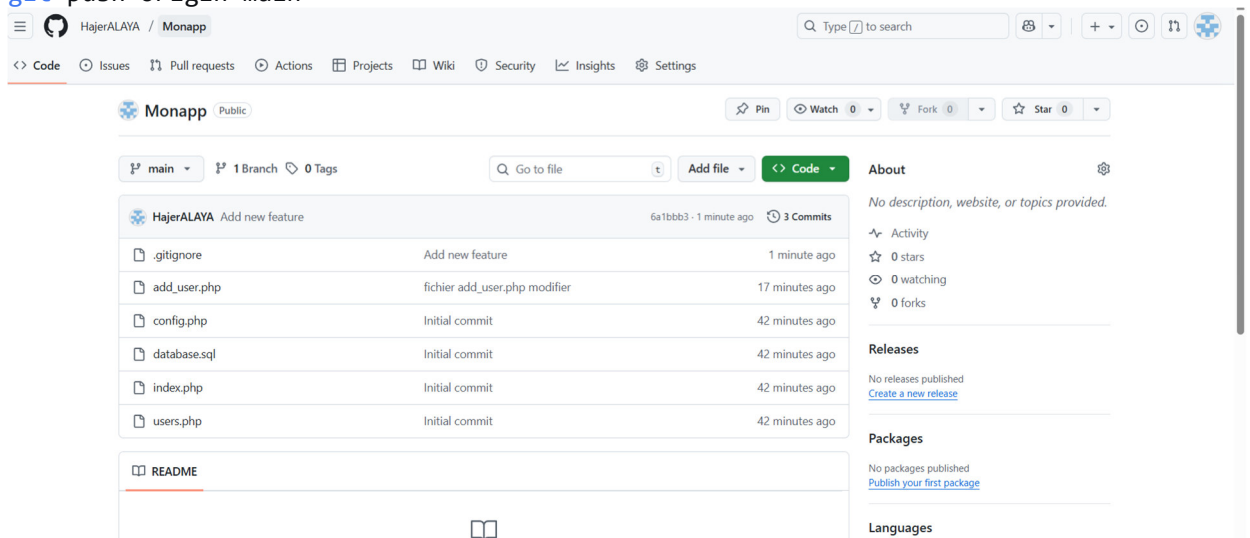
bash

```
git checkout main
```

```
git pull origin main
```

```
git merge feature/new-feature
```

```
git push origin main
```



Delete Feature Branch

bash

```
git branch -d feature/new-feature
```

8. Database Considerations

For Database Changes

Dans le cas ou il y a des changements au cours de développement au niveau de la base de données :

1. **Export database** from phpMyAdmin regularly
2. **Include SQL files** in version control if needed
3. **Or keep separate** and document schema changes in commits

Example workflow:

Ajouter par exemple une nouvelle table dans mysql puis prépare le fichier database_backup.sql et tester les commandes

```
bash
```

```
# Export database
```

```
mysqldump -u root -p your_database > database_backup.sql
```

```
# Add to git if needed
```

```
git add database_backup.sql
```

```
git commit -m "Update database schema"
```

9. Team Collaboration

Clone Existing Repository

```
bash
```

```
cd C:\xampp\htdocs\
```

```
git clone https://github.com/HajerALAYA/Monapp.git
```