

Uploading a Web Application to GitHub using Git Bash

Kareem Ashraff

December 24, 2023

1 Introduction

We've created a straightforward website comprising approximately six pages, and we've successfully uploaded it to GitHub using Git Bash commands.

2 Tools and Technologies Used

We utilized Visual Studio Code to construct the website and employed Git Bash command line to upload the project onto GitHub.

3 Setting up Git Bash

We downloaded Git Bash from <https://git-scm.com/> and completed all the necessary configurations to launch the program, successfully connecting it to our GitHub account.

4 Steps to Create a GitHub Repository

4.1 Sign in to GitHub

Ensure that you have a GitHub account. If not, sign up at <https://github.com/>.

4.2 Navigate to Your Dashboard

Once signed in, go to your GitHub dashboard by clicking on the GitHub logo or navigating to <https://github.com/>.

4.3 Create a New Repository

1. Click on the "+" icon in the top right corner.
2. Select "New repository" from the dropdown menu.

4.4 Fill in Repository Information

1. **Repository Name:** Enter a unique name for your repository.
2. **Description:** Provide a brief description of your web application.
3. **Visibility:** Choose either public or private.
4. **Initialize this repository with a README:** If your project doesn't have a README, check this option.
5. **Add .gitignore:** Choose a template for your project's .gitignore file.
6. **Add a license:** Choose an open source license.
7. Click the "Create repository" button.

4.5 Clone the Repository to Your Local Machine

1. Click on the green "Code" button on your repository's page.
2. Copy the HTTPS or SSH URL.
3. Open your Git Bash or terminal.
4. Navigate to the directory where you want to clone the repository.
5. Run the following command, replacing <repository-url> with the URL you copied:

```
git clone <repository-url>
```

4.6 Add Your Web Application Files

1. Copy your web application files into the local repository directory.
2. Use Git Bash to add, commit, and push these changes to your GitHub repository.

```
git add .  
git commit -m "Initial commit"  
git push origin master
```

4.7 Verify on GitHub

Go back to your GitHub repository page and refresh it. You should see your web application files in the repository.

5 Conclusion

Congratulations! You've successfully created a new GitHub repository for your web application. This repository serves as a centralized hub for collaboration, version control, and sharing your project with the community.

6 Team Members

- Kareem Ashraff
- Mohamed Ehab
- Mahmoud Ahmed
- Salwa Osama
- Abdelrahman Moursy