07/02/2023

FOUNDATIONS OF WEB DESIGN

CLASS 4

Multimedia in HTML Forms and GitHub Intro

https://dem-1323.github.io/foundations-of-web-design/

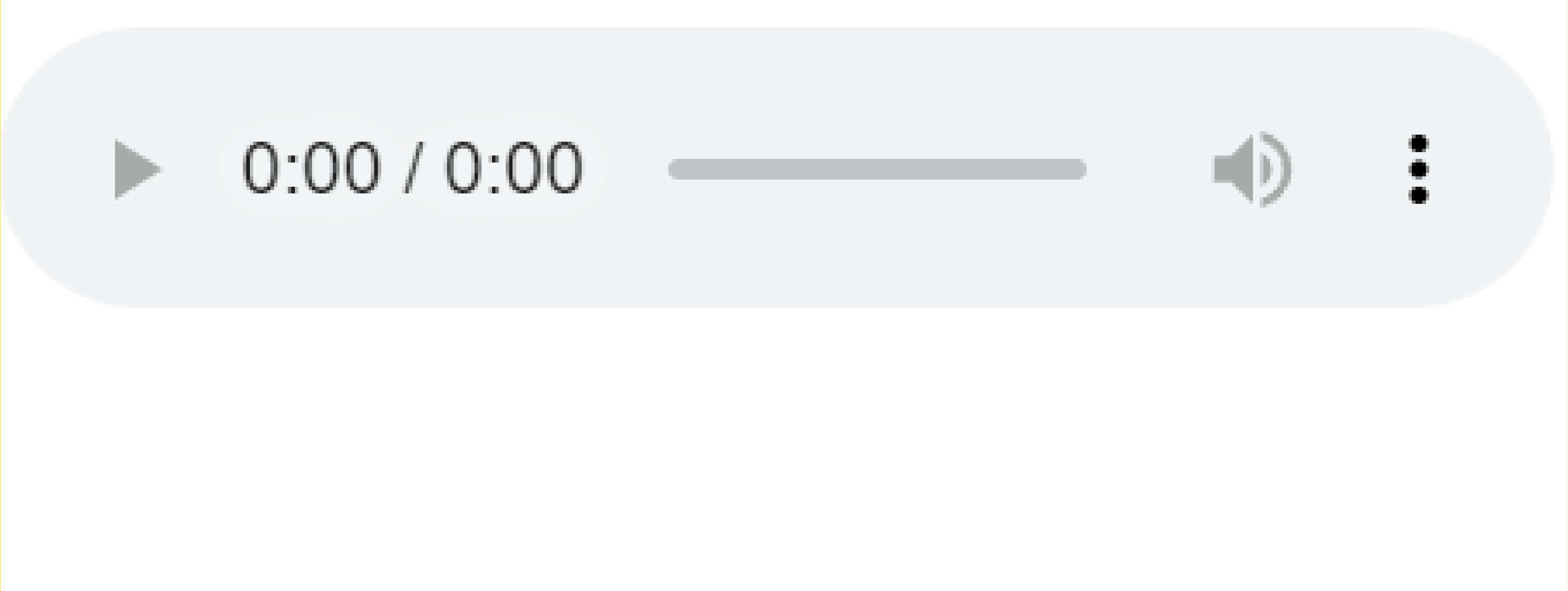
AUDIO TAG

<audio> Tag

- **adds an audio player**

Example:

```
<audio controls>
  <source src="audio.mp3"
type="audio/mpeg">
  Your browser does not support the
audio element.
</audio>
```



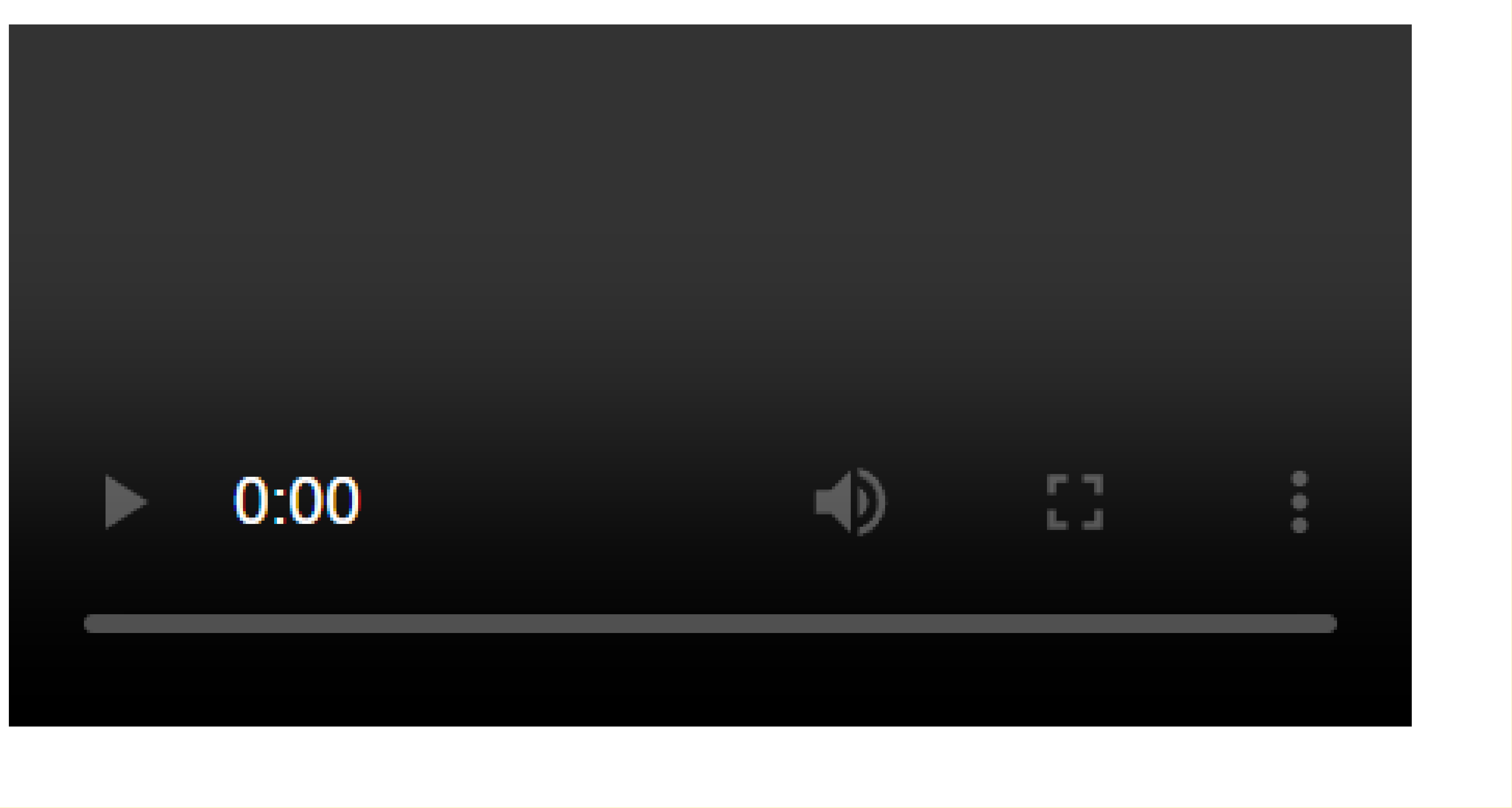
VIDEO TAG

<video> Tag

- **adds a video player**

Example:

```
<video controls>
  <source src="video.mp4"
type="video/mp4">
  Your browser does not support the
video element.
</video>
```



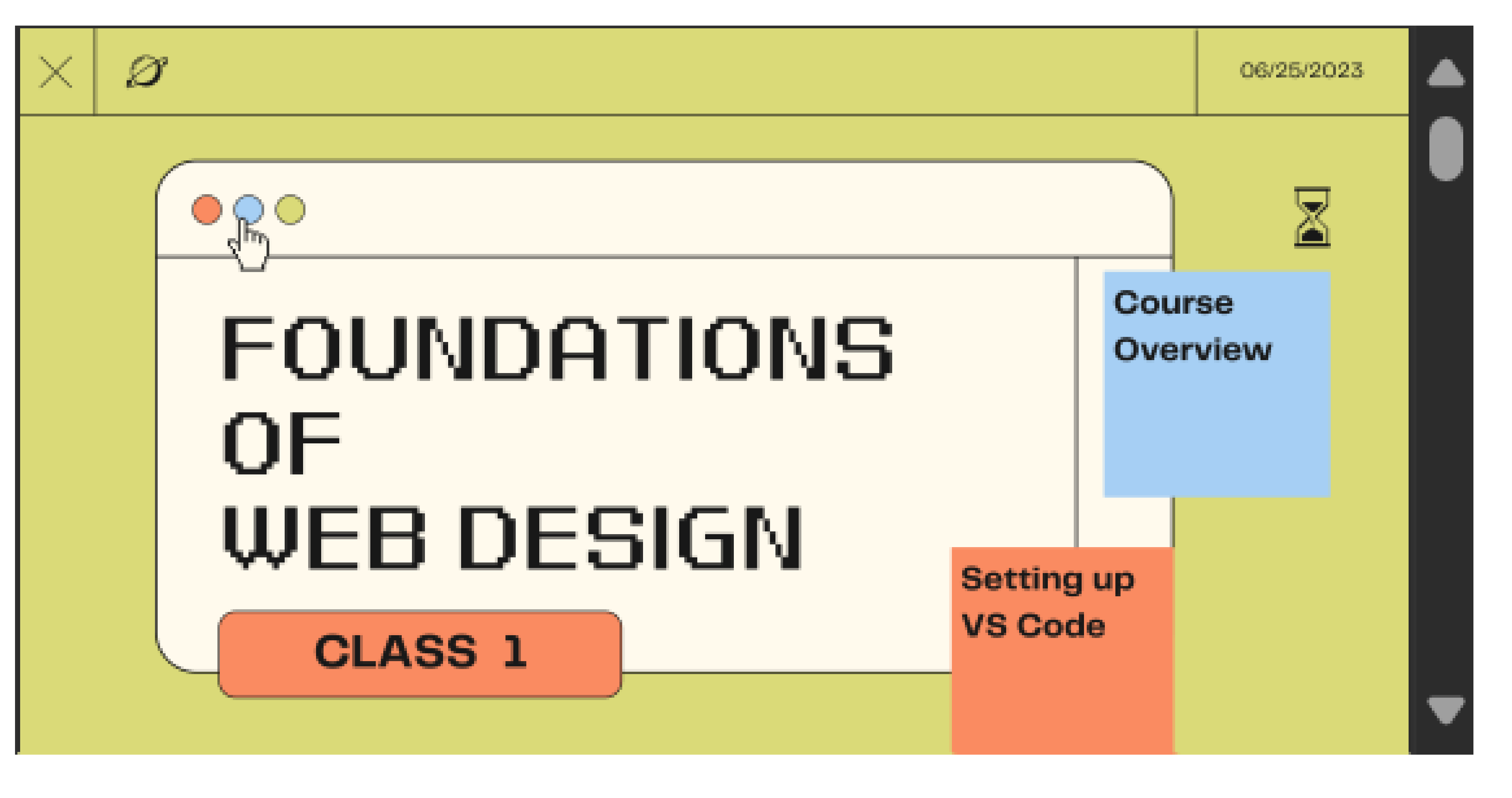
EMBED TAG

<embed> Tag

- **adds external content like PDFS**

Example:

```
<embed id="pdf-viewer"
src="./Class01.pdf"
type="application/pdf" />
```



06/25/2023

FOUNDATIONS OF WEB DESIGN

CLASS 1

Course Overview

Setting up VS Code

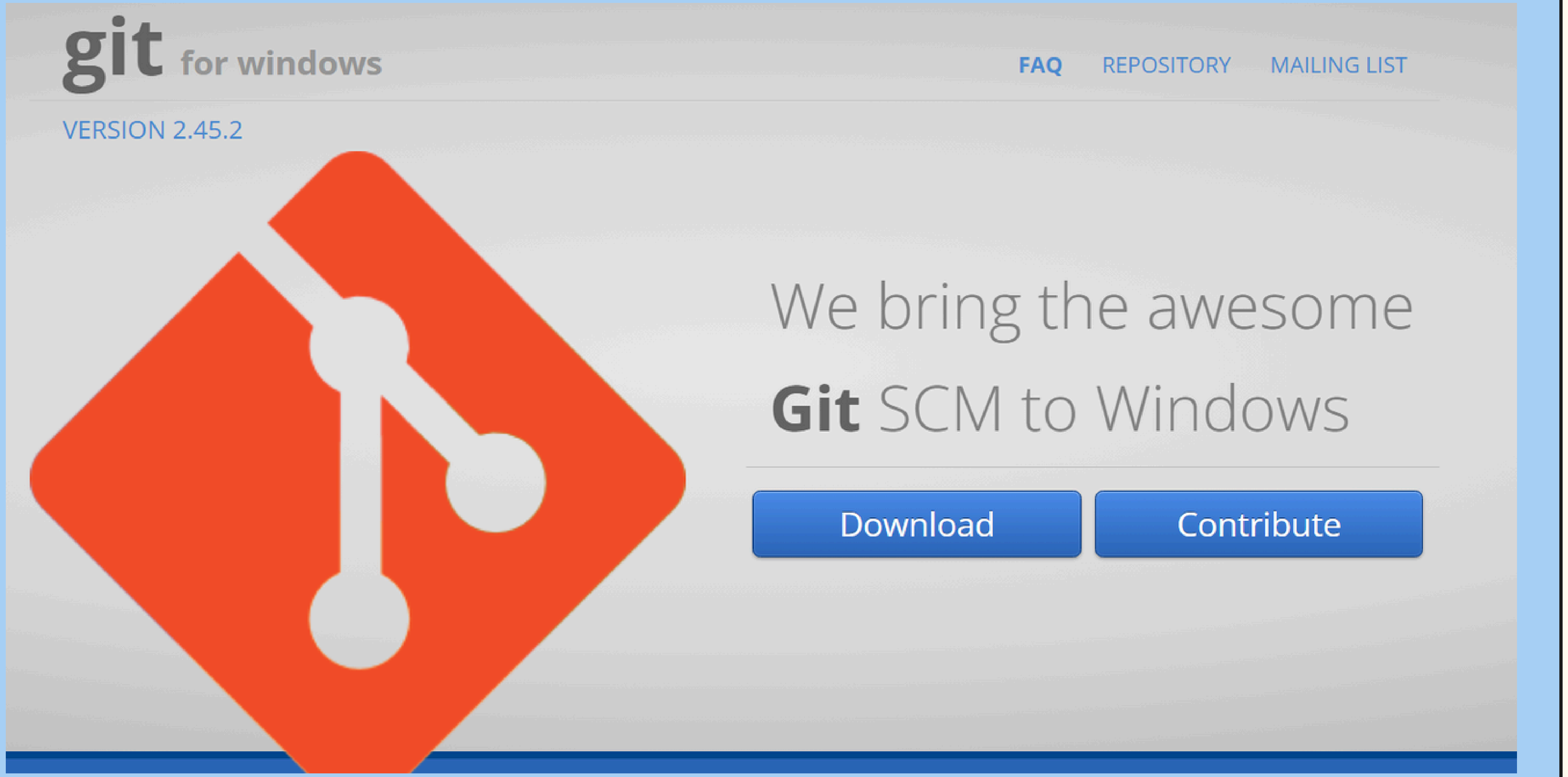
INSTALLING GIT

For Windows:

1. Go to Git for Windows and download the installer.
2. Run the installer and follow the instructions, accepting the default settings.

For Mac:

1. Open the Terminal application.
2. Type git --version to check if Git is already installed.
3. If not, install it using Homebrew: brew install git.



git for windows

VERSION 2.45.2

We bring the awesome Git SCM to Windows

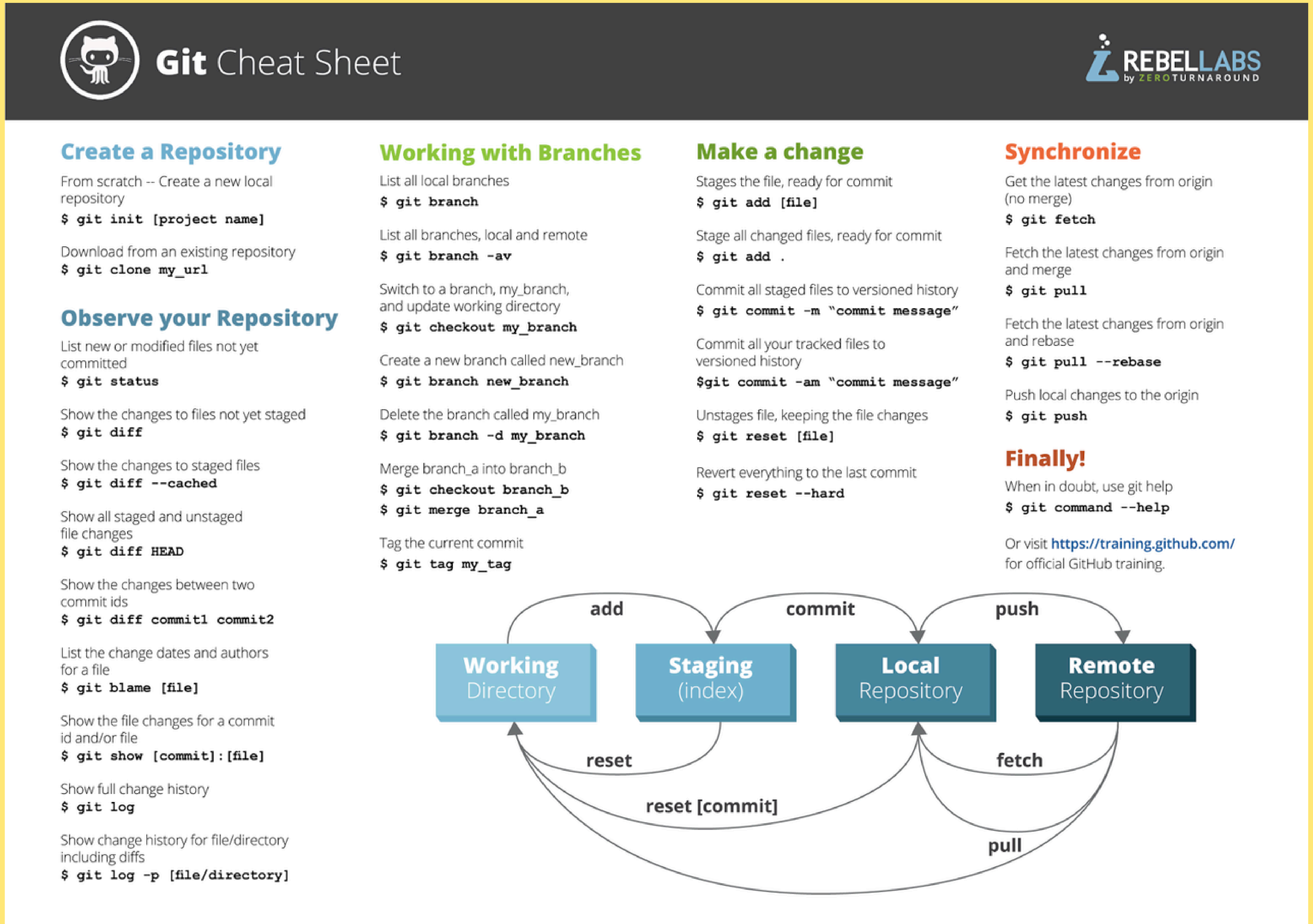
GIT COMMANDS

git Commands:

- **git init: Initialize a repository**
- **git add: Add files to staging**
- **git commit: Commit changes**
- **git push: Push changes to a remote repository**

Example:

```
git init
git add .
git commit –m "Initial commit"
git push origin main
```



Git Cheat Sheet

REBELLABS by ZEROTURNAROUND

Create a Repository

From scratch -- Create a new local repository

```
$ git init [project name]
```

Download from an existing repository

```
$ git clone my_url
```

Observe your Repository

List new or modified files not yet committed

```
$ git status
```

Show the changes to files not yet staged

```
$ git diff
```

Show the changes to staged files

```
$ git diff --cached
```

Show all staged and unstaged file changes

```
$ git diff HEAD
```

Show the changes between two commit ids

```
$ git diff commit1 commit2
```

List the change dates and authors for a file

```
$ git blame [file]
```

Show the file changes for a commit id and/or file

```
$ git show [commit]:[file]
```

Show full change history

```
$ git log
```

Show change history for file/directory including diffs

```
$ git log -p [file/directory]
```

Working with Branches

List all local branches

```
$ git branch
```

List all branches, local and remote

```
$ git branch -av
```

Switch to a branch, my_branch, and update working directory

```
$ git checkout my_branch
```

Create a new branch called new_branch

```
$ git branch new_branch
```

Delete the branch called my_branch

```
$ git branch -d my_branch
```

Merge branch_a into branch_b

```
$ git checkout branch_b
$ git merge branch_a
```

Tag the current commit

```
$ git tag my_tag
```

Make a change

Stages the file, ready for commit

```
$ git add [file]
```

Stage all changed files, ready for commit

```
$ git add .
```

Commit all staged files to versioned history

```
$ git commit -m "commit message"
```

Commit all your tracked files to versioned history

```
$git commit -am "commit message"
```

Unstages file, keeping the file changes

```
$ git reset [file]
```

Revert everything to the last commit

```
$ git reset --hard
```

Synchronize

Get the latest changes from origin (no merge)

```
$ git fetch
```

Fetch the latest changes from origin and merge

```
$ git pull
```

Fetch the latest changes from origin and rebase

```
$ git pull --rebase
```

Push local changes to the origin

```
$ git push
```

Finally!

When in doubt, use git help

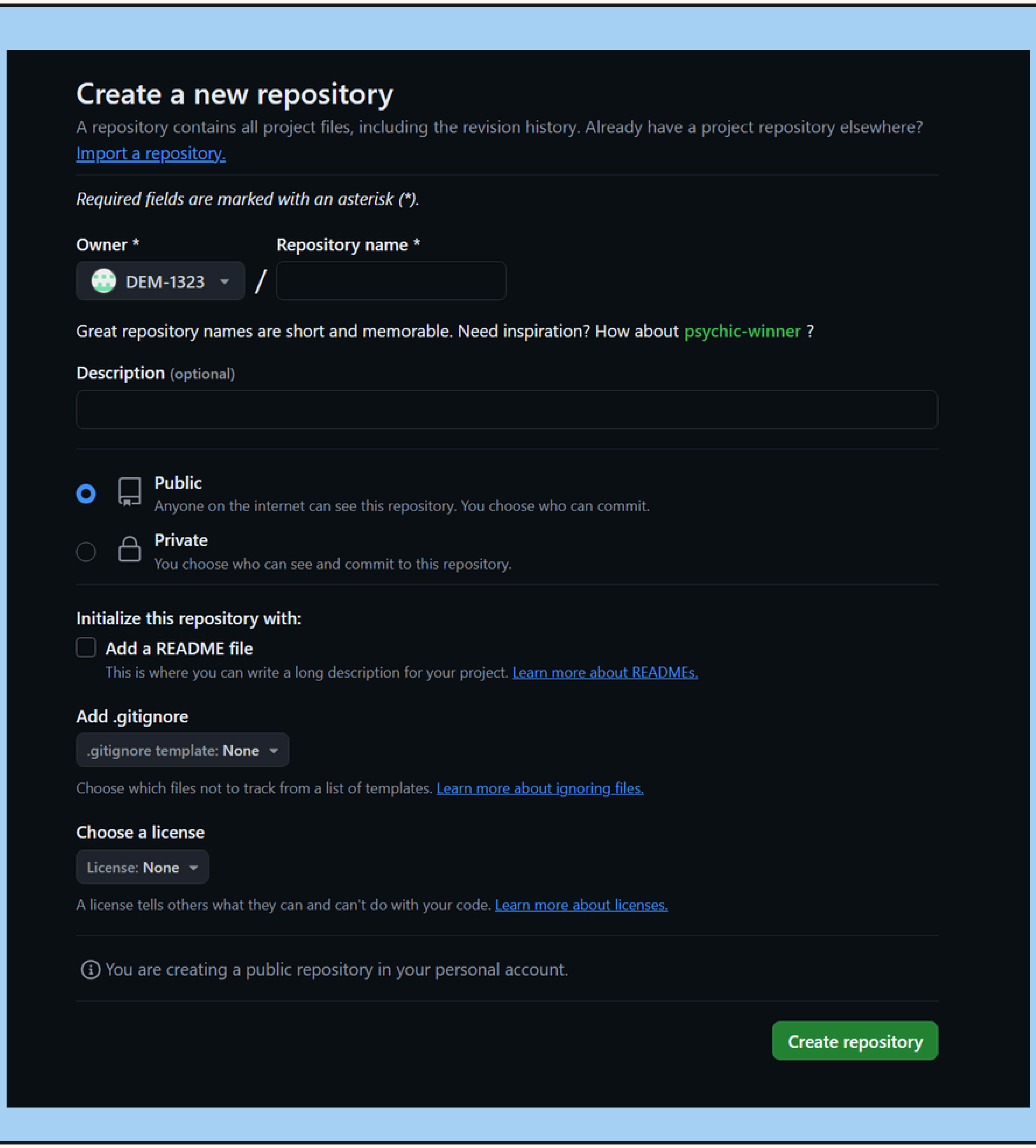
```
$ git command --help
```

Or visit https://training.github.com/ for official GitHub training.

CREATING A REPO ON GITHUB

Steps to create a repository:

1. **Sign in to GitHub**
2. **Click "New" to create a repository**
3. **Name your repository and set it to public or private**
4. **Click "Create repository"**



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 * DEM-1323 / Repository name *

Great repository names are short and memorable. Need inspiration? How about psychic-winner ?

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.

Add .gitignore

.gitignore template: None

Choose which files not to track from a list of templates. Learn more about ignoring files.

Choose a license

License: None

A license tells others what they can and can't do with your code. Learn more about licenses.

ⓘ You are creating a public repository in your personal account.

Create repository

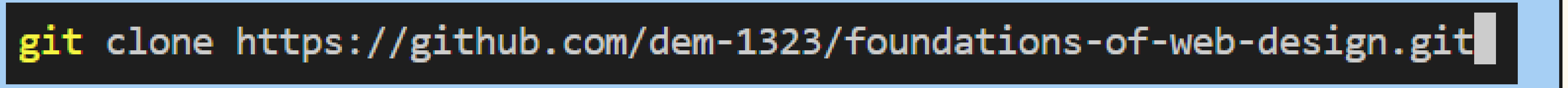
CLONING A REPO

Steps to clone a repository:

1. **Copy the repository URL**
2. **Use git clone command**

Example:

git clone https://github.com/username/repository.git



```
git clone https://github.com/dem-1323/foundations-of-web-design.git
```

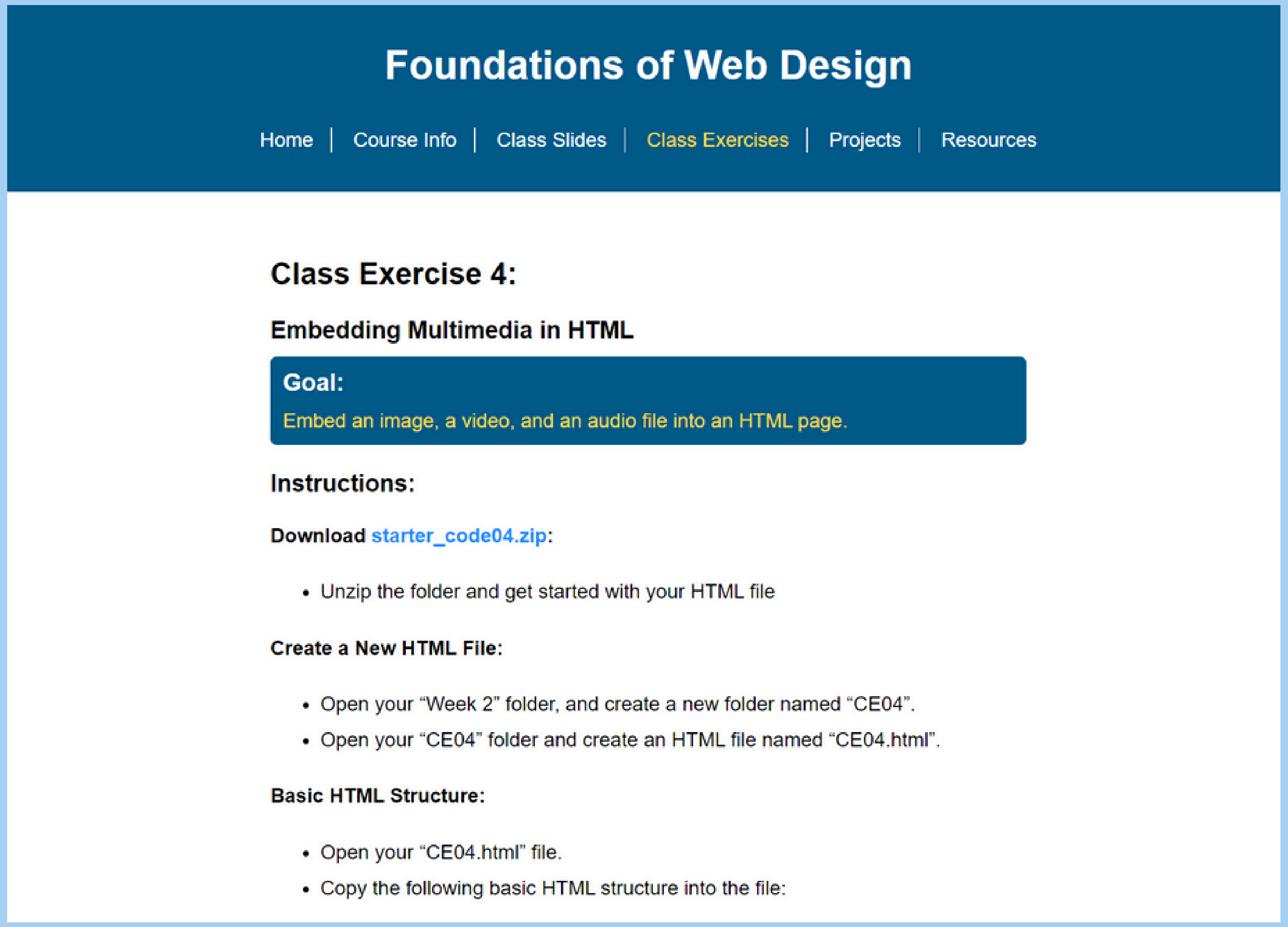
COMPLETE CLASS EXERCISE 4

GO TO COURSE WEBSITE:

- Click on Class Exercises
- Click **Class Exercise 4** in Week 2 Section

FOLLOW THE INSTRUCTIONS:

- **Download** starter_code.zip
- Unzip the folder and get started with your HTML file


Home | Course Info | Class Slides | Class Exercises | Projects | Resources

Foundations of Web Design

Class Exercise 4:

Embedding Multimedia in HTML

Goal:
Embed an image, a video, and an audio file into an HTML page.

Instructions:

Download starter_code04.zip:

- Unzip the folder and get started with your HTML file

Create a New HTML File:

- Open your “Week 2” folder, and create a new folder named “CE04”.
- Open your “CE04” folder and create an HTML file named “CE04.html”.

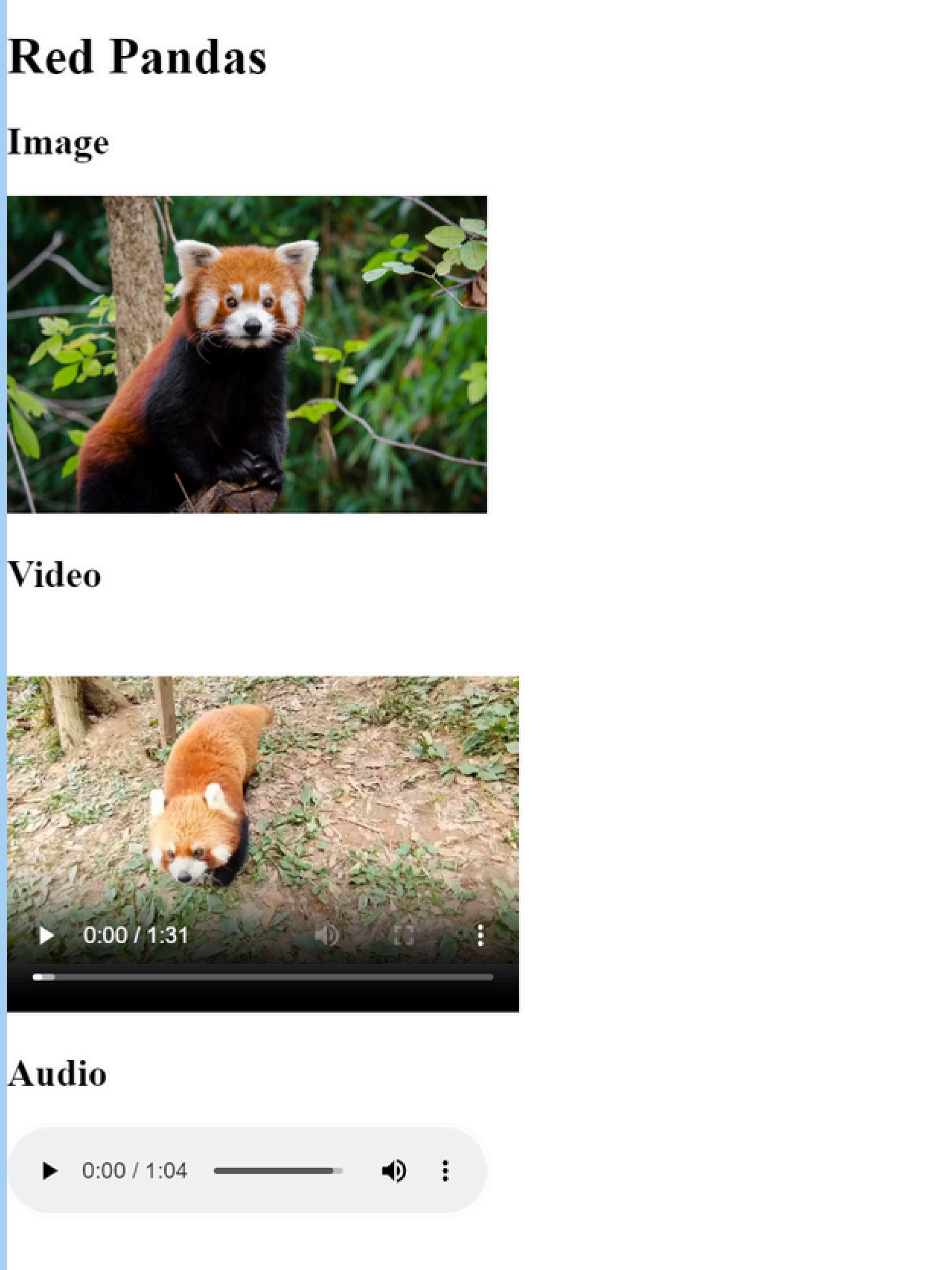
Basic HTML Structure:

- Open your “CE04.html” file.
- Copy the following basic HTML structure into the file:

COMPLETE CLASS EXERCISE 4 CONT.

EMBED A WEBPAGE WITH:

- An Image
- A Video
- An Audio File



Red Pandas

Image

Video

Audio