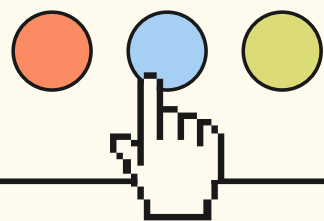




07/02/2023



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:

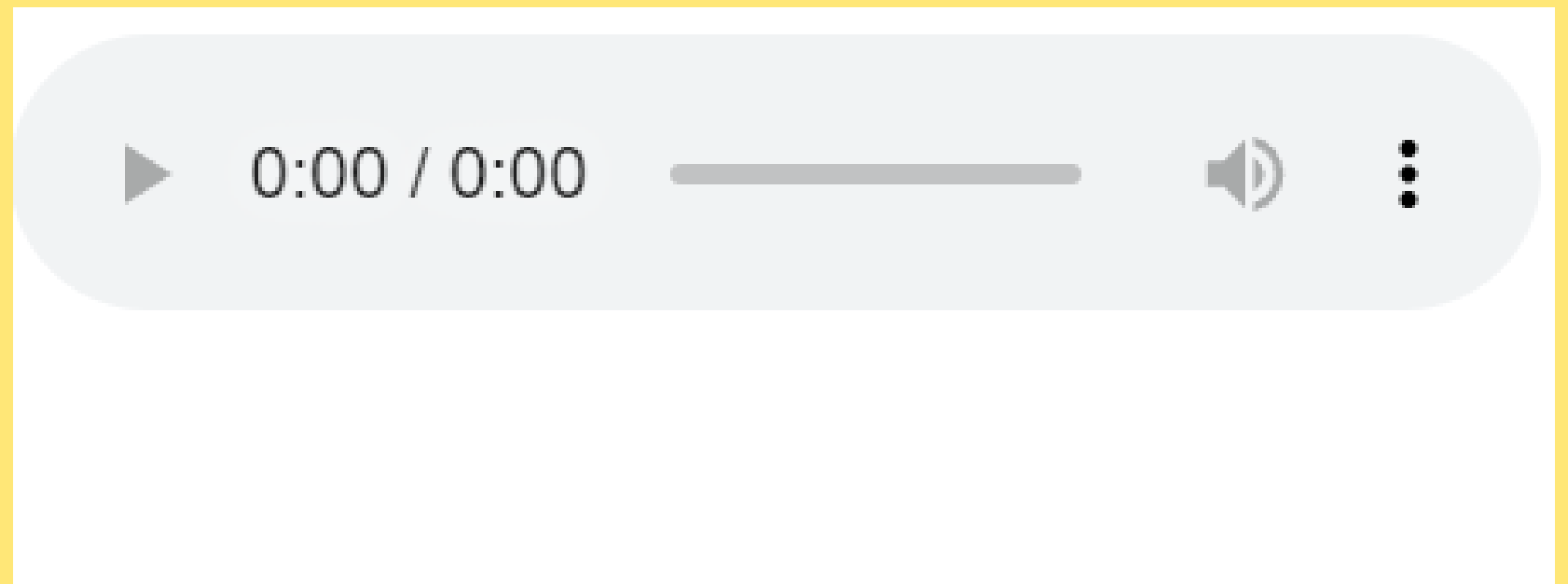
```
<audio controls>
```

```
  <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:

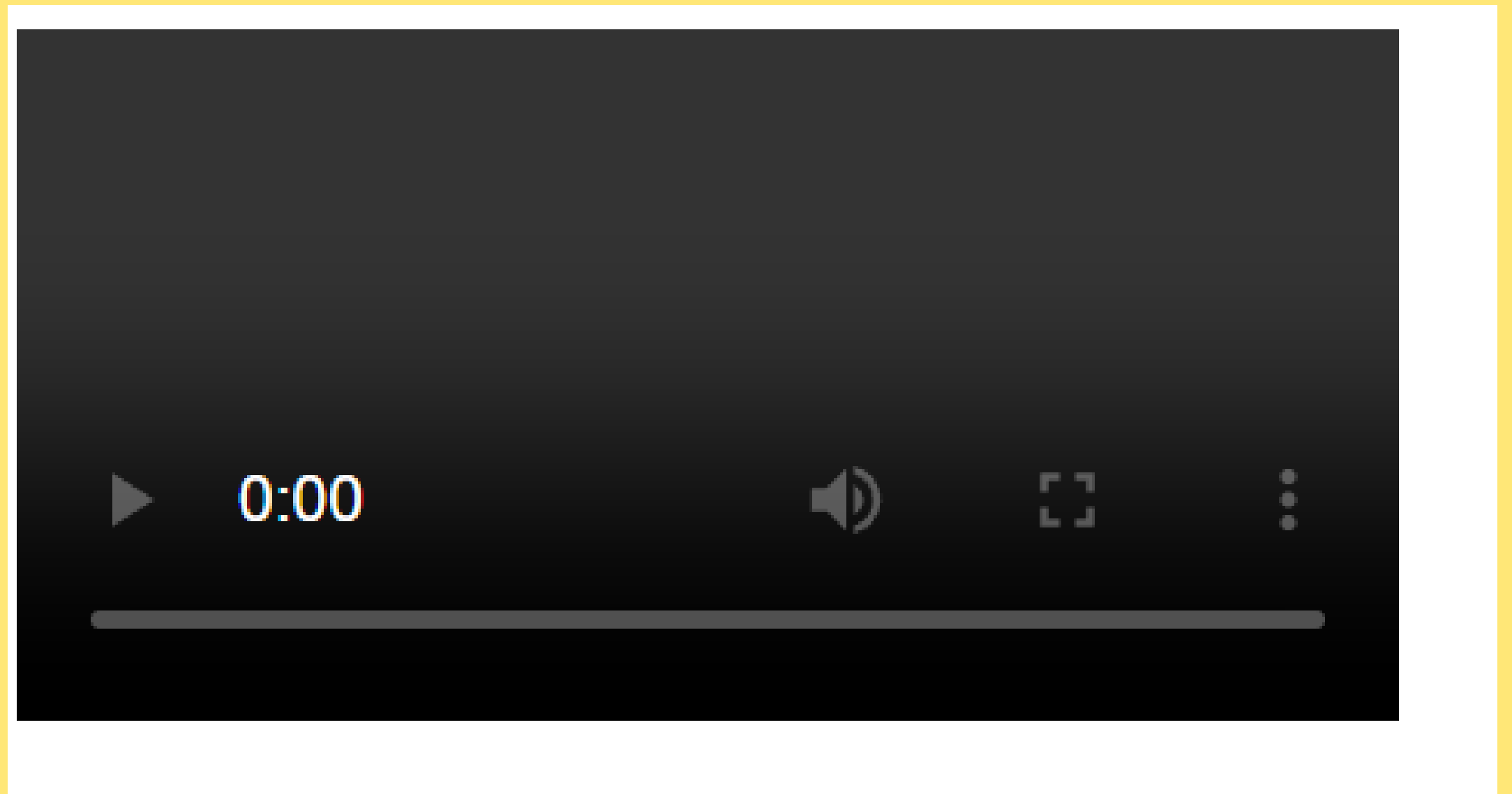
```
<video controls>
```

```
  <source src="video.mp4"
```

```
  type="video/mp4">
```

Your browser does not support the
video element.

```
</video>
```



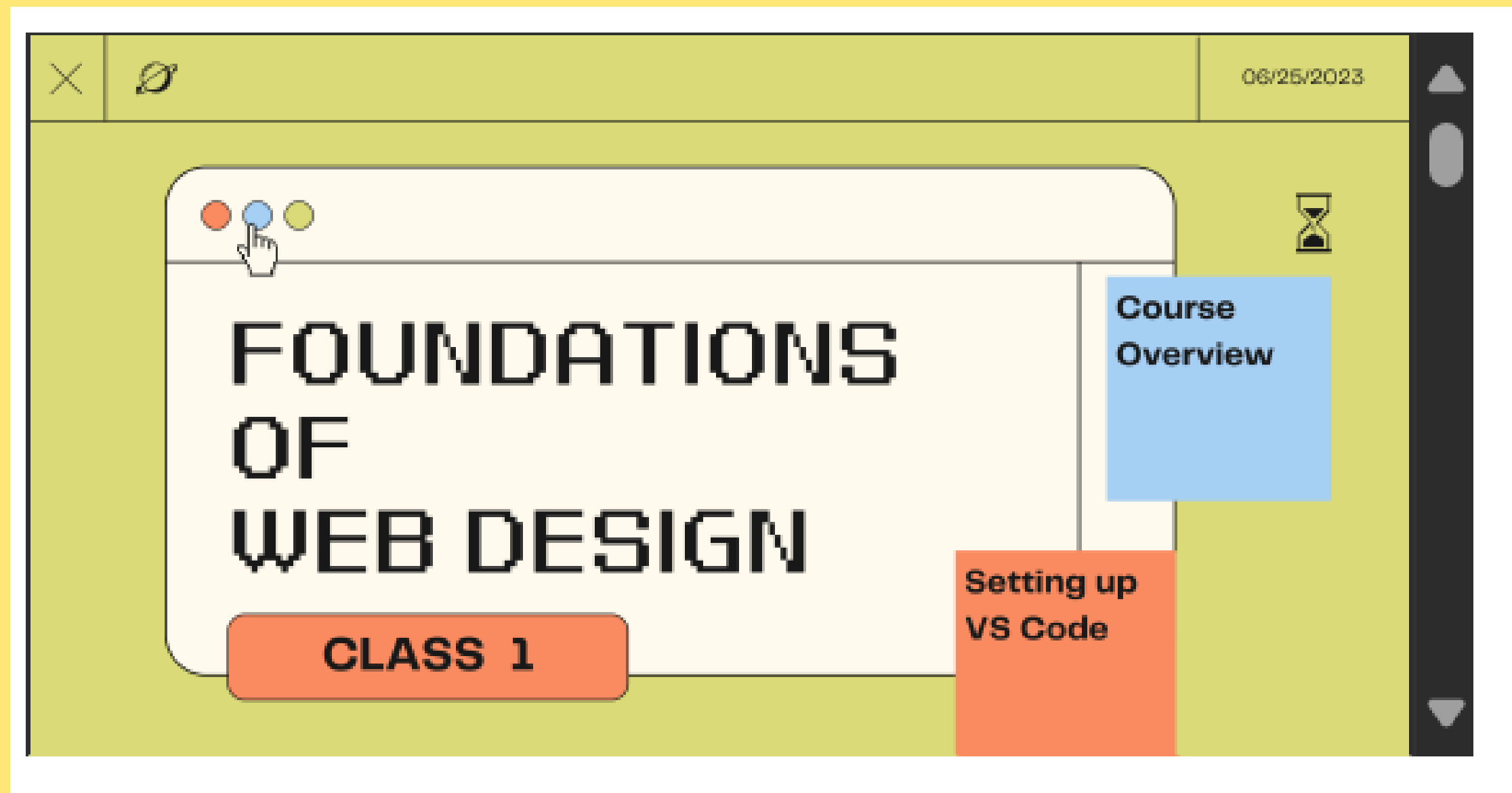
EMBED TAG

<embed> Tag

- adds external content like PDFS

Example:

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



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 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



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

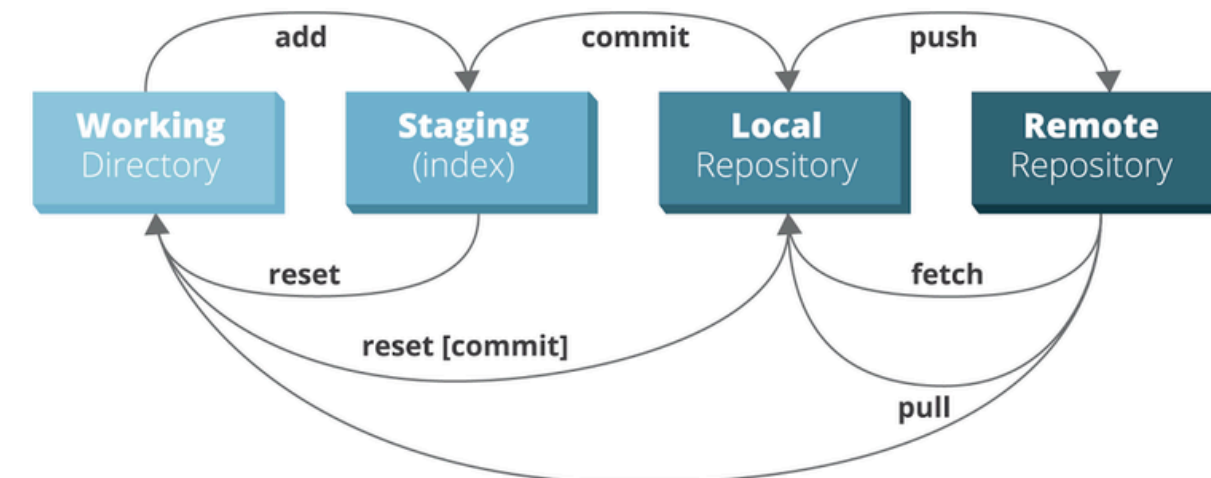
```
$ git push
```

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 *

Repository name *

DEM-1323 /

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
```

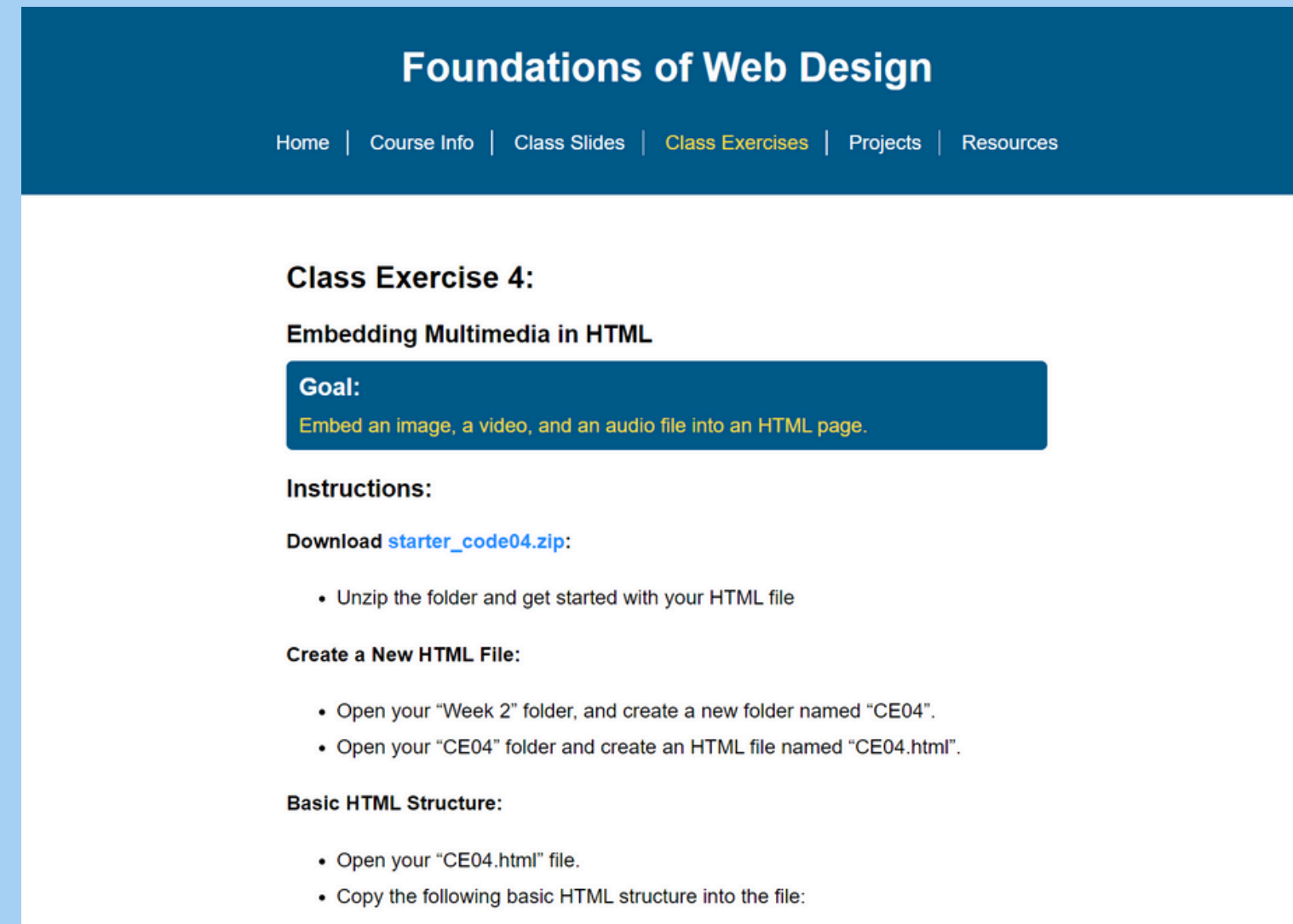

COMPLETE CLASS EXERCISE 4

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



The screenshot shows a web page titled "Foundations of Web Design" with a navigation bar containing links for Home, Course Info, Class Slides, Class Exercises (highlighted), Projects, and Resources. The main content area is titled "Class Exercise 4: Embedding Multimedia in HTML". It includes a "Goal" section with the instruction to "Embed an image, a video, and an audio file into an HTML page." followed by "Instructions:" and a link to "Download starter_code04.zip:". Below this is a list of steps: "Unzip the folder and get started with your HTML file". The next section is "Create a New HTML File:" with steps to create a "CE04" folder and an "CE04.html" file. The final section is "Basic HTML Structure:" with steps to open the "CE04.html" file and copy the basic HTML structure into it.

Foundations of Web Design

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

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.

CREATE A WEBPAGE WITH:

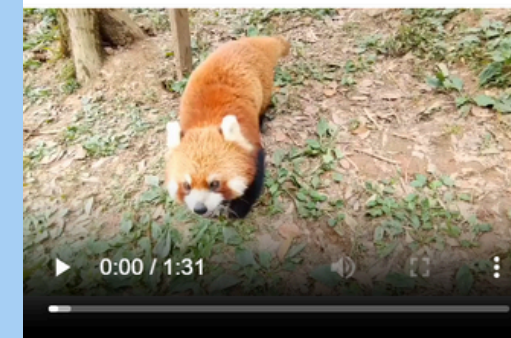
- 1 ordered list
- 1 nested unordered list
- 2 links to other websites
- 2 images

Red Pandas

Image



Video



Audio

