

JAVASCRIPT DEVELOPMENT

Sasha Vodnik, Instructor

HELLO!

1. Pull changes from the JS-SF-8-resources repo to your computer
2. Open the starter-code folder in your code editor

JAVASCRIPT DEVELOPMENT

IN-CLASS LAB: FEEDR

LEARNING OBJECTIVES

At the end of this class, you will be able to

- › Familiarize yourself with the API documentation for news sources.
- › Fork and clone your starter code.
- › Strategize ways to hide the loader and replace the content of the `#main` container with that of the API.
- › Look up other news sources that might be useful for the project.
- › Build content programmatically using ES6 template literals

AGENDA

- Project 2 overview
- ES6 template literals
- Project 2 lab time

IN-CLASS LAB: FEEDR

WEEKLY OVERVIEW

WEEK 8

Project 2 Lab / `this`, closures, & the module pattern

WEEK 9

CRUD & Firebase / Deploying your app

WEEK 10

Instructor/Student Choice / Final project lab

IN-CLASS LAB: FEEDR

HOMework REvIEW

HOMEWORK — GROUP DISCUSSION



EXERCISE

TYPE OF EXERCISE

- ▶ Groups of 3

TIMING

4 min

1. Share your solutions for the 500px project.
2. Share 1 thing you found challenging. If you worked it out, share how; if not, brainstorm with your group how you might approach it.
3. If you completed the bonus, demonstrate it and show how you coded it.

EXIT TICKET QUESTIONS

1. For our final project will we be responsible for writing out the HTML and CSS? And how much should we be preparing to write?
2. Will we touch on how to write good HTML that anticipates the needs of Javascript? I know the HTML basics, but it seems a lot of forethought went into these divs based on the anticipated functionality, and I don't know if I'd be prepared to do that from the outset.
3. Are single-page web-apps a better practice than multi-page web-apps? Or just currently popular? How do you know when to use each?

EXIT TICKET QUESTIONS

4. How often does a 3rd party web service have its own library versus needing us to write our own code from scratch? Will we go over how to write our own code from scratch?
5. I'm a little confused on how you knew the `_500px.api` required an object vs a string. It didn't seem clear from the API.
6. How do I use APIs to download data to a CSV?

EXERCISE — PROJECT PLANNING



EXERCISE

TYPE OF EXERCISE

- ▶ Individual, then groups of 2-3

TIMING

3 min

1. Think about how you approach a task with a lot of parts and steps. Jot a list of ideas.
2. Discuss your ideas with a partner or group, writing down any suggestions from your group members that seem helpful.
3. When everyone has had a chance to discuss, you'll have a chance to share your ideas with the rest of the class.

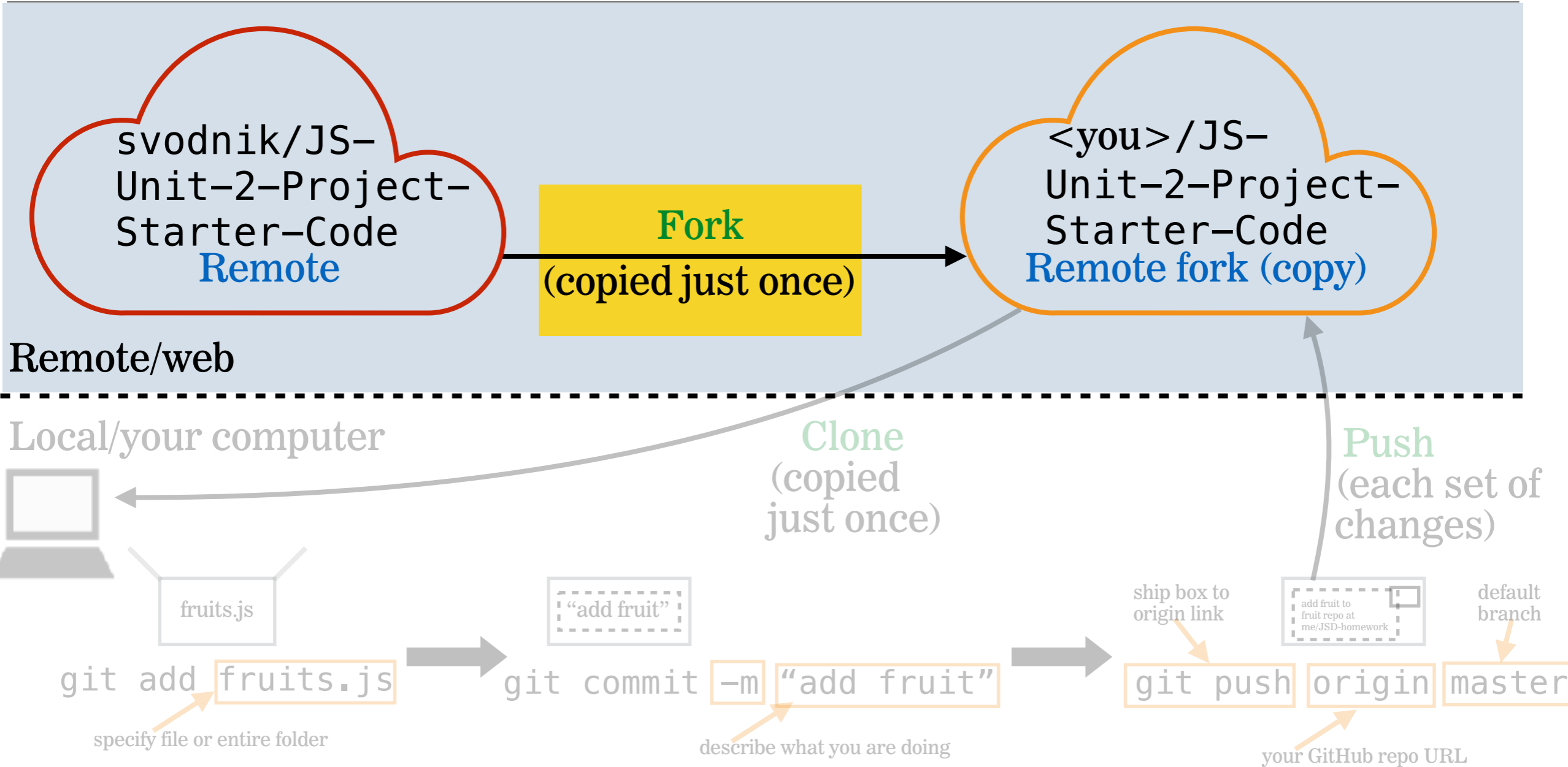
Project 2: Feedr

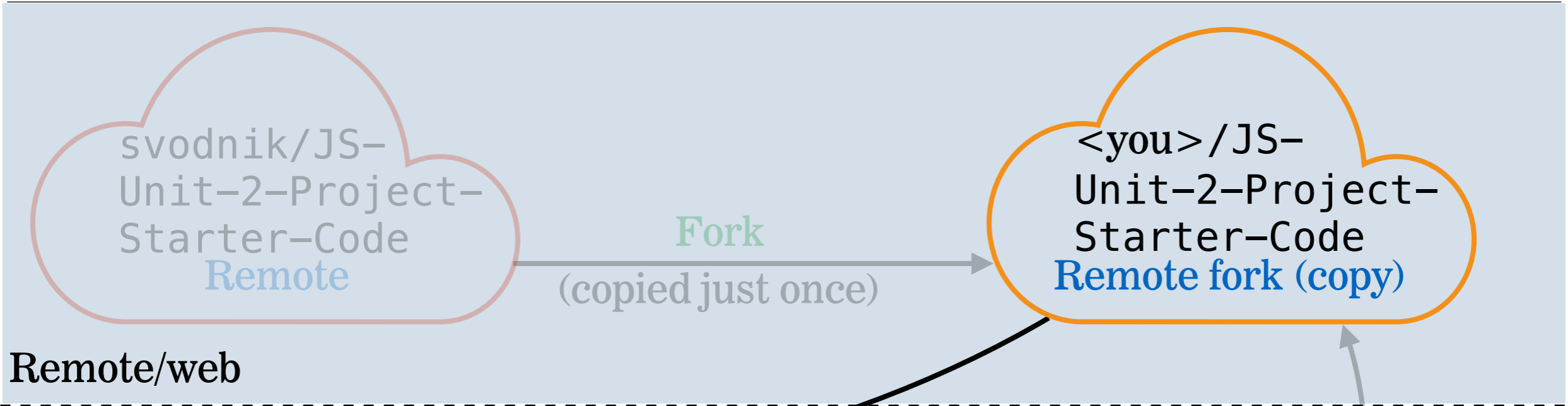
‣ **GitHub repo to fork:**

<https://github.com/svodnik/JS-Unit-2-Project-Starter-Code>

‣ **Project overview & instructions:**

<https://svodnik.github.io/jsd8/pages/feedr.html>





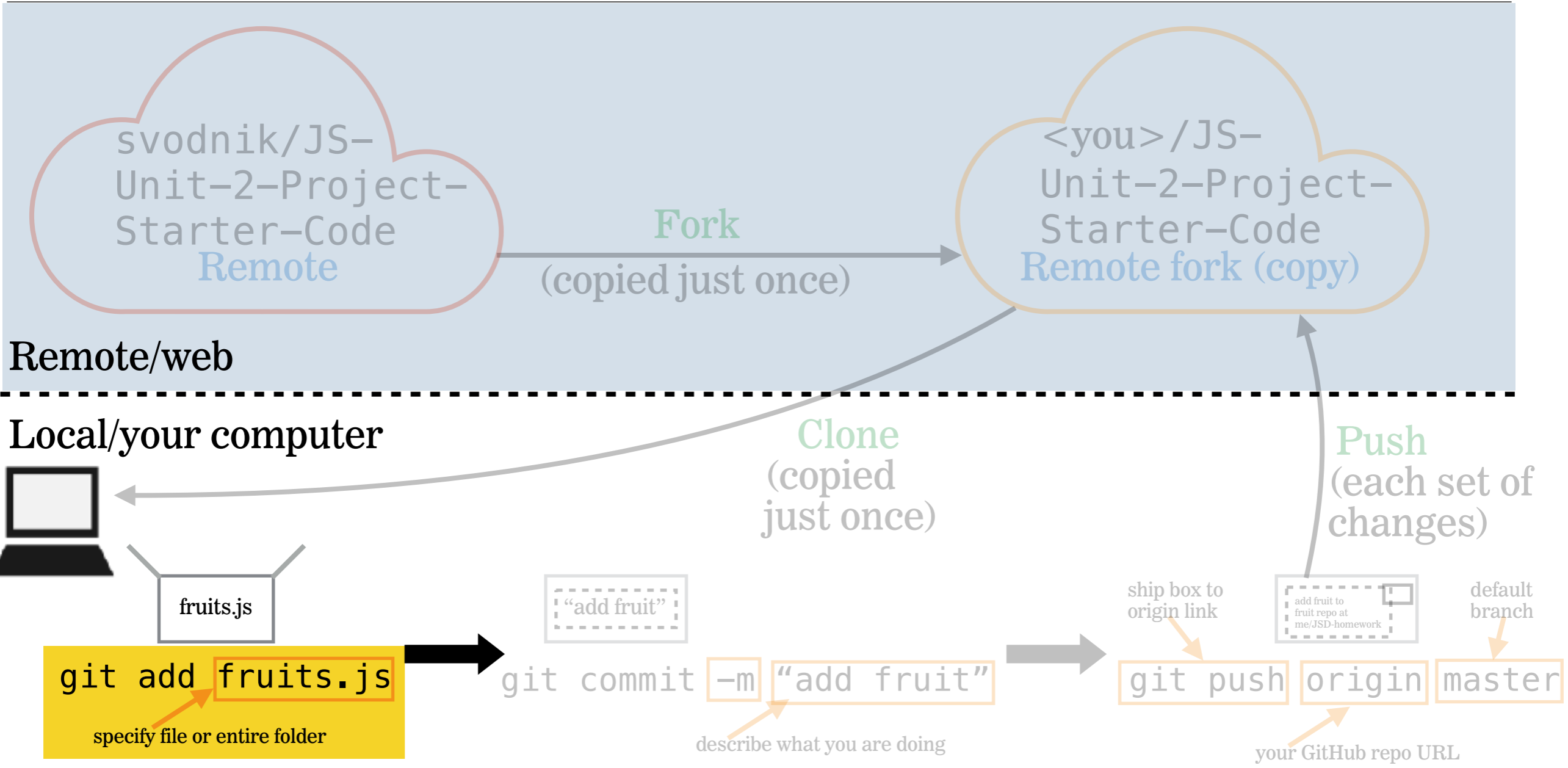
Local/your computer



Clone (copied just once)

Push (each set of changes)





svodnik/JS-Unit-2-Project-Starter-Code
Remote

Fork

(copied just once)

<you>/JS-Unit-2-Project-Starter-Code
Remote fork (copy)

Remote/web

Local/your computer

Clone

(copied just once)

Push

(each set of changes)

fruits.js

```
git add fruits.js
```

specify file or entire folder

“add fruit”

```
git commit -m “add fruit”
```

describe what you are doing

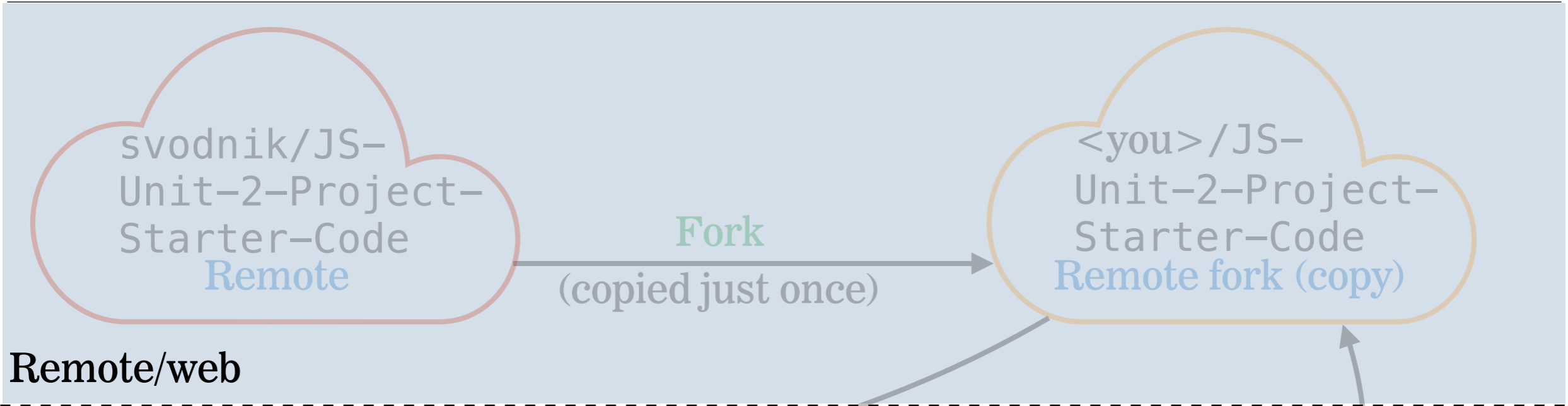
ship box to origin link

add fruit to fruit repo at me/JSD-homework

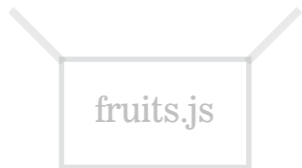
default branch

```
git push origin master
```

your GitHub repo URL



Local/your computer



```
git add fruits.js
```

specify file or entire folder



```
git commit -m "add fruit"
```

describe what you are doing

ship box to origin link

```
git push origin master
```

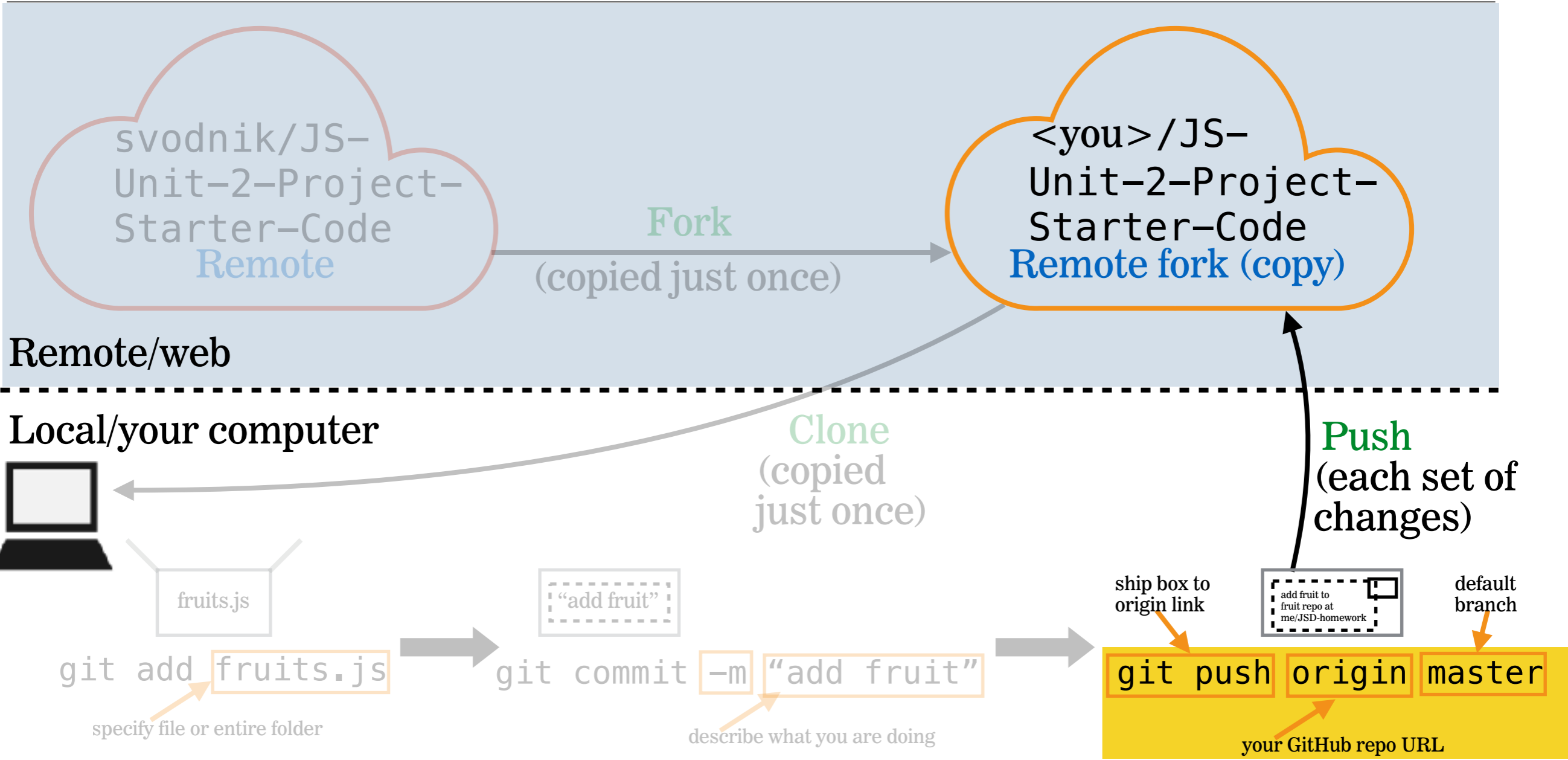
your GitHub repo URL



default branch

Clone (copied just once)

Push (each set of changes)

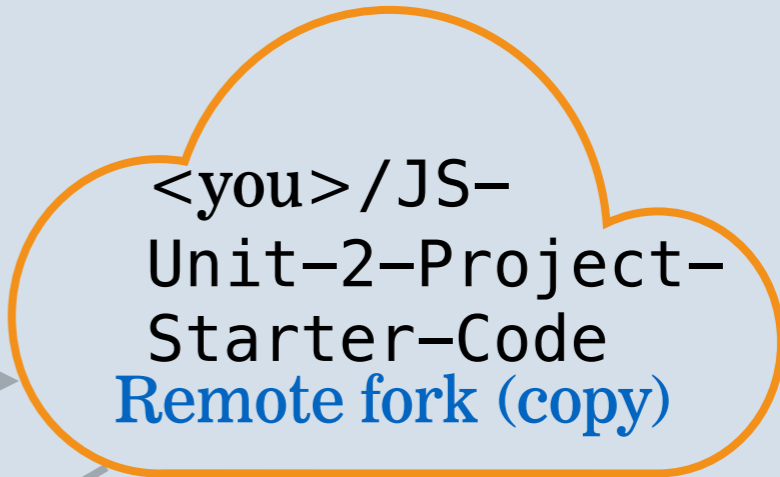
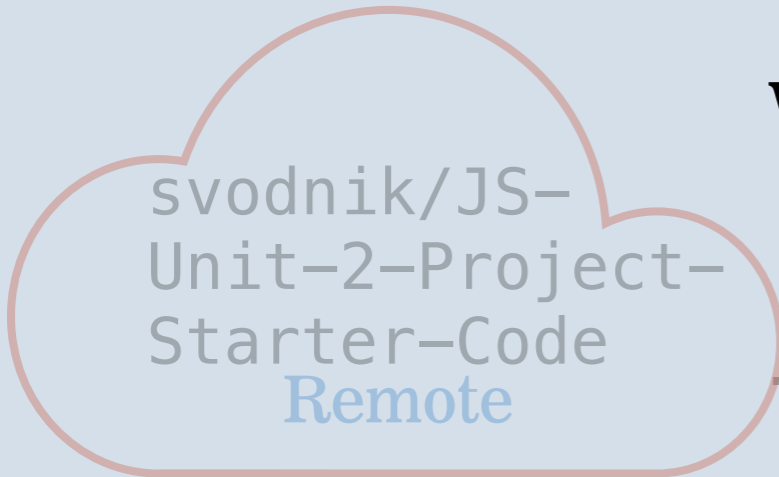


No pull request!

When you're done, just DM your repo URL to Sasha & Nicole

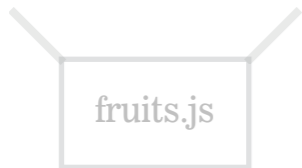
Fork

(copied just once)



Remote/web

Local/your computer



```
git add fruits.js
```

specify file or entire folder

```
git commit -m "add fruit"
```

describe what you are doing

ship box to origin link

```
git push origin master
```

your GitHub repo URL



default branch

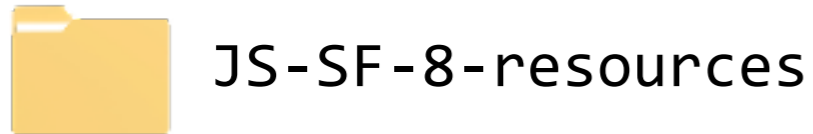
Push (each set of changes)

Clone (copied just once)

UPDATED FOLDER HIERARCHY



new folder for Project 2 is a sibling of existing folders



EXERCISE — FEEDR PLANNING



EXERCISE

TYPE OF EXERCISE

- ▶ Individual, then groups of 2-3

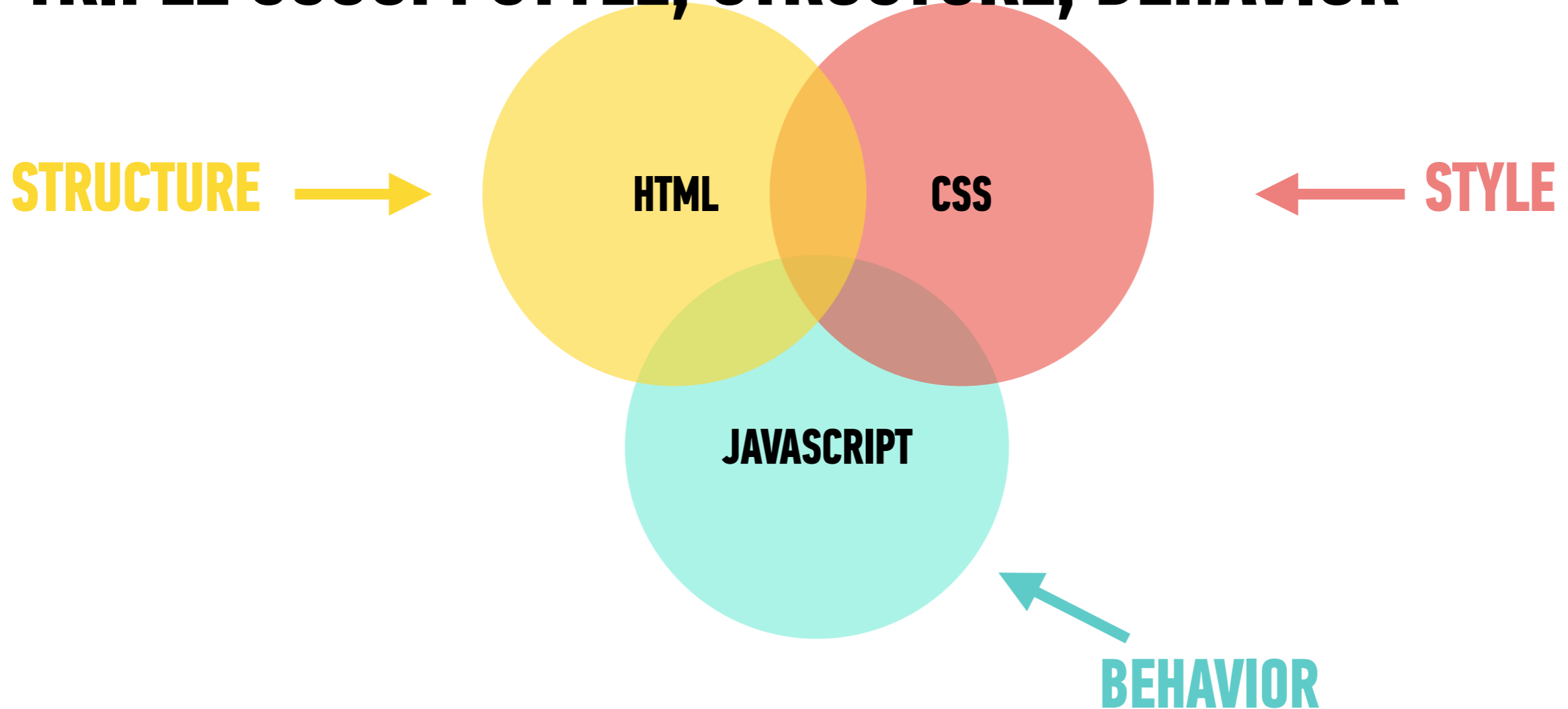
TIMING

6 min

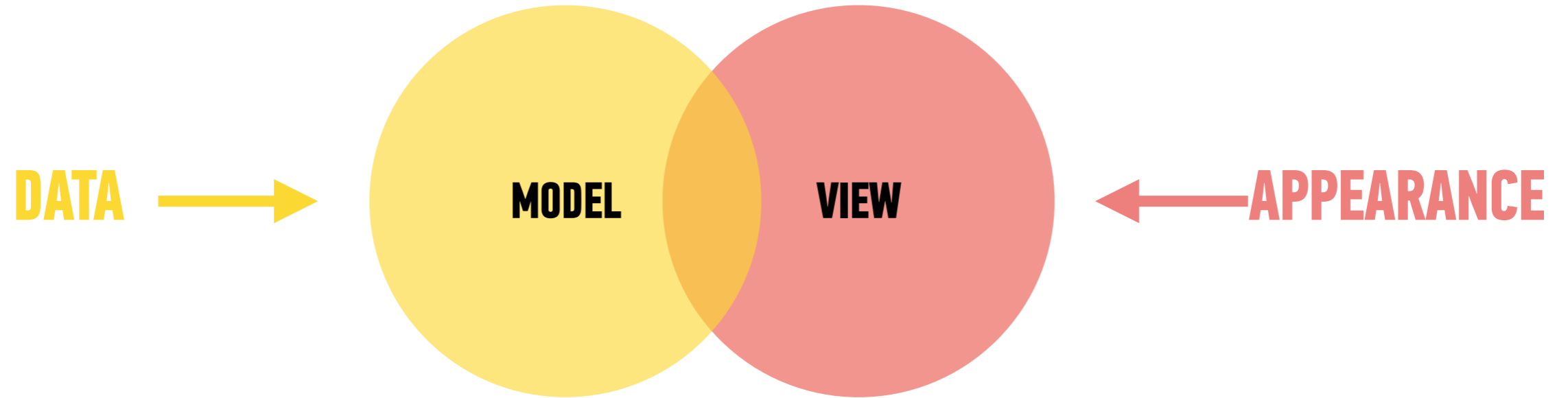
1. Take a minute or two to decide on your next step for your Feedr project. (It's okay to have a few possible next steps at this point.)
2. Share your next step(s) with one or two classmates. If you have different approaches, talk about how you decided on your approach.
3. Share the list of news sources you've selected for your project, and any pseudocode you've written, with your group, and discuss.

ES6 TEMPLATE LITERALS

TRIPLE SCOOP: STYLE, STRUCTURE, BEHAVIOR



MODEL VS VIEW



DOM MANIPULATION

```
conditionsPara.innerHTML = state.degCInt + ' C / ' + state.degFInt + ' F';
```


TEMPLATE LITERALS

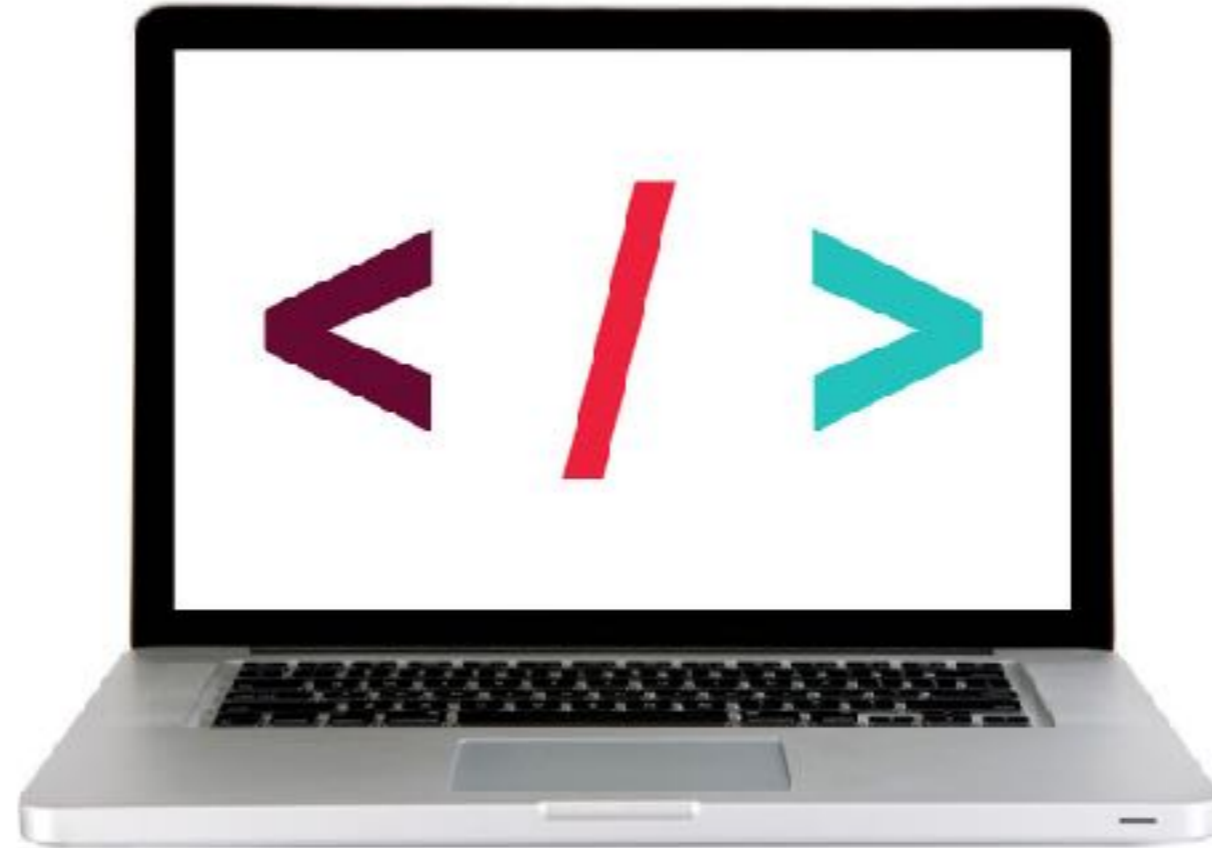
template literal starts and ends with a backtick

```
conditionsPara.innerHTML = `${state.degCInt} C / ${state.degFInt} F`;
```

variable reference starts with a dollar sign

variable reference surrounded by curly braces

IN-CLASS LAB: FEEDR



LET'S TAKE A CLOSER LOOK

EXERCISE - TEMPLATING



EXERCISE

LOCATION

▶ starter-code > 9-templating-lab

TIMING

10 min

1. Create a template literal and use it to display the data in the favorite object.
2. Use the HTML structure shown in main.js.
3. **BONUS:** create a template literal that displays the contents of the favorites object at the bottom of main.js.

LEARNING OBJECTIVES – REVIEW

- › Familiarize yourself with the API documentation for news sources.
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- › Strategize ways to hide the loader and replace the content of the `#main` container with that of the API.
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NEXT CLASS PREVIEW

this, closures, & the module pattern

- › Understand and explain Javascript context.
- › Understand and explain closures.
- › Implement the module pattern in your code.
- › Instantly invoke functions with and without arguments.

Exit Tickets!

(Class #13)

Q&A