



# Week 2

## Reading Practice Student Worksheet

# Synchronous Session



## Activities (Time: 40 min)

### I. Before you read

Do you know about these topics? Check your previous knowledge by answering the following questions.

**Part 1.** What's *jQuery*? Mark the sentences T (True) or False (F).

1. jQuery is a lightweight, JavaScript library.
2. jQuery makes more difficult to use JavaScript on your website.
3. jQuery takes a lot of common tasks of JavaScript code.

T
F
T

**Part 2.** Circle the correct options.

What is *AJAX*?

1. AJAX stands for Asynchronous JavaScript and XML.
2. AJAX is a technique for creating faster and more dynamic web pages.
3. AJAX allows web pages to be updated slower.

To know more about this, confirm your answers and read the text to keep learning about programming! ☺

### II. While you read

**Part 3.** Check the following words carefully with your partners. Answer the questions to create a *Word Wall*:

1. Are these words adjectives/nouns/verbs/adverbs?
2. Which words are cognates in this list? Mention them.
3. Scan the text. Can you check the context of these words to identify their meaning?



4.

1. <b>browser</b> noun	6. <b>method</b> noun
2. <b>functionality</b> noun	7. <b>purpose</b> noun
3. <b>server</b> noun	8. <b>library</b> noun
4. <b>simplify</b> verb	9. <b>reload</b> verb
5. <b>make</b> verb	10. <b>data</b> noun

5. Look at the chart below. Match the word with its correct meaning and identify important information.

Word	#	Meaning
1. <b>browser</b>	D	a. noun. a function or range of functions in a computer, program, package, etc.
2. <b>functionality</b>	A	b. noun. a collection of software or data usually reflecting a specific theme or application.
3. <b>server</b>	J	c. verb. to make less complex or complicated; make plainer or easier.
4. <b>simplify</b>	C	d. noun. an application or program that allows the user to examine encoded documents in a form suitable for display.
5. <b>make</b>	F	e. noun. a procedure, technique, or planned way of doing something:
6. <b>method</b>	E	f. verb. to bring into existence by combining material; produce.
7. <b>purpose</b>	I	g. verb. recharge - refresh
8. <b>library</b>	B	h. adj. individual facts, statistics, or items of information:
9. <b>reload</b>	G	i. noun. the reason for which something exists or is done, made



10. data

H

j. noun. a computer that makes services, as access to data files, programs, and peripheral devices, available to workstations on a network.

6. Finally, work in pairs or groups. Organize these words in a **Word Wall** using a **Power Point** or **Word file**.
7. Share your **Word Wall** with your partners and explain the method you chose to classify the new vocabulary.

**Part 4. Scan. Find these answers to the questions in the reading as quickly as you can. You will check your answers later.**

1. What is jQuery?
2. What is jQuery's purpose? |
3. What is Ajax?
4. What is Ajax's purpose?



[Education illustrations by Storyset](https://storyset.com/education)

# JQuery

jQuery is a JavaScript Library. jQuery greatly simplifies JavaScript programming. jQuery is easy to learn.

## jQuery Introduction

The purpose of jQuery is to make it much easier to use JavaScript on your website.



# What You Should Already Know

Before you start studying jQuery, you should have a basic knowledge of:

- HTML
- CSS
- JavaScript

## What is jQuery?

jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

- HTML/DOM manipulation
- CSS manipulation
- HTML event methods
- Effects and animations
- AJAX
- Utilities

**Tip:** In addition, jQuery has plugins for almost any task out there.

## Why jQuery?

There are lots of other JavaScript libraries out there, but jQuery is probably the most popular, and also the most extendable.

Many of the biggest companies on the Web use jQuery, such as:

- Google



- Microsoft
- IBM
- Netflix

## What is AJAX?

AJAX is a technique for exchanging data with a server, and updating parts of a web page - without reloading the whole page.

AJAX = Asynchronous JavaScript and XML.

In short; AJAX is about loading data in the background and display it on the webpage, without reloading the whole page. Examples of applications using AJAX: Gmail, Google Maps, Youtube, and Facebook tabs.

## What About jQuery and AJAX?

jQuery provides several methods for AJAX functionality.

With the jQuery AJAX methods, you can request text, HTML, XML, or JSON from a remote server using both HTTP Get and HTTP Post - And you can load the external data directly into the selected HTML elements of your web page!

## Without jQuery, AJAX coding can be a bit tricky!

Writing regular AJAX code can be a bit tricky, because different browsers have different syntax for AJAX implementation. This means that you will have to write extra code to test for different browsers. However, the jQuery team has taken care of this for us, so that we can write AJAX functionality with only one single line of code.

### III. After you read

**Part 5.** Read the following statements and tick yes or no in each case.



Statements	Yes	No
1. Before you start studying jQuery, you should have a basic knowledge of: <ul style="list-style-type: none"><li>• Python</li><li>• R</li><li>• C</li></ul>		X
2. Query is probably the most popular, and also the most extendable.	X	
3. jQuery provides only two methods for AJAX functionality.		X
4. We can write AJAX functionality with only one single line of code.	X	

Click on the link below to read the full text:

<https://www.w3schools.com/jquery/default.asp>





# Answer Key

**Part 1.** What's a Word Wall? Mark the sentences T (True) or False (F).

1. T
2. F
3. T

**Part 2.** Circle the correct options: 1 and 2.

**Part 3.** Exercises 1, 2, 3. Answers may vary.

**Exercise 4.**

Word	#	Meaning
1. <u>browser</u>	2	a. noun. a function or range of functions in a computer, program, package, etc.
2. <u>functionality</u>	8	b. noun. a collection of software or data usually reflecting a specific theme or application.
3. <u>server</u>	4	c. verb. to make less complex or complicated; make plainer or easier.
4. <u>simplify</u>	1	d. noun. an application or program that allows the user to examine encoded documents in a form suitable for display.
5. <u>make</u>	6	e. noun. a procedure, technique, or planned way of doing something:
6. <u>method</u>	5	f. verb. to bring into existence by combining material; produce.
7. <u>purpose</u>	9	g. verb. recharge - refresh
8. <u>library</u>	10	h. adj. individual facts, statistics, or items of information:
9. <u>reload</u>	7	i. noun. the reason for which something exists or is done, made
10. <u>data</u>	3	j. noun. a computer that makes services, as access to data files, programs, and peripheral devices, available to workstations on a network.



Exercises 5 and 6. Answers may vary.

#### Part 4.

1. jQuery is a JavaScript Library. jQuery greatly simplifies JavaScript programming.
2. The purpose of jQuery is to make it much easier to use JavaScript on your website.
3. AJAX is a technique for exchanging data with a server, and updating parts of a web page - without reloading the whole page.
4. The purpose of Ajax is loading data in the background and display it on the webpage, without reloading the whole page.

#### Part 5. Answers:

Statements	Yes	No
1. Before you start studying jQuery, you should have a basic knowledge of: <ul style="list-style-type: none"><li>• Python</li><li>• R</li><li>• C</li></ul>		X
2. Query is probably the most popular, and also the most extendable.	X	
3. jQuery provides only two methods for AJAX functionality.		X
4. We can write AJAX functionality with only one single line of code.	X	