JAVASCRIPT

Web Browsers and Web Servers

WEB BROWSERS AND WEB SERVERS

YOU WAKE UP IN THE MORNING AND WANT TO READ THE NEWSPAPER
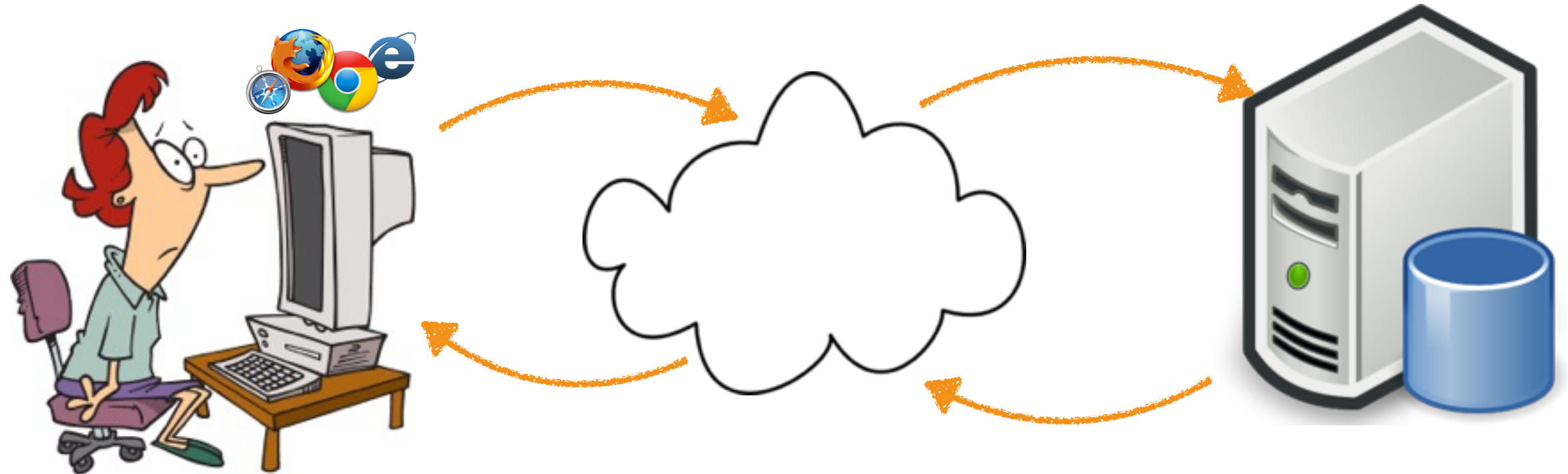
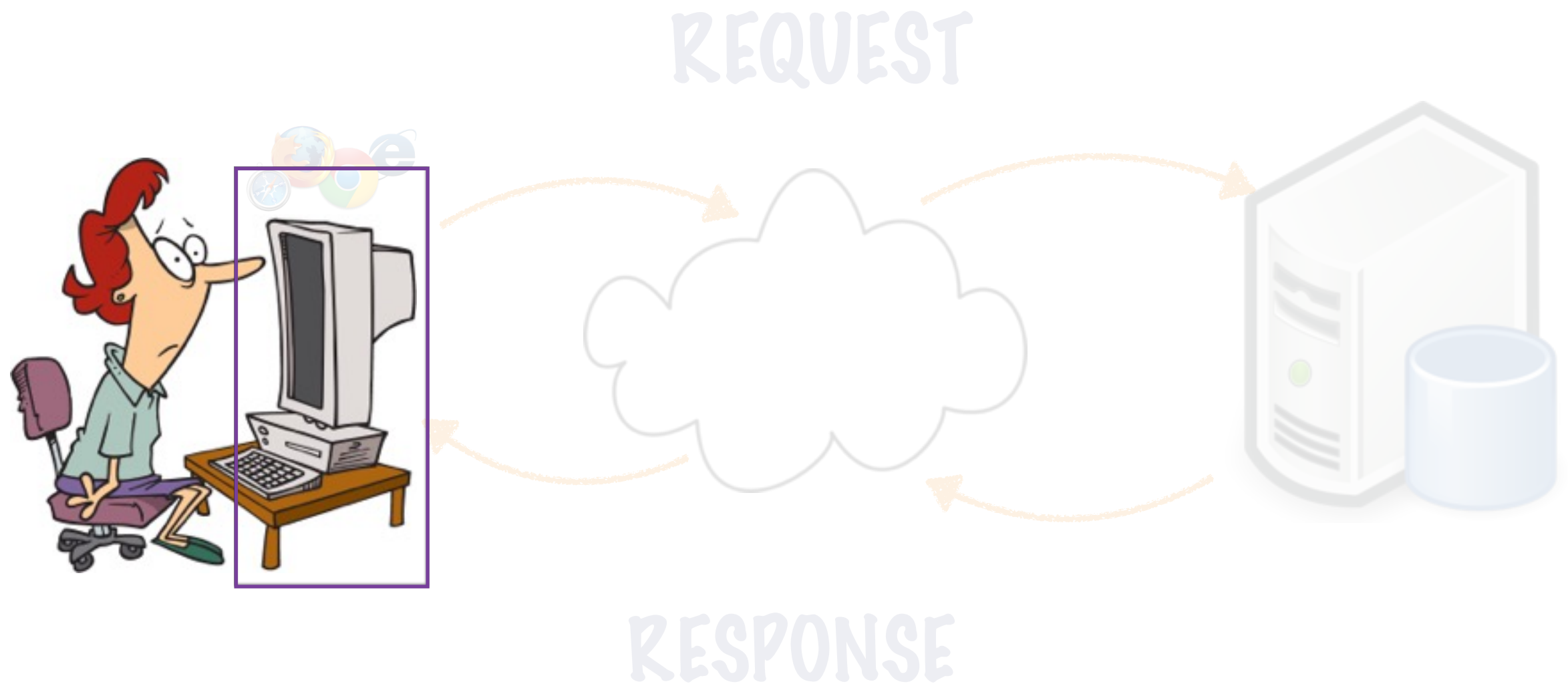YOU OPEN UP YOUR FAVORITE BROWSER

AND TYPE
WWW.NYTIMES.COM

Recap

WEB BROWSERS AND WEB SERVERS

REQUEST

RESPONSE

Reca
p

WEB BROWSERS

REQUEST

RESPONSE

Recap

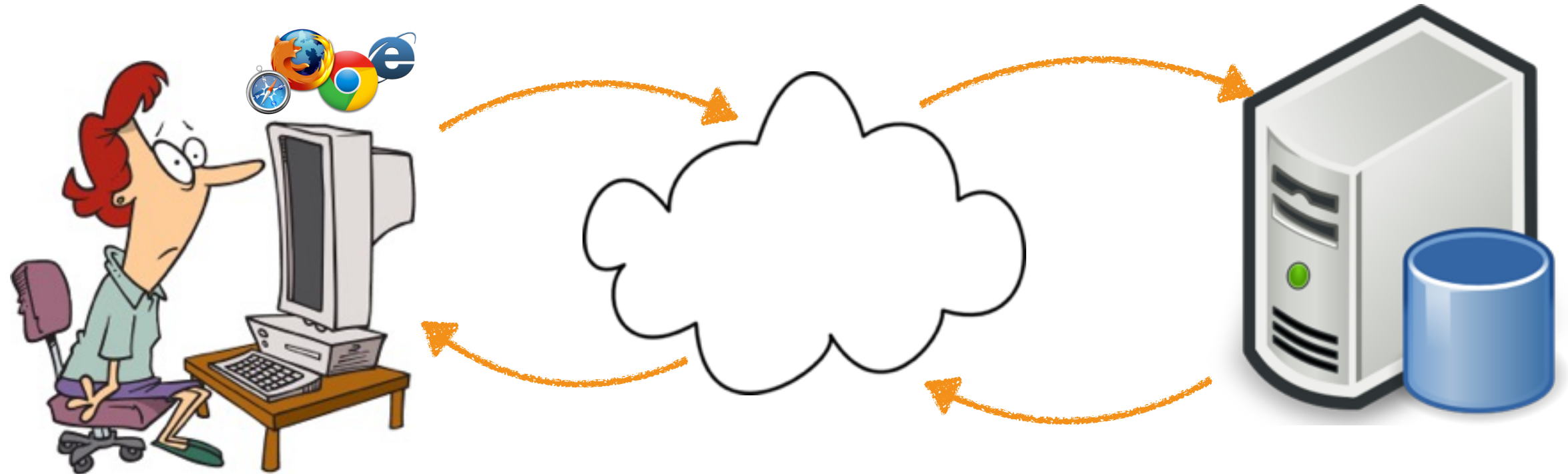# WEB SERVERS

REQUEST

RESPONSE

Recap

WEB BROWSERS AND WEB SERVERS

REQUEST

RESPONSE

WEB BROWSERS AND WEB SERVERS

REQUEST

RESPONSE

DO YOU WANT THE INFORMATION IN THE URL WWW.NYTIMES.COM?

HUNT FOR THE RESOURCES MAKING UP THIS INFORMATION. FOUND IT? HERE IT IS!

TEXT
FORMATTING
IMAGES
VIDEOS...

RESOURCES

HTML
CSS
JAVASCRIPT
IMAGES, VIDEOS...

Recap

WEB BROWSERS AND WEB SERVERS

KNOW HOW TO DISPLAY THE RESOURCES IN THE RIGHT WAY SUCH THAT IT'S UNDERSTOOD BY HUMANS

KNOW HOW TO RETRIEVE THE RIGHT RESOURCES AND "SERVE" IT TO ANYONE WHO ASKS FOR IT

Recap

SO HOW DO THESE BROWSERS KNOW
WHAT TO DISPLAY?

THE BROWSER KNOWS
HOW TO INTERPRET HTML,
CSS AND JAVASCRIPT

Recap

JAVASCRIPT

IS A PROGRAMMING LANGUAGE, RUN INSIDE YOUR BROWSER, THAT LETS YOU CONTROL THE BEHAVIOUR OF THE WEBPAGE

JAVASCRIPT

IS A PROGRAMMING LANGUAGE, RUN INSIDE YOUR BROWSER, THAT LETS YOU CONTROL THE BEHAVIOUR OF THE WEBPAGE

JAVASCRIPT IS A FULL-BLOWN PROGRAMMING LANGUAGE, AS SOPHISTICATED AS JAVA, PYTHON, C++ ETC.

JAVASCRIPT

IS A **PROGRAMMING LANGUAGE**, RUN INSIDE YOUR BROWSER, THAT LETS YOU CONTROL THE BEHAVIOUR OF THE WEBPAGE

JAVASCRIPT IS A FULL-BLOWN PROGRAMMING LANGUAGE, AS SOPHISTICATED AS JAVA, PYTHON, C++ ETC.

IT INCLUDES OBJECTS, INHERITANCE, SOPHISTICATED FUNCTION CONSTRUCTS, JUST ABOUT EVERYTHING

JAVASCRIPT

IS A PROGRAMMING LANGUAGE, RUN INSIDE YOUR BROWSER, THAT LETS YOU CONTROL THE BEHAVIOUR OF THE WEBPAGE

JAVASCRIPT IS INTERPRETED (NOT COMPILED) BY THE BROWSER

JAVASCRIPT

IS A PROGRAMMING LANGUAGE, RUN INSIDE YOUR BROWSER, THAT LETS YOU CONTROL THE BEHAVIOUR OF THE WEBPAGE

JAVASCRIPT IS INTERPRETED (NOT COMPILED) BY THE BROWSER

THUS, JAVASCRIPT ALMOST ALWAYS IS USED AS A CLIENT-SIDE TECHNOLOGY

JAVASCRIPT

IS A PROGRAMMING LANGUAGE, RUN INSIDE YOUR BROWSER, THAT LETS YOU CONTROL THE BEHAVIOUR OF THE WEBPAGE

JAVASCRIPT GOVERNS BEHAVIOUR WHERE HTML GOVERNS STRUCTURE, AND CSS GOVERNS APPEARANCE

JAVASCRIPT

IS A PROGRAMMING LANGUAGE, RUN INSIDE YOUR BROWSER, THAT LETS YOU CONTROL THE BEHAVIOUR OF THE WEBPAGE

IF HTML IS THE SKELETON, AND CSS IS THE SKIN, JAVASCRIPT IS THE BRAIN