

IN SEVEN MINUTES

THE INTERNET

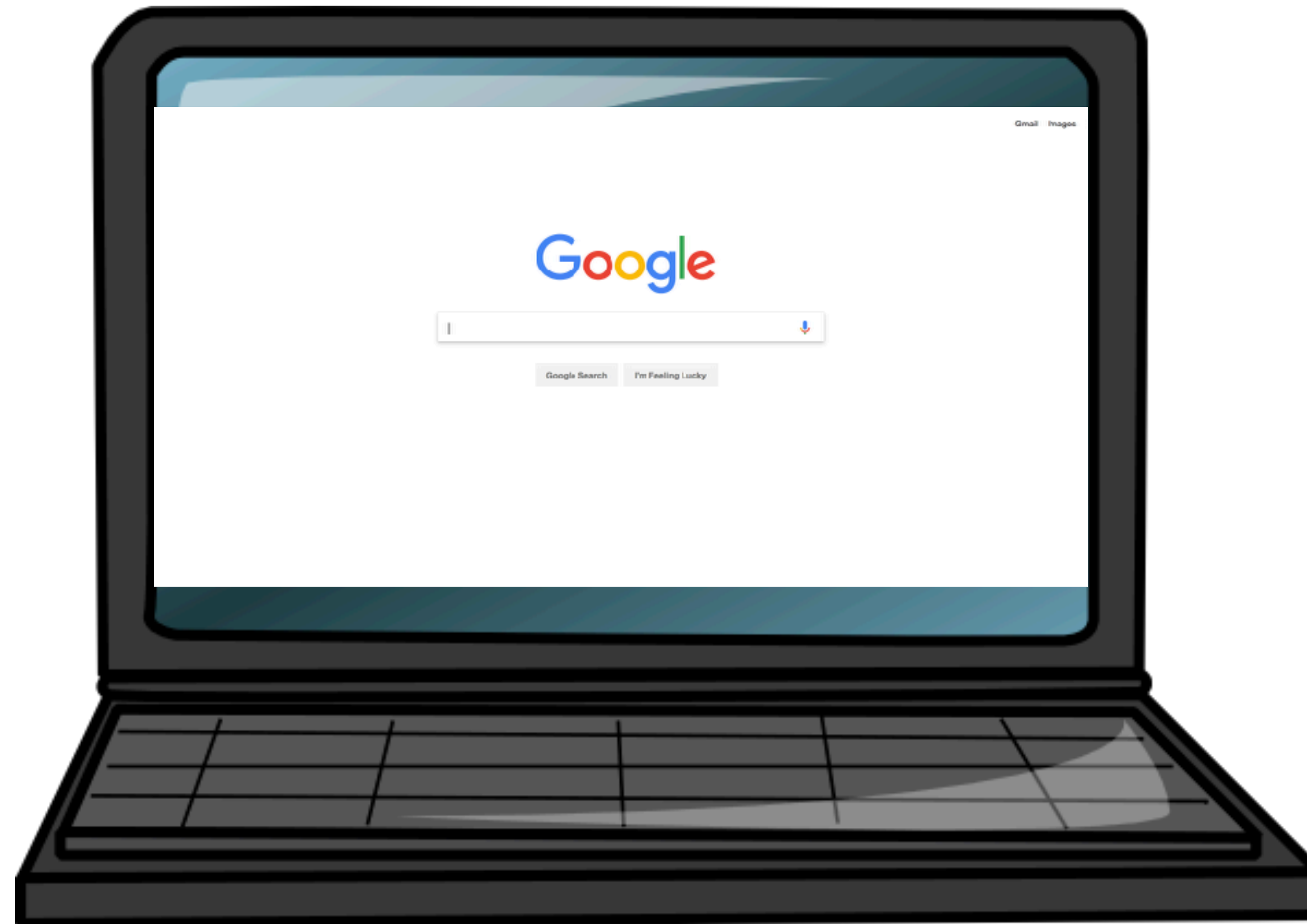
OUTLINE

- ▶ How we use the internet
- ▶ Clients vs Servers
- ▶ Rendering a Web Page
- ▶ Summary

HOW WE USE THE INTERNET



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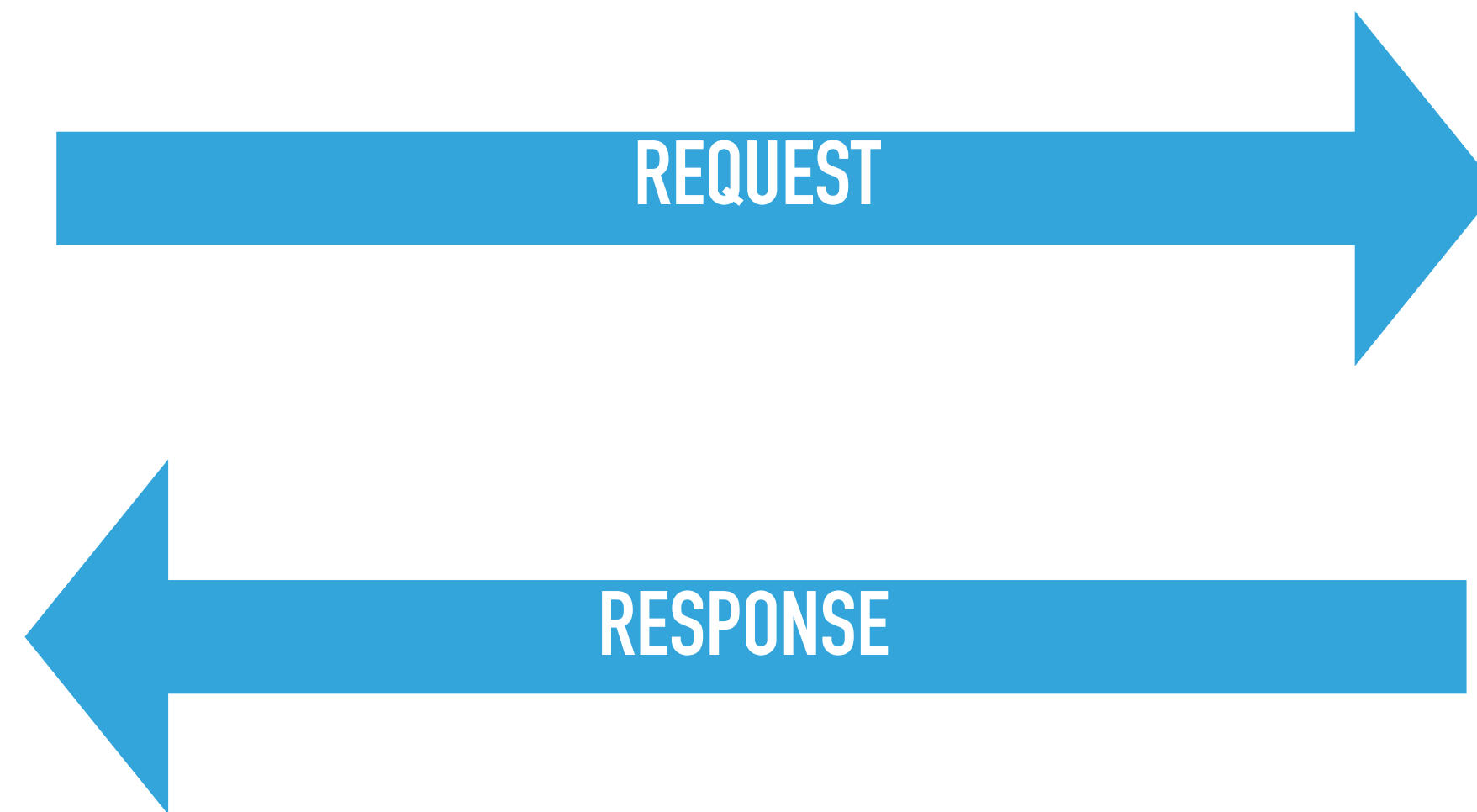
CLIENTS VS SERVERS

- ▶ **Clients** make requests
 - ▶ Our browser gives us this capability through our url bar.
 - ▶ You can also do this through the terminal on your computer
- ▶ **Servers** generate responses
 - ▶ Servers interpret the request that is made and generate an appropriate response.
 - ▶ Often times, these responses include all of the content necessary to render our web browser.

CLIENTS VS SERVERS

CLIENT

SERVER



RENDERING A WEBPAGE



RENDERING A WEBPAGE

- ▶ **We need three major pieces to render a web page**
 - ▶ The actual content of the webpage - **HTML**
 - ▶ <http://info.cern.ch/hypertext/WWW/TheProject.html>
 - ▶ The layout/styling of a webpage - **CSS**
 - ▶ The interactivity/logic of a webpage - **JavaScript**

SUMMARY

- ▶ Generally, basic communication over the internet relies on...
 - ▶ A **client** making a **request**
 - ▶ A **server** make a **response**
- ▶ The three required pieces of information for our browser to render a webpage are
 - ▶ HTML - Content
 - ▶ CSS - Styles
 - ▶ JavaScript - Logic/Interactivity