



Transmission Control Protocol (TCP)

Web Browsing (Application Layer Point of View)

HTTP Client
(web browser)



HTTP Server
(web server)

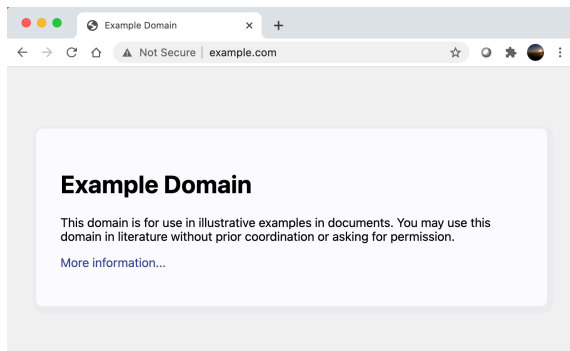
GET /index.html HTTP/1.1
Host: example.com
User-Agent: Mozilla/35.0

HTTP Request

HTTP Response

HTTP/1.1 200 OK
Content-type: text/html
Content-length: 136

<HTML><HEAD>
<TITLE>Example</TITLE>
.....



Web Browsing (Application and Transport Layer Point of View)

HTTP Client
(web browser)



HTTP Server
(web server)



1. TCP Connection Opening

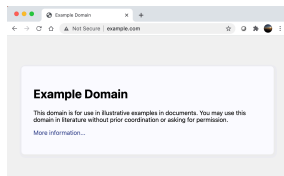
GET /index.html HTTP/1.1
Host: example.com
User-Agent: Mozilla/35.0

HTTP/1.1 200 OK
Content-type: text/html
Content-length: 136

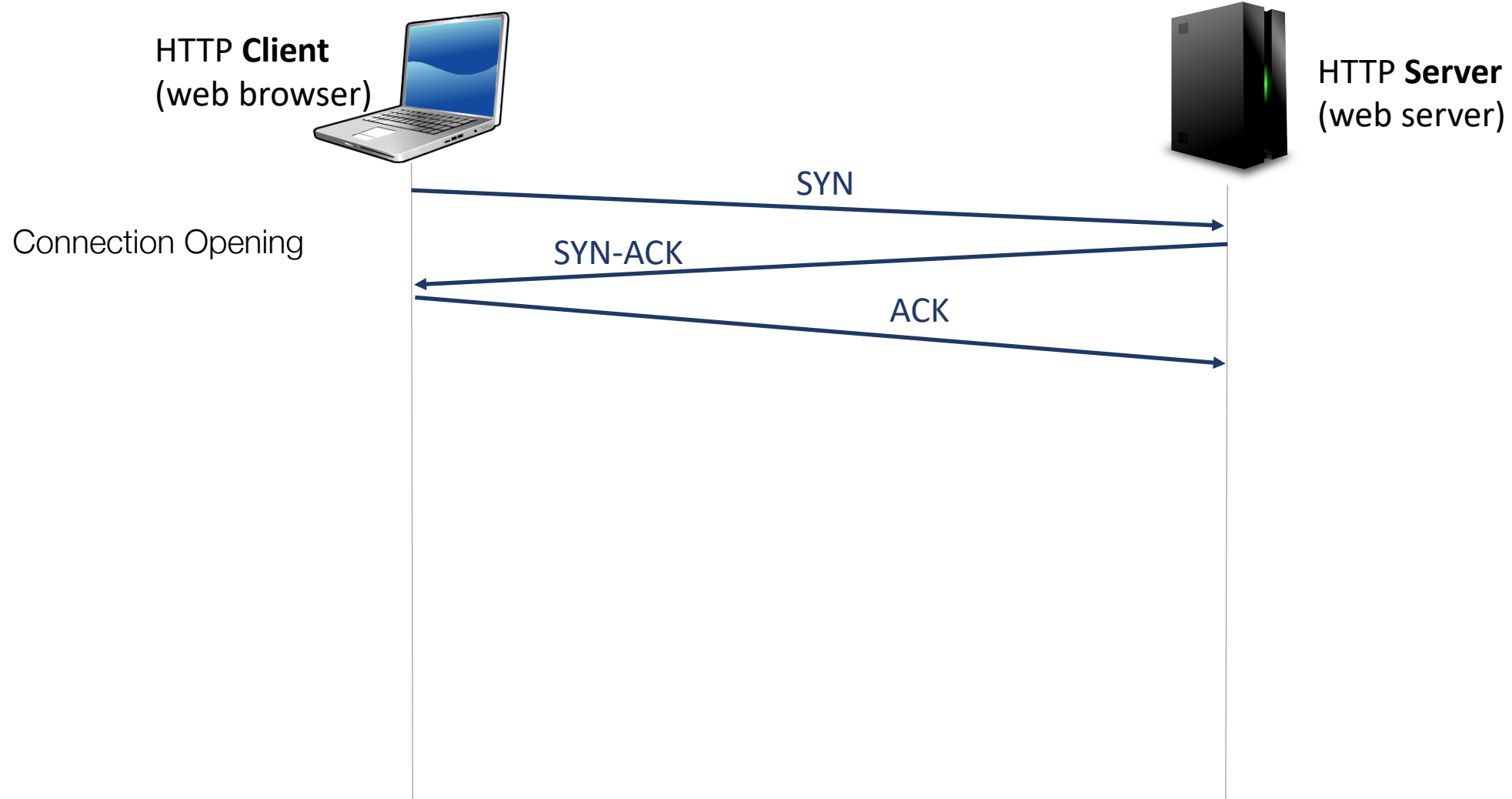
2. Data Transfer

<HTML><HEAD>
<TITLE>Example</TITLE>
.....

3. TCP Connection Closing



TCP Connection Opening (3-way Handshake)



HTTP Data Transfer

HTTP Client
(web browser)



HTTP Server
(web server)



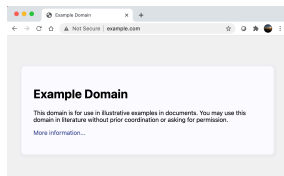
GET /index.html HTTP/1.1
Host: example.com
User-Agent: Mozilla/35.0

HTTP Request

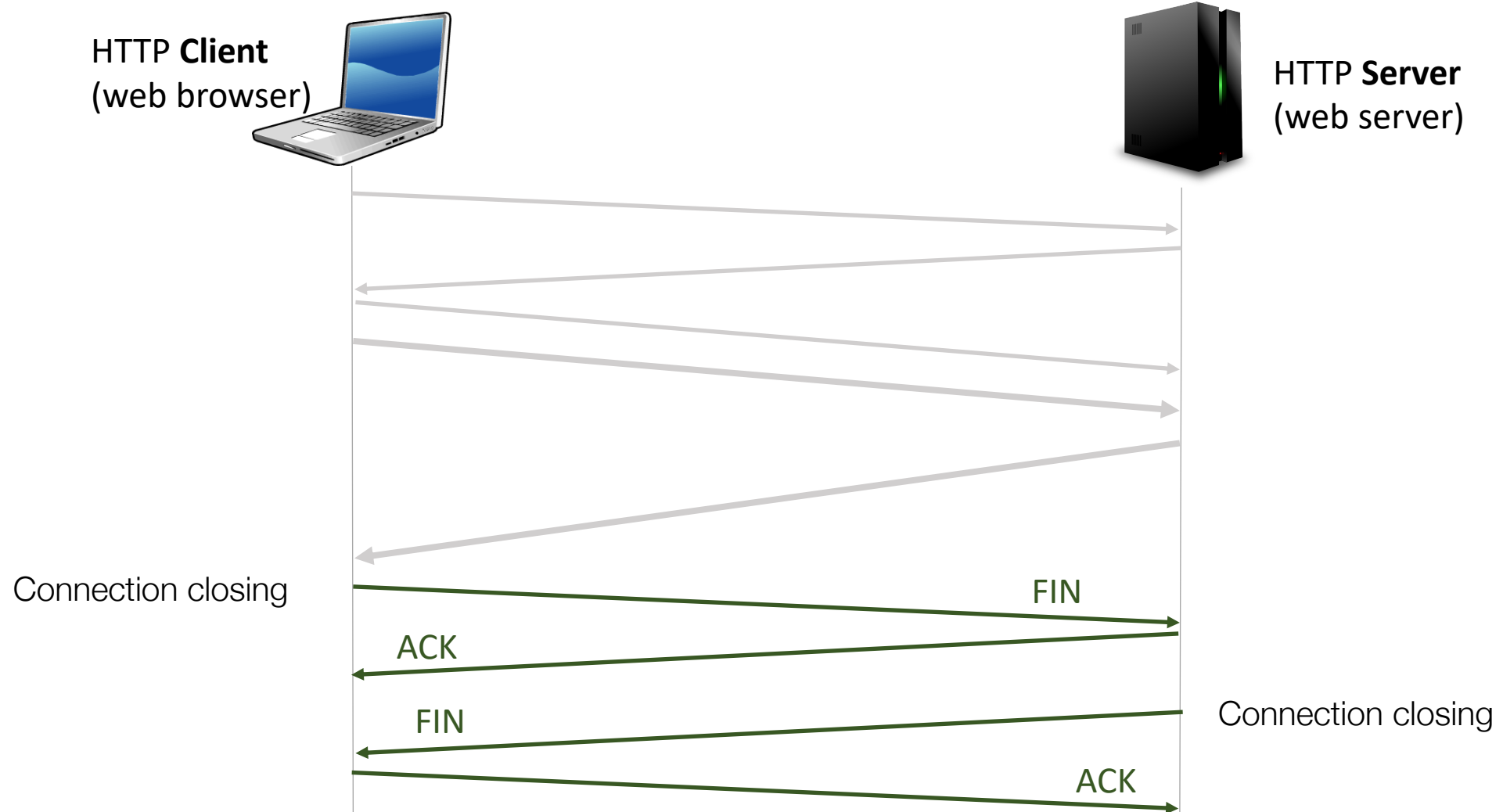
HTTP/1.1 200 OK
Content-type: text/html
Content-length: 136

HTTP Response

<HTML><HEAD>
<TITLE>Example</TITLE>
.....



TCP Connection Closing



Rangkuman

Application (HTTP) and Transport (TCP) Layer

HTTP Client
(web browser)



HTTP Server
(web server)



SYN

SYN-ACK

ACK

GET /index.html HTTP/1.1
Host: example.com
User-Agent: Mozilla/35.0

HTTP Request

HTTP/1.1 200 OK
Content-type: text/html
Content-length: 136

HTTP Response

<HTML><HEAD>
<TITLE>Example</TITLE>
.....

FIN

ACK

FIN

ACK

