

THE ESSENCE OF WEB

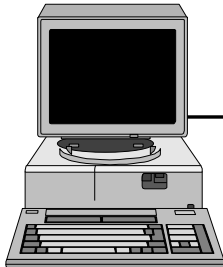
David Nandigam

Objectives

- Describe these terms: web application, web page, web form, client, server, HTTP, HTML, HTTP request, HTTP response, postback, and round trip.
- Name the software component that's required on the client of any web application, and name the two software components that are usually required on the server of any web application.
- Distinguish between static web pages and dynamic web pages, and explain how each is processed by the web server.

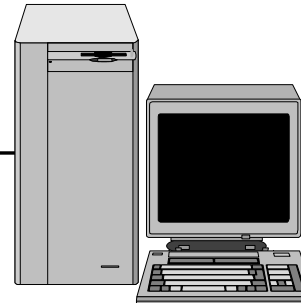
Components of a web application

Client computer



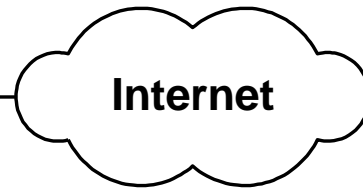
Web browser

Server computer

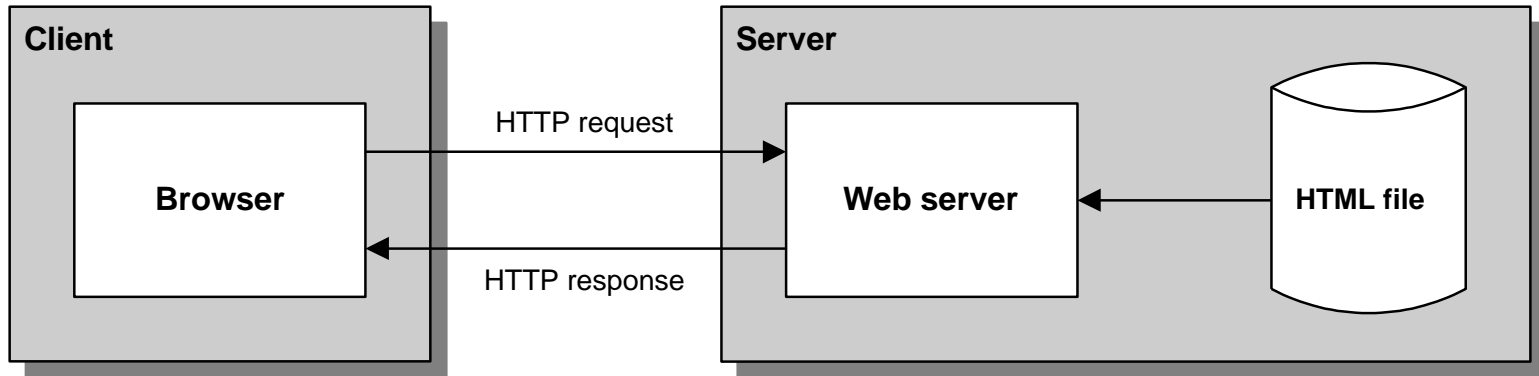


Web server

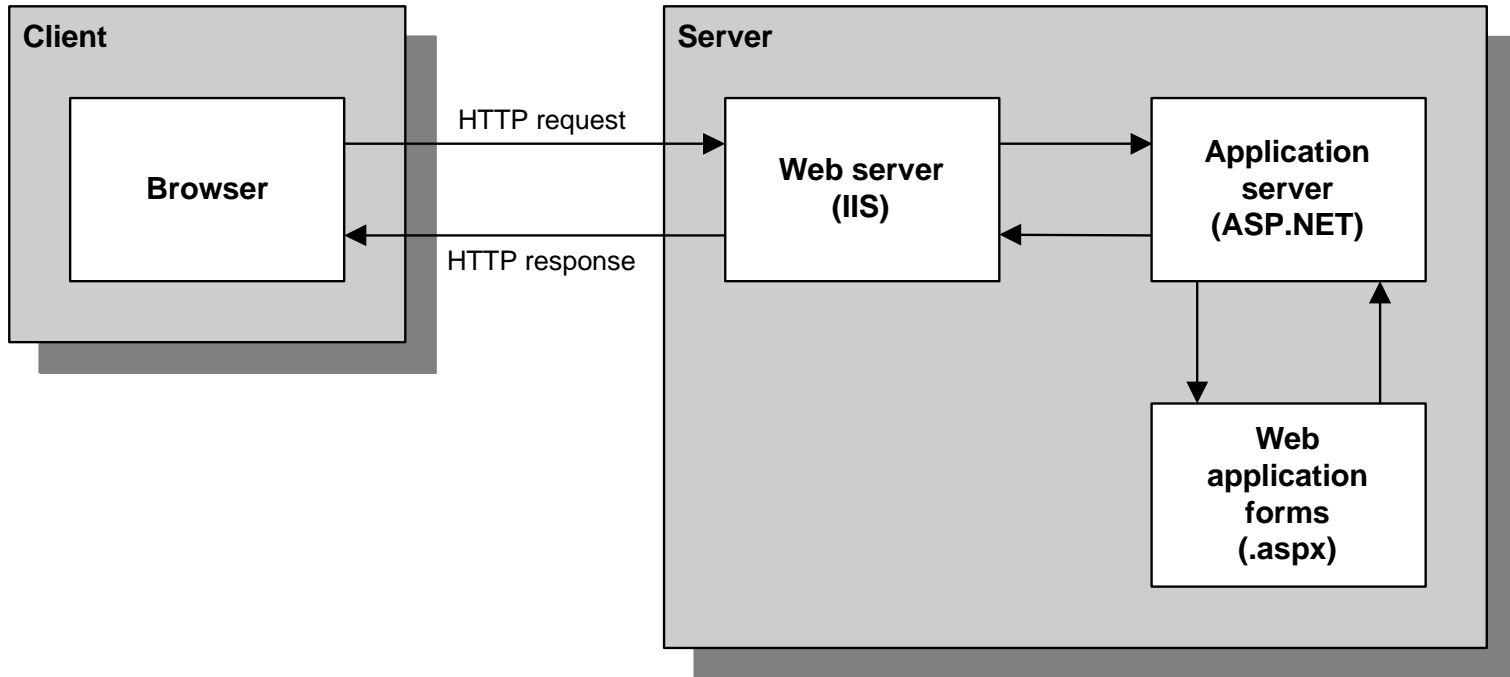
Database management system



How a web server processes static web pages



How a web server processes dynamic pages



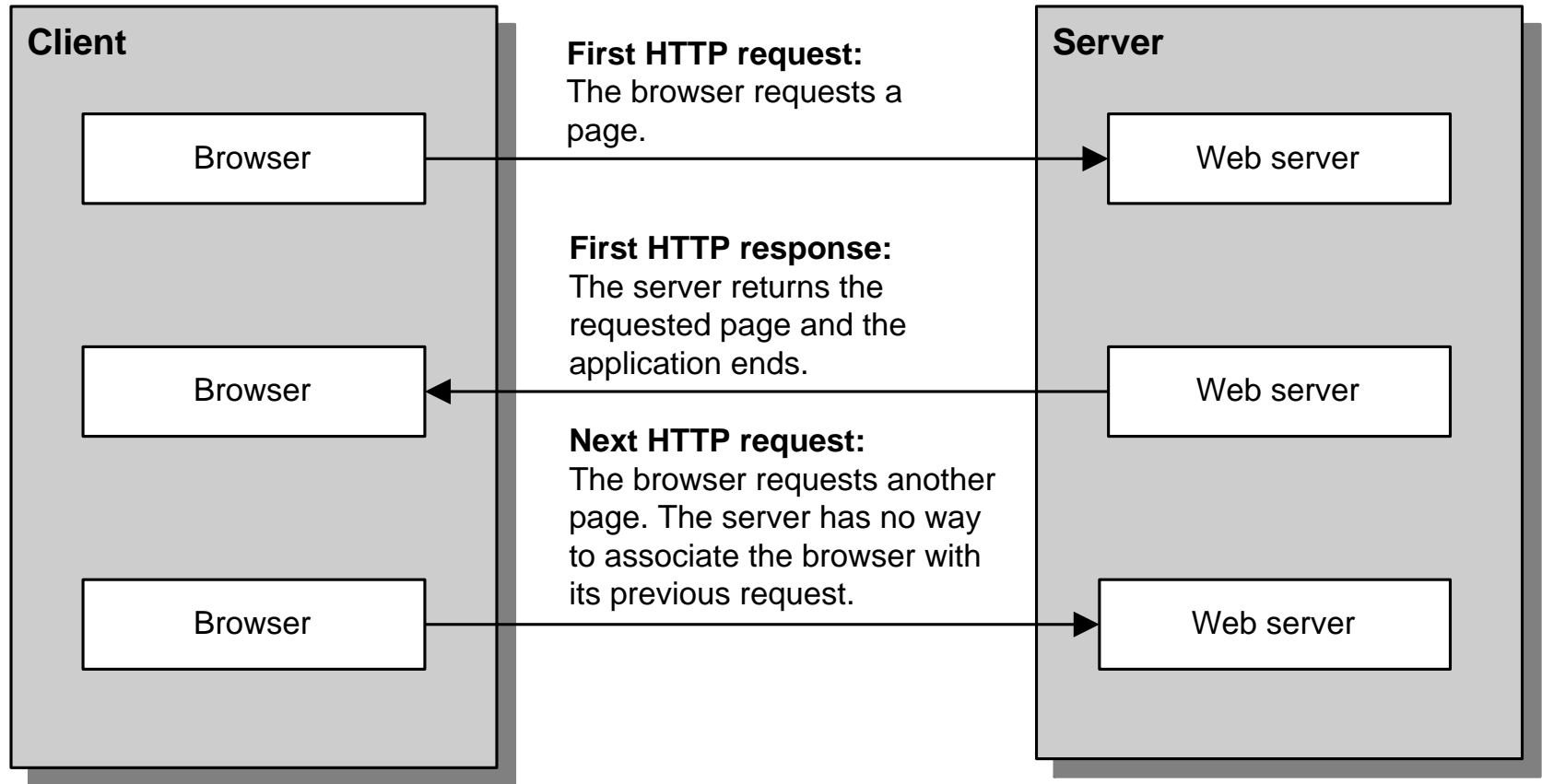
What IIS looks for by default when a URL doesn't include a file name

- Default.htm
- Default.asp
- index.htm
- iisstart.asp

IIS 7.0 also looks for these file names

- index.html
- default.aspx

Why state is difficult to track in web applications



State concepts

- State refers to the data maintained by an application for a single user.
- An application must maintain a separate state for each user.
- HTTP doesn't keep track of state between round trips so the web applications must.
- HTTP is a stateless protocol.