Server-Side & Client Side

What it means to develop with a SS language

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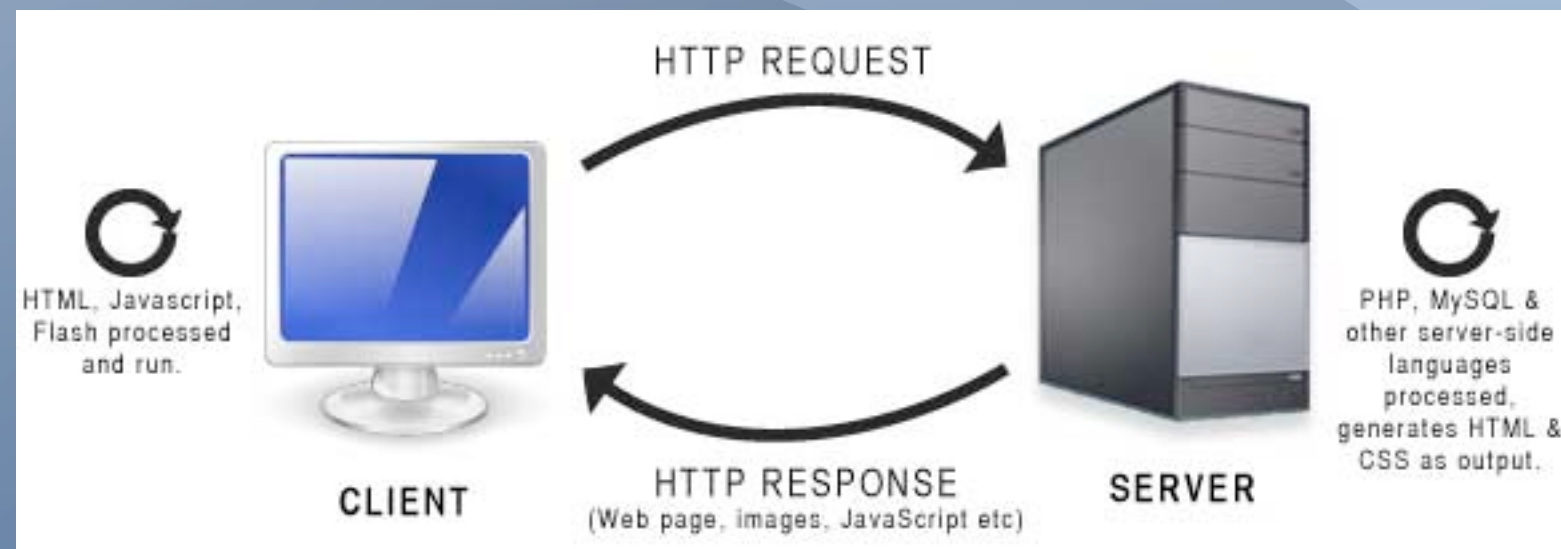# Basic Web Surfing

Where's your surf board?
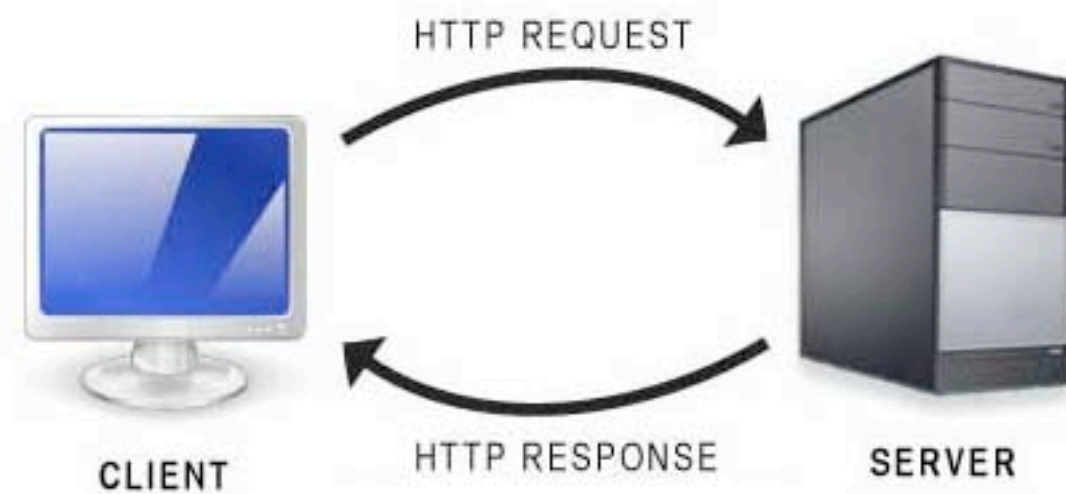
Server Side

How it works

- ◉ How it works:
  - – Client asks for page from server (request)
  - – Server processes code (interprets)
  - – Server sends code back to client (response)
  - – Client processes code for user (interprets)

Server Computer

You can setup a web server in your own home.
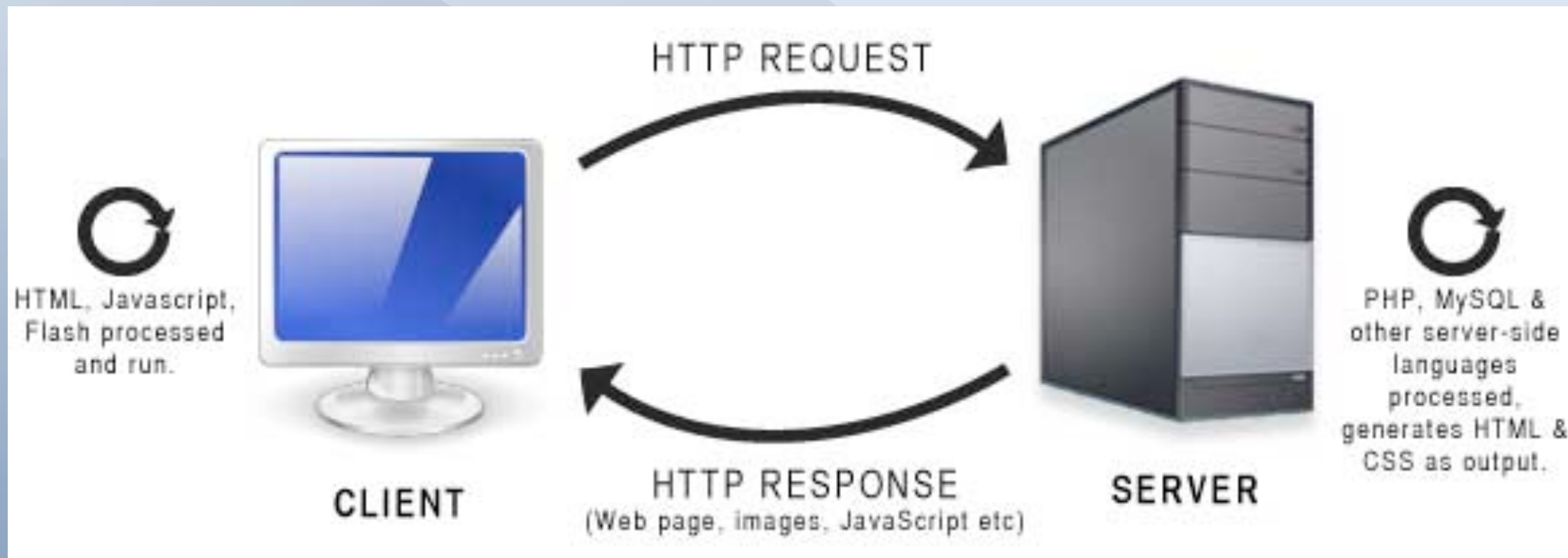
Server Computers

Server rack setup

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Client Side

Where's your surf board?

You don't "surf" the web... the web flows to you...

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Server Side

How it works

Client Side

What your web browser processes...

- ◉ Client Side technologies:

  - HTML/XHTML, CSS, JavaScript, Flash, ActionScript, Dart

- ◉ Interpreted by the browser (some exceptions like Flash and AS3)

- ◉ Essential for interactivity

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Server Side

What a server processes...

- Server Side technologies:
  - PHP, Python, Ruby, Perl, Java, ASP/ASP.net
  - interpreted by the server
- Works with client-side technologies

Design Patterns for Web Programming
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Server vs. Client Side

Fight!!

- Security with Server Side

  - Visible Code vs Invisible Code

  - Server gets code together and sends it off. So base code is invisible to client.

- Client-side Processing vs Server Side processing

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