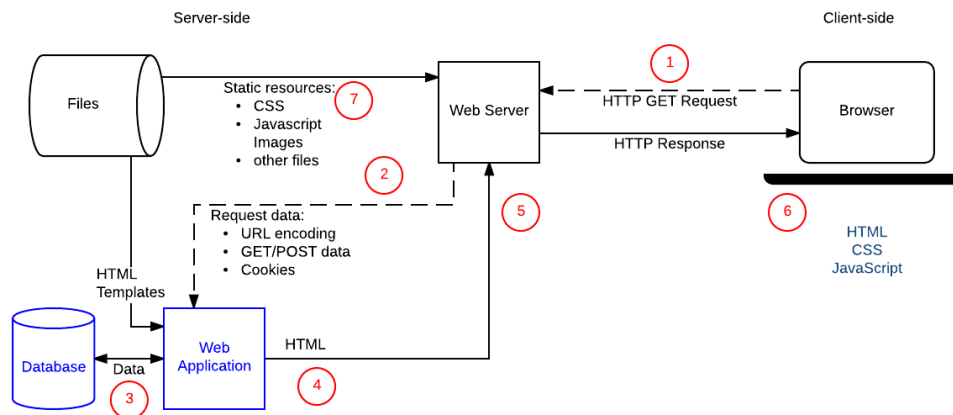# Web Applications

What is a web application?

A web application is a client-server computer program or software that runs on a web server and is accessed through a web browser. Examples of web applications that are utilized commonly include web-mail, online banking, and online retail sales.

Benefits

- No hard drive installations means web apps don't cause too many space limitations.
- If there are no browser compatibility issues, web apps are capable of running on multiple platforms.
- Web apps are accessible anywhere that has a web browser.
- Since information is stored on remote services, web apps offer high levels of security.
- Completely flexible and scalable to a business's growth and demands.

How do web applications work?

https://developer.mozilla.org/en-US/docs/Learn/Server-side/First_steps/Client-Server_overview

1. An HTTP GET request is created and sent to the Web Server in order to fetch data using the base URL.
2. The Web Server detects and forwards the dynamic request to the Web Application where the request will processed.
3. The Web Application processes request and retrieves the required information from the database.
4. An HTML page is generated by the Web Application with the data from the Database inside the placeholders of an HTML template.
5. The generated HTML is returned by the Web Application through the Web Server along with an HTTP status code.
6. The returned HTML is processed by the Web Browser and sends requests for static files that are referenced, such as images, CSS and JavaScript.
7. The static files are loaded by the Web Server from a file system and are returned to the browser

Career Information

There are many career opportunities in South Florida for developing web applications and tech companies are actively seeking highly-skilled and energetic Web Developers. The three types of Web Developers include Front-End Developers, Back-End Developers, and Full-Stack Developers.

A Day in the Life of a Web Developer

Build user interfaces and prototypes from wireframes and designs

Code and deploy applications in a cross-platform, cross-browser environment

Build products using HTML/CSS/JS

Update current websites to meet modern web standards

the balance

FAU Courses

COP 3813 - Introduction to Internet Computing

COP 4814 - Web Services

COP 4331 - Object Oriented Design and Programming

COP 4854 - Cutting-Edge Web Technologies

COP 6819 – Advanced Internet Systems

Related Companies

NETGAINS CONNECTING IT PERFECTLY

Boca Raton, FL

Netgains is a pioneer in Internet based applications including cutting edge design & development, providing a perfect one-stop-shop for their partners and clients worldwide.

https://www.netgains.org/

Duxlink Health Integration & Innovation

Sunrise, FL

Duxlink Health innovates and integrates technologies and clinical services to reduce preventable readmissions.

https://www.duxlinkhealth.com/about.html

GRUBBRR™

Boca Raton, FL

GRUBBRR is a technology company dedicated to providing businesses with the perfect ecosystem of products to maximize operational efficiency and ensure customer satisfaction.

https://grubbrr.com/