

WEB APPLICATION

Front End?

The frontend of a software program or website is everything with which the user interacts. From a user standpoint, the frontend is synonymous with the user interface. From a developer standpoint, it is the interface design and the programming that makes the interface function.

Front-end web development also known as client-side development is the practice of producing HTML, CSS and JavaScript for a website or Web Application so. The frontend is also called the presentation layer.

Back End?

Back end refers to parts of a computer application or a program's code that allow it to operate and that cannot be accessed by a user. ... The back end is also called the data access layer of software or hardware and includes any functionality that needs to be accessed and navigated to by digital means.

The back end of a website consists of a server, an application, and a database. A back-end developer builds and maintains the technology that powers those components which, together, enable the user-facing side of the website to even exist in the first place.

Frame Work? Why we need a Frame Work?

A framework, or software framework, is a platform for developing software applications. ... For example, a framework may include predefined classes and functions that can be used to process input, manage hardware devices, and interact with system software.

The purpose of framework is to allow designers and developers to focus on building a unique feature for their web based projects rather than re-inventing by coding. Framework is specially created to help you boost the performance and efficiency of your web app development task.

What is Database?

A database is an organized collection of structured information, or data, typically stored electronically in a computer system. A database is usually controlled by a database management system (DBMS). Most databases use structured query language (SQL) for writing and querying data.

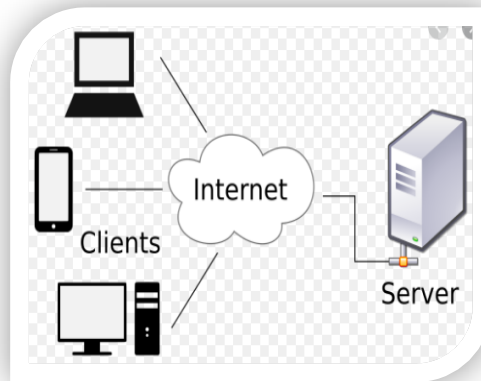
Why we need a Database? How we can connect to a database?

Databases support good data access because: Large volumes of data can be stored in one place. Multiple users can read and modify the data at the same time. Databases are searchable and sortable, so the data you need can be found quick and easily.

Pass the database details like Hostname, username, and the database password in the method call. The method returns the connection object.

Client Server Architecture?

The client-server model describes how a server provides resources and services to one or more clients. Examples of servers include web servers, mail servers, and file servers. Each of these servers provide resources to client devices, such as desktop computers, laptops, tablets, and smartphones.



How we can develop an application using python in both frontend and backend?

Front-end Web Development refers to building web interfaces, specifically the parts of the website that the user will interact with. When you're browsing the web, everything you see, from images and headings to sliders and buttons is made using HTML, CSS and JavaScript, the main components to any website.

Back-end Development refers to the parts of the website that a user doesn't see or directly interact with. The back end handles application logic, algorithms, database interaction and the processing of user requests. Python Web applications more User friendly by leveraging the power of both the Front-end and Back-end.