

Frontend vs Backend

Overview

Web Development is the development of a Website that can be static or dynamic. A static website is made purely using frontend technologies, exclusively HTML and CSS, whereas a dynamic website is much more advanced and includes developing both the frontend and backend of the website to serve the User's need on the internet.

Web Development includes the following process:

- Research
- Planning
- Design
- Development
 - **Frontend Development**
 - **Backend Development**
- Deploy
- Launch
- Maintenance

The frontend of a Website serves the client, i.e. the User Interface, whereas the backend of a Website supports the server, i.e., delivering relevant information to the User from the Database.

Frontend Development

The frontend of a Website is the visual representation that a user can see and interact with and is usually referred to as the client-side.

The Languages commonly used to develop the frontend are:

- HTML
- CSS
- Javascript
- Bootstrap/Tailwind (CSS Framework)

- Rails
- Spring
- Meteor

Backend Development gives the Website a Database to store relevant information to serve the User, helps in hosting the Website, handles the User requests and sends the appropriate response back to the User.



Real-Time Application Examples:

- **Netflix**
 - React with Node.js and Java
- **Paypal**
 - Angular with Node.js
- **Instagram**
 - PHP/ React Native with Django.
- **Airbnb**
 - React with Ruby on Rails
- **Amazon**
 - React/Angular with Java and MySQL