# Application Architecture

Java application architecture is a collection of frontend and backend Technologies.

Application architecture gives us a clarification that how the connection is established between the client and the server. It gives us an idea how frontend and backend will communicate and gives the output.

**Front end:**

It is a part of user Interface what user sees and interact with the web server or application. The front-end is built by using some languages are

HTML,CSS and JAVASCRIPT .

**HTML**: It is used to design the front-end of web pages using a markup language. HTML is a combination of Hypertext and Markup language.

**CSS**: Is used for styling of web pages that are created by using html.

**JAVASCRIPT**: it is programming language used to add more features to the application for easy interaction between user and interface.

Some of the frameworks used in the frontend are Angular js,React.js

**Angular Js:** Angular Js is a JavaScript open-source front-end framework that is mainly used to develop web application.it provides better ways for developing web applications.

**React.js**: It is a flexible JavaScript library for building user interfaces.it is a open source frontend library responsible only for the view layer of the application.

**Backend:**

 Users don’t see or interact directly with the backend but they are accessed through frontend. Java backend is a field of programming that involves developing the webserver and web applications.it manages data and ensures that front end working properly. This phase manages requests from the frontend, interacts with databases .

The back-end is built by using some languages which are

Java, python, node js and .net etc..

**Java**: It is widely used programming language and it works on different platforms .It is used to create web servers and web applications.

**Python**: Python is one of the most popular programming language known it is very simple and easy to use. Python is used in various fields like web development and AI .

**Node.js**: It is a java script based platformmainly used to web applications and chatting apps.

Some of the frameworks used in the Backend are spring and Django.

**DataBase:** A database is an organized collection of data stored in a computer system.

A databaseis a software used to manage data. Database refers to related data in a structured form.

There are many types of databases, including relational and NoSQL databases.

The database is where data is kept to be accessed by users via separate applications.

The type of database we use its depend on client and application needs to satisfy the user.

The database uses SQl because SQL allows you to interact with databases, retrieve data, modify data, create new tables, and perform various operations on the stored data.