

BACKEND:

any information to be stored is data.

DATA has size, occupies space as any physical object occupy space.

HOW TO MEASURE SIZE AND SPACE OCCUPIED BY DATA ?

measured in the units of byte and bytes.

1 BYTE = 8 BITS

1 KBYTE = 1024 BYTES

WHERE IS THE DATA STORED? HOW IS IT UPDATED?

backend

Database: makes it easy to deal with data(information)

- store
- organise
- access
- update etc.,

USER INTERFACE: user interacts with software through user interface.

API(APPLICATION PROGRAMMING INTERFACE): application interacts with each other through API.

> client communicates with server through API

CLOUD:

Refers to

- > Servers that are accessed over the internet
- > The softwares that run on those servers

On-demand availability of server system, of any size, over the internet at the click of a button from your computer

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URL: Uniform Resource Locator

browser understands HTML,CSS,JS

syntax: rules of language

BUG & DEBUG:

- > anything not exactly to desired outcome it means it has BUG.
- > process of fixing the BUG is DEBUGGING.

## DEBUGGING checklist:

- > HTML elements tag name
- > HTML elements closed properly or not
- > HTML attribute names and values
- > CSS property names and values
- > image element syntax
- > paragraph element syntax
- > heading element syntax

## TWEAKING the code:

Making small changes in the code to understand the software behaviour  
EX: changing colors, images, texts, etc.

## Key Takeaways:

- > Browser & URL - Must open any website
- > Syntax - Rules of the Language
  - ~ It's a small part of programming
- > Bug & Debugging - Making your code work
  - ~ Second important part of programming
- > Tweaking Code - Getting insights of code