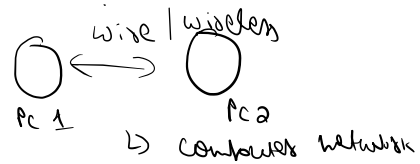GOURAV BUNDIWAL
└ Development
    Teaching
  offline   online

┌ ─ Interactive
│   ─ Engaged, productive
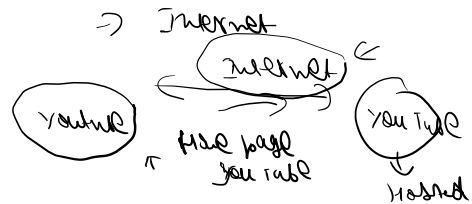│
└

Introduction class
    └ Course
    └ Technologies
        └ HTML

→ Internet ?
        wire | wireless
    ◯ ←→ ◯
   Pc 1   Pc 2
        └ computer network

Networks → Communicate each
                other
            saves files, images
                data

→ Internet
        ◯ Internet ◯
   ◯   ◯
  youtube   You Tube
        ↑ Hse page
            you tube
                Hosted

→ Internet is a network of
Communicated networks so that they
    can communicate.

Websites	Webapps
→ web only	→ web only
└ Browsers	→ browsers
→ static nature	→ Dynamic nature
→ changes do not happen frequently	→ Changes happens very heavenly
→ Wikipedia	→ Swizzy Amazon Zomato
→ Can't perform complex operations	→ perform complex operations

Full Stack Development

It is an end to end development of any website or webapps.
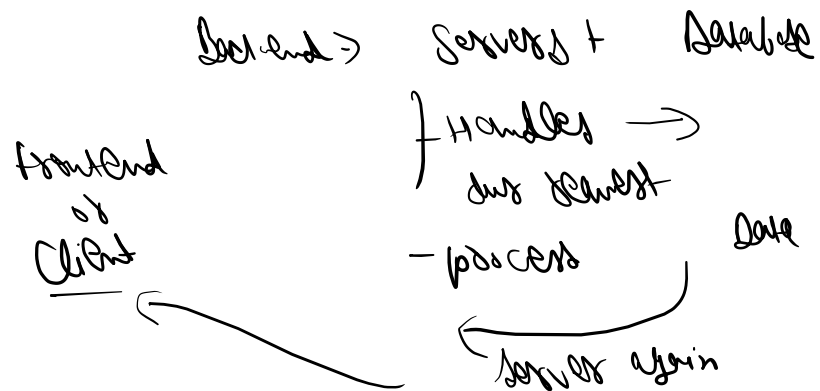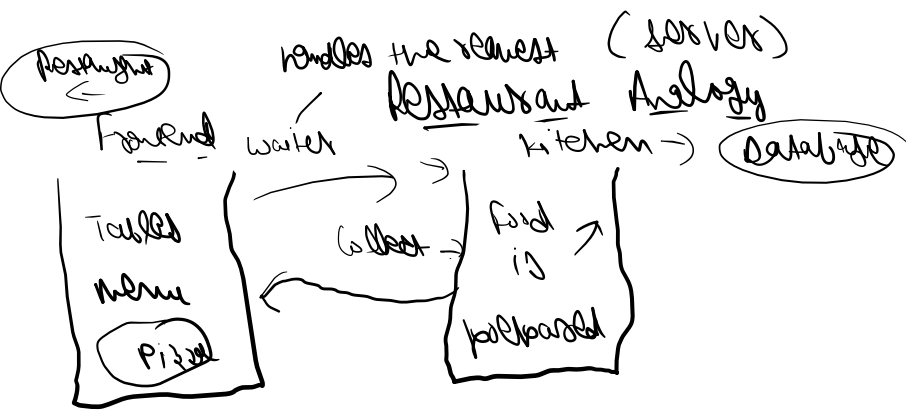
```
    Frontend          Backend
```
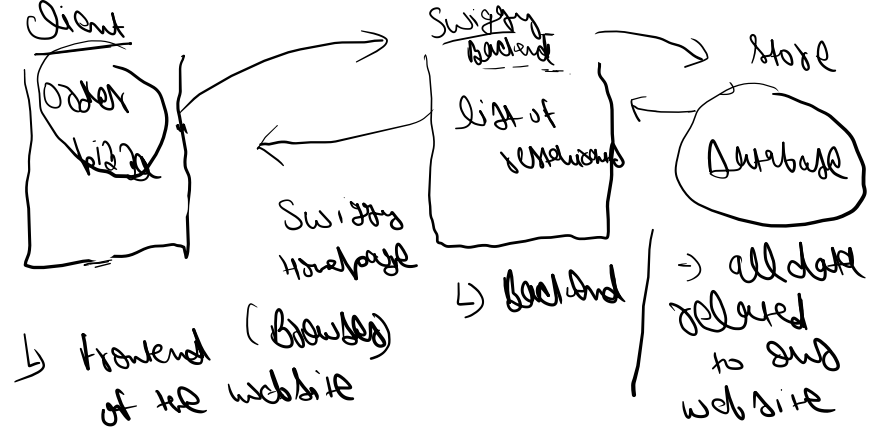
→ Frontend — which is visible to website users. Through frontend our users will interact with our website.

→ Backend — anything which is happening behind the scenes.

$$(Server + Database)$$

⇒ Anyone who possess good knowledge related to both frontend & backend we call it is a full stack developer.

→ A full " " " can easily manages the websites or webapps End to End.

Client

Order
Pizza

Swiggy
Backend

list of
restaurants

→ Store

Database

Swiggy
Homepage

↳ Backend

→ all data
related
to our
website

↳ Frontend (Browser)
of the website

handles the request (Server)

Restaurant   Restaurant Analogy

Frontend   waiter   kitchen →   Database

Tables

menu

Pizza

Collect →   food
is
packaged

Backend → Servers + Database

Frontend
or
Client

} Handles →
our request

— process

Data

Server again

Client Server Architecture

V-s Code

→ IDE (Integrated development envt.)

→ Envt. we can code.

→ Extension Support

→ Easy to code, easy to debug

→ Emmet abbreviations

→ Supports multiple programming languages.

HTML

→ HyperText Markup language
→ Usecase
         ↳ structure of website

→ Content of our webpage
        will be displayed on
        the browser.

HTML
      ╱   ╲
   Tags   Attributes

Tags
→ Tags are building blocks of the
web-page

        Opening tag   Closing tag

        → P tag
        → Heading Tag (h1 - h6)
                         h2 h3 h4, h5

Tags → image
                  [b, b, b3]

        ┌─────────────────┐
        │   main-section   │
        │ (Paragraph)   │
        │   b   │
        └─────────────────┘

        ┌─────────────────┐
        │ footer Button   │
        └─────────────────┘

→ Attributes → They hold something
   extra information that are
            required by the tags.
            img tag
               ↳ (link) source
            src → attribute
                           path

→ we create a html file
        Template → Boiler plate
            or
        format
    Document type
→ Doctype html → It relys the
            browser which HTML
            version that page
                    is having
                              root
→ html Tag → root element or tag
                ↳ of whole html page
                → Container for all tags.

html
- head
- body

Head => meta data & title of our page.
→ the content is not visible to users.

Body => whatever we put inside tag that will be visible to users.

→ meta Data => meta means information
→ providing some information only to Browser
→ That information will be some basic information browser needs about that page.