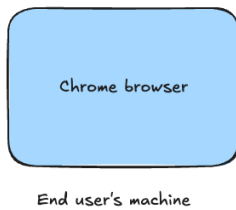
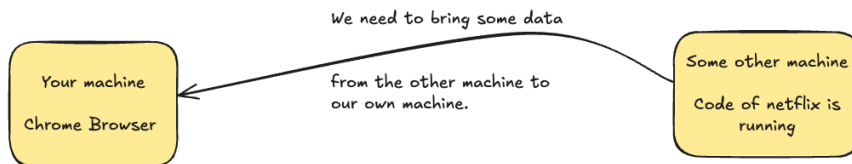


Focus more on the backend side of things

Delicious

- agenda: What happens when we do www.yahoo.com ?

1. The users of most of the applications, can exist anywhere in the world.
2. Not all softwares are going to run locally on your machine.



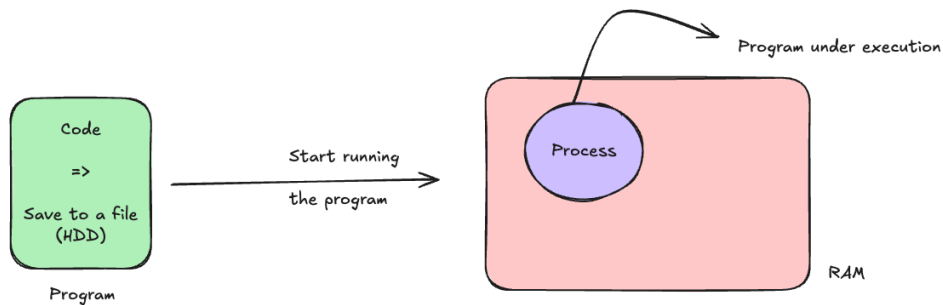
Client Server Architecture

What is a client ?

--> Client is any process running on some machine which is capable of raising a request.

What is a server ?

--> Server is any process running on some machine which is capable of accepting a request, process it and then send the response of the request back to the caller.



Examples of client

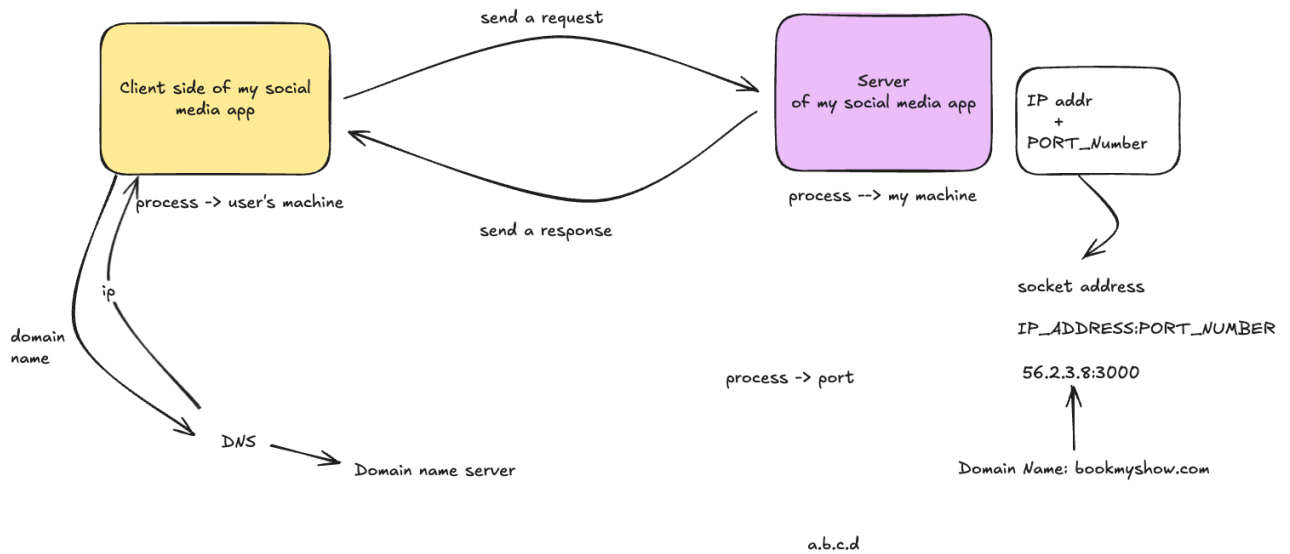
1. Zomato application on your mobile phone
2. Facebook app running on your browser

raise a req
HDFS Rank



Examples of server

1. Processes of icici bank who are processing our loan deduction request are servers
2. Zomato must be owning a lot of machine where processes are running to facilitate request raised by diff clients.



computer networks

Internet -> network of computer networks

AWS ----> Ec2 -> Spin up -> IP Addr, shut it down -> restart -> IP Addr

M1 Pro =====> M4 Pro =====> More powerful machine

Vertical Scaling -> Improving power of your existing machines

Horizontal Scaling -> Deploying multiple machines to distribute the load is referred as horizontal scaling



