

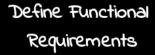


Summarise functional requirements you are able to understand



Suggest other functional requirements you can think are important

very Important, as this gives interviewer an idea that you can extend a requirement





Ask if there specific functional requirement interviewer is interested in?

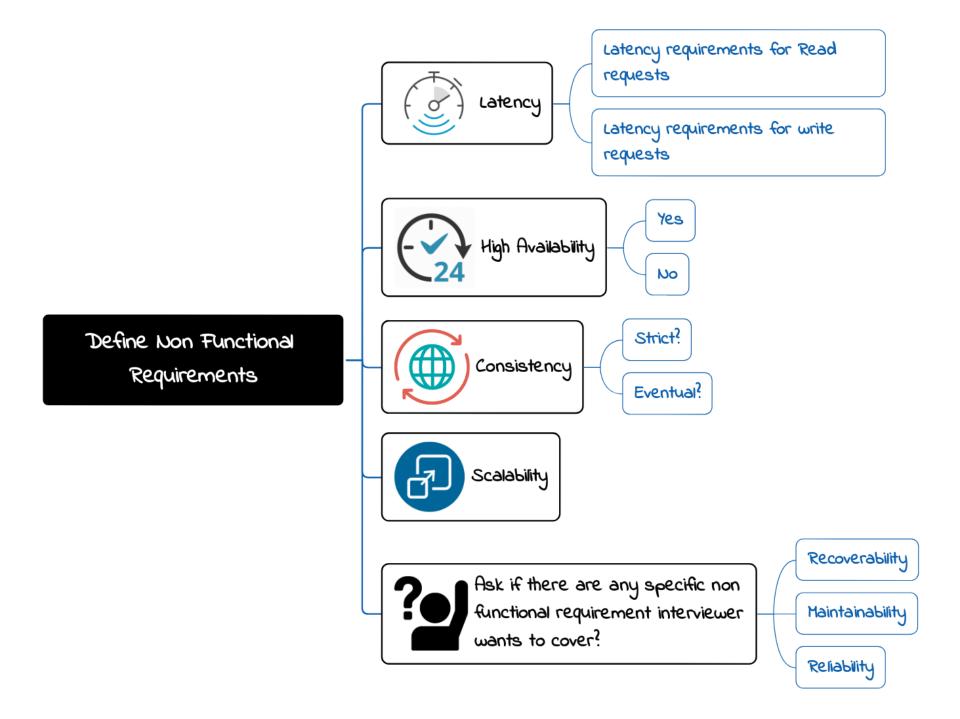
Confirming things are very good, it makes interviewer feels part of the problem and indicates your collaborative behaviour

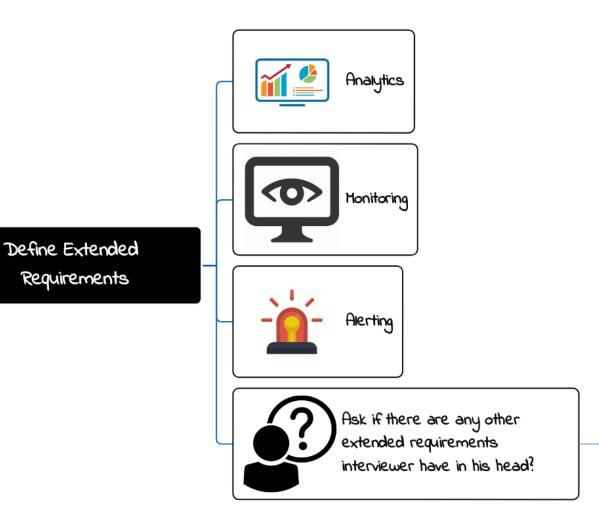


Prioritise: Suggest priority of requirements according to you and confirm if interviewer agrees with it

Again very important, as this gives interviewer an idea that you can set priority of your tasks.

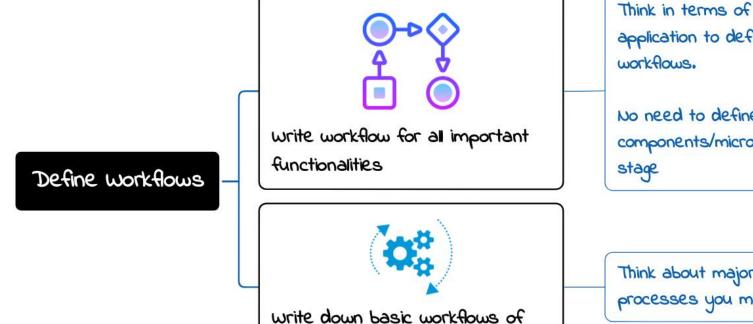
Note: Confirmation





Requirements

Like I told you earlier, don't forget to ask :)



background processes

Think in terms of user using your application to define your

No need to define application components/microservices at this

Think about major background processes you may need



Traffic Estimates

Ask for total users expected?

Ask for total Read Requests?

Ask for total write Requests?



Derive Storage Estimates





Derive Bandwidth Estimates



Derive Cache Memory Estimates

Consider which data you will cache

Consider how much data you will keep in cache



Ask interviewer first if he/she needs this, or tell him/her that we can do this estimation at end

Define System APIs

Define system APIs

Define major system APIs

Operation Name

Input Parameters

Output Parameters

H RESTRU API then define GET,

PUT, POST, DELETE or PATCH



Different components or Microservices Follow your workflow and think about different services/components which are required



Consider which component will have which type of database and do remember CAP theorem

Distributed DB

RDBMS

Search specific datastore

Define major components



Add caches above DB wherever required

Remember you do not have to put cache over all DB.

You can always ask interviewer that you will add cache components at the end



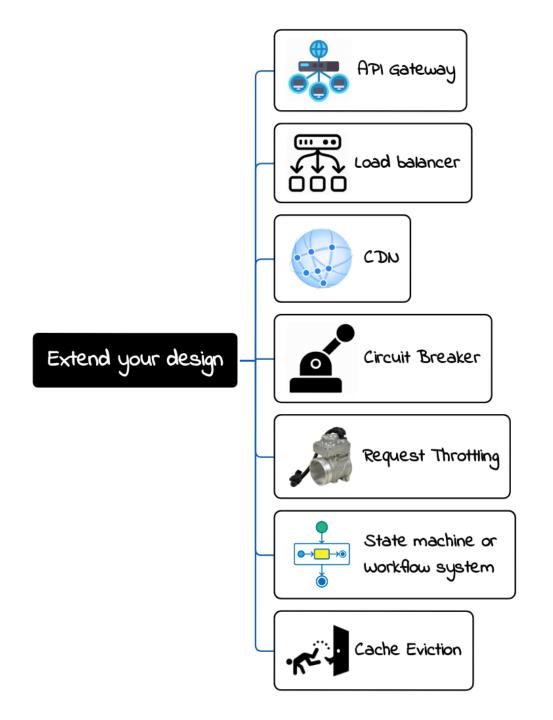
Consider how different components will interact

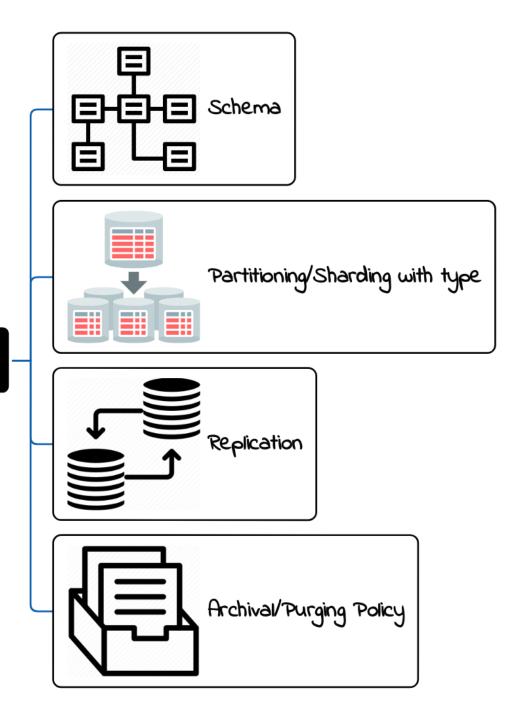
via REST API

via Messaging Bus

via websockets

via Messaging bus





Database details

