the secquires of database preside is softward to
at Configure the and points that people our connecting to
thigh level > Deploying on scrivers -> figuring out howd system will intract with other
potto Ation Landri Color Color Color Salis Salis Color South Othor
Low level design > how level eighten has a lot more to do with how you are actually going to code Eg making classes, making objects, functions, signatures Afton to write efficient code and clean code
you are actually going to code
Eg making classes, making objects, functions, signatures
of How to write efficient code and clean code
DD Con II was a land on the land of the la
System Design Basic: Honizontal Vs Verticle Scaling 28/01/2025
REQUEST SERVER CODE
RESPONSE CODE
If to stone you calcount this - Do a sumost togen to their desires
Imagine you have a computer with you in which we have written an
algo lithin state and hair sugartees to all applicable for the level
Some code is veenning in the computer
code (function) - Jakus Proput - Gives Output
restrand articles and and (Response)

Compeople look to the code of find it useful for them w region of Page No.:

Date:

Determine the code

We cannot give our computer to other

Charles and the code of the code L'Expose our code using some fonoto cou eg Internet

L'Expose the code using API (Application Prooproummake Interface) be send veguest and we get a response U zgodzi M Ys Setting Up A comparer world thing 4 17 It requires a database connected to desktop at Configure the end points that people one connecting to he cannot afford it source goes down (Peoples paying money for you) Desktop Vs Cloud Jour own 1 you for money but some body browides of computer to an end of ANS Amazon web Service if we pay AWS they will provide you computation power A desktop that they have somewhole which can vun your Algo A 10 stone you valgonithm -> Do a viemote login to their destrop Cloud > Set of desktops/set of computers that can use to sun your A Reason we would do this because the configuration, the settings,
the vieliability can the taken care by the solution providers

K Now we have server Hosted on a cloud, that is basically some computer that we don't know about. Buisness : Requirements: Trult- 1/4 and 21 monthora stars 120 17 There are a lots of beoble who are using our algorithm mow is not able to handle all of these connections. # 11 thave is Finansaction Buy A Bigger Machine Buying More Machines (Hoxizontal Scalling) of The ability to handle more request by buying more machine du buying biggen machine is called skability D 1) Buy Bigger Machine -> compater will be torigor Le It can fonocess request faster 4 This is called VERTICAL SCALING & Buying More Machines -> It means verquest can fallon any one of the machine and it will be brocessed. Ly Because of them, the request can the randomly distributed amongst the machines that you have just bought I this is called Hodisontal Scalling.

If with these of ways we can increase the scallability of the system. A Scalbbility is being able to chande more requests.
Horizontal scalling Verticle Scalling Y Load Balancer Required 14 NA 14 Load Balance Required at Single point of failure If I am machine falls we can re route 3/ Fast -> Into process communica The Desquest to other one RESILIENT? 34 Slow + All the communication is position to the communication is but ween the source will be over network RPC -> REMOTE PROCEDURE CALLS (Show)

