What is a server?
Ans: A server is known as a system program or software application, it provides services to other software applications or users known as clients. Servers are designed to handle requests from clients process them, and return the requested data or perform the assigned tasks.

What is the role of a domain name:
Ans: Domain name mapped the human-readable hostname to its corresponding IP address in the domain name system record.

What type of DNS record www is in www.foobar.com?
Ans: www is a subdomain, so CNAME record maps the www subdomain to the domain of the website because

What is the role of the web server?
Ans: The web server handles the HTTP protocol or request. It deals with sending back HTML for display in the web browser

What is the role of the Application Server?
Ans: An application server provides access to business logic such as transaction management and security protection for use by client application programs.

What is the role of the database?
Ans: The role of the database is to store structured data in an organized and efficient manner for easy update, deletion, manipulation, and retrieval.

What is the server using to communicate with the computer of the user requesting the website?
Ans: The server is using HyperText Transfer Protocol(not secure) to communicate with the client

You must be able to explain what the issues are with this infrastructure:

SPOF - This means that if any critical or nonredundant part of the system such as the domain name system or HTTP fails, it will cause the entire system to fail.

Downtime when maintenance is needed:
Ans: During the deployment of codes or maintenance of the website, it requires restarting the system which may likely cause the website to be temporarily unavailable leading to downtime for the user.