* Posts content

steps involved in creating 1. Explain—the varfous steps involved in creating a grocery e-commerce website using systems development lifecycle.

A: Broject Planning:

Create a detailed project plan, including -timelines, budgets, resource allocation and risk assessment system Design:

Create the architecture and design of the website, including database design, usor interaces and security measures. Decide on the technology stack and there party integrallons.

Building the system:

efficient graphics Develop the grocery e-commerce website according to the design specifications. Write the code for frontend and back-end components. segregating compiler services to perform gritist

Conduct various testing phases, such as unit testing, integration, testing and user acceptance testing, to identify and fix defects and ensure the website functions correctly. Page Dellichy:

Deployment:

Deploy the website on a production servor or cloud infrastructure. Configure domain names, web servers and security so measures. The security

moreofing load loadwidth.

2. Explain - the factors in website optimization. A: The optimization of website performance is more complicated than it seems and knowlvers atleast three factors: · Page Content Page generation and page delivery timelines budgels. resource System Design · Page Content: > Using efficient styles and techniques for page design and content can reduce response times double by two to the seconds. sample steps include reducing unnecessary HTML comments and white space using more efficient graphics. Devilop the gracety e-com · Page generation: Page generation speed can sibe menhanced by segregating computer services to perform delicated to perform dedicated functions reduces to perform accurate than 50%. Page Delivery: This can she sped by using edge-caching services like Akamai or specialized content delivery networks such as Real Networks or by moreasing local bandwidth.

- 3. How to build I host e-commerce website? Describe how owning or outsourcing a website will benefit with suitable example. A: Diplamning: two forms latted Usin south and) Planning:

 Define your riche and target audience. -> set clear business objectives and goals. th) Domatin and Hosting: Britison suit 1000 -> Register a domain name that reflects your -> Choose a reliable hosting provider. on me Platform selection: Items a new way it Choose an e-commerce platform like shopify, Woo Commerce. Magento or custom development in) Design and Development : → Design a user-friendly, visually appealing website with clear navigation. 7 Ensure mobile responstiveness. Svijiogx 1 (iv) Content orealion:) ant win quit me way -> Create high - quality Product descriptions 2 Time - swing. fmages and videos. vi) Security and Payment Integration. on cere business -> Implement robust security measures to protect Customer data. ME) Testing is to a speciment bounded between the
 - > Thoroughly test the website for functionality performance and security.

Ownerg a Website:

1. Control:

You have full control over your website's design, content and functionality.

2- Cost - efficiency:

Over time, owning your website can be more cost effective than outsowicing, as you don't used to pay ongoing service fees. · tomat

3. Exampleing prison addition to 2 1000

If you own a small online craft store and ward maintain or unique brand mage with e frequent updates tous your product offerings owning your websites gives you the flexebility to do. so without relying on external agencies.
Outsourcing a website: a website: ingran navigation of the

1. Expertive: . resumberragion shown screens to

You am tap into the expertise of professional web developers designers and marketers.

2. Thre-saving: / south box sports

Outsourcing frees up your time to focus on core business adivities. Implement robust security susception

3- Example:

Suppose you run a buy online fashion store with timited technical knowledge, outsourcing your wassites development and maintenance to a referringes and security.

specialized e-commerce agency ensures that your ste runs smoothly stays secure.

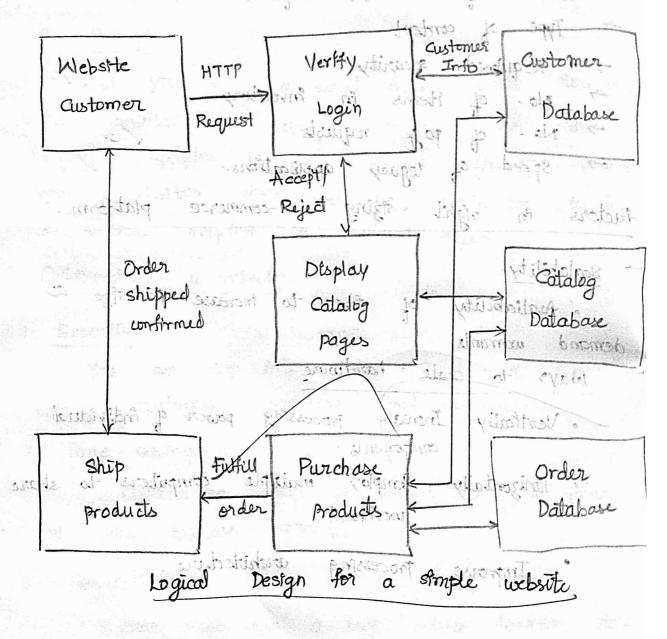
H. Discuss about right - singing the hardware Hattern. Customen demand: A: Uscome some some start factor affecting speed of ste. Factors in overall demand: No. of smutteneous cisers in peak periods. -> Nature of customer requests. > Type of content. -> Required security -> No. of Items in invertory -> No - of page requests. -> Speed of legacy applications. Factors on right -sizing e-commerce platform. -> Scalability: . Avaliability of site to increase in size as demand womants. 7 Ways to scale hardwore: · Vertically: Increase processing power of individual components. · Horizontally: Employ multiple computers to share workload.

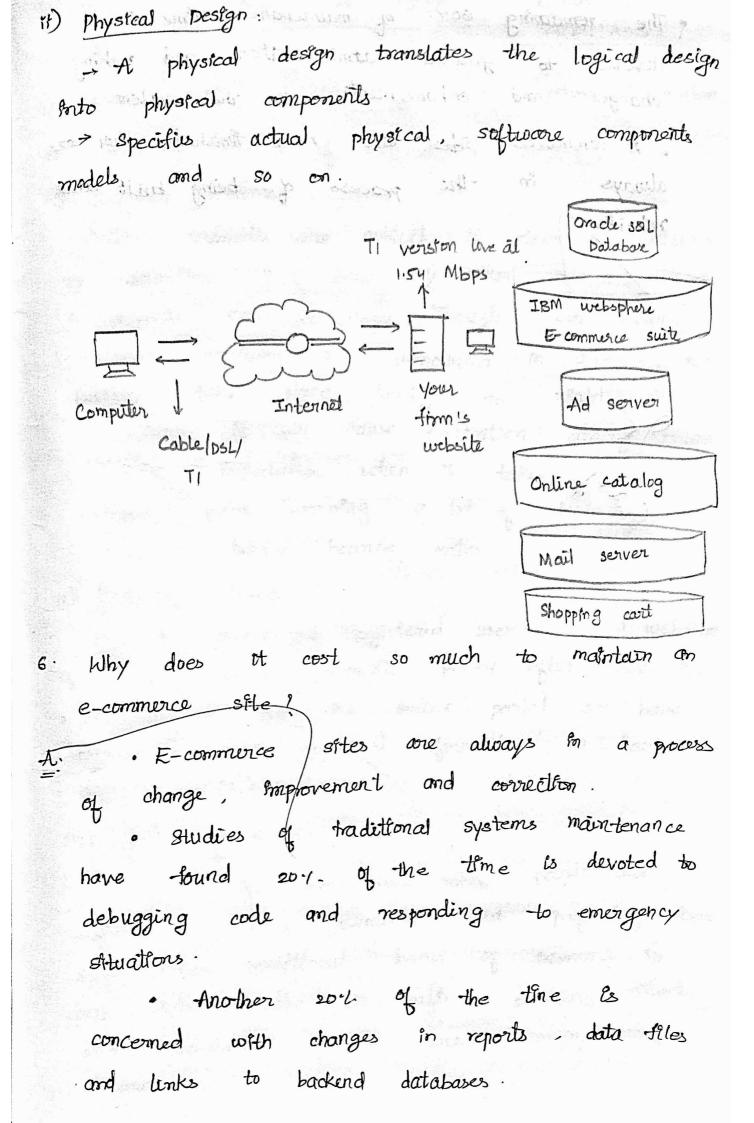
Improve processing anchitecture.

5. Explain types of system design with neat states -A: Two components of system design are: Think - their than our

Design:

A logical design involves a data flow diagram that describes the flow of information at your e-commerce. The processing functions that must be performed and the databases that will be used. Janger syndem & with





· The remaining 60% of maintenance time is devoted to general administration and making changes and enhancements to the system · E-communce sites ore nver finished hay or always En -the process of being built and rebuilt, of cost so much ी द्वारा या वर्ष of change important and consolved · studies of traditional systems munitioner is milt sent to the punch show Finished see pub spoo Bushinger wolfout ing. on to has empout although all opensis Him and larks to hadrend dataloses