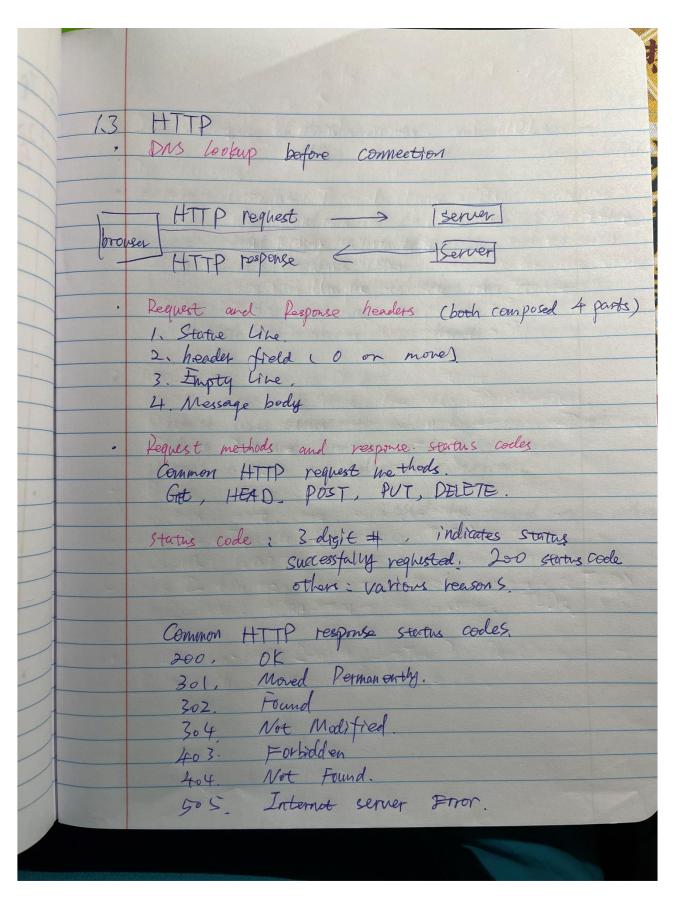
Chapter 1. Introducing the Lotomet and Web Technologies.
. 1 Web History.
Internet And Web
. Computers in 1940s and 1950s were solitary.
1960s evolved.
. The Interest began as four networked congreters in 1969. Downants were plain text: no image, no formatting and no interaction
and no interaction
. FTP (File Transfer Protocol) was an early way Too
early nay for transfer file's over the internet.
10000 "In/ 11 11/100 Med involved?
1. Text File, known as HTML files, containing links to
other text file.
2. A program known as browser, for viewing HTML till 3. A set of rules, known as the HTTP protocol, for
3. A sot of rules, known as the HITT from
transferring of the sorra web pages to med browsers
HTML: (Hyperfext markup language)
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
hyperfort: text that has links to other text hyperfort: text that has links to other text
today is also to provide additional
markup: special mankings in administ, formatting, and image. information about links, formatting, and image.
11 Tust 1 Darmits adding theather of
author information, and Language.
Neb VS. Interhet. Today, much of the laternet troffic is neb traffic

Zylooks practice said 1920 1991/8/1 First Website · Browser wars and HTML Standardization Web brouser: a program that dounlands an ATML documents from a neb server display it to user with appropriate formatting, interact with it clicking Hyperlinks.) Web browser use HTML 1990 lst neb browser 1995-2002 1St Brouser War IB wins 2004-2013 2nd Browser War Chrome wing W3C (World Wide Web Consortium) : The international standards organization WHATWG Web Hypertent Application Technology
Working Goroup?
HTML I standard published 2014 Separation of duties HTML defines the structure and content of a like page. CSS: Specifies the layout and visible appearance.

Java Script: de scribes the clynamic behaviors and actions of a web page.

		Committee of the second of the
	12	Ip addresses, domain names, and URLS
	•	Ip addresses
		Packet: contains to and From IP addresses.
		the information to communicate, and other
		Configuration information.
		LP address (Internet Protocol address) Computer Unique address on Internet
		IPV4 32-bit addresses represent 232
		IPV6 128-bit addresses, represent 2128
	,	Day ' - 1 Days
		Domain mames and DNS
		Domain name: A name for an IP address DNS server: Convert domain name to an IP address
		DNS (Domain Name System)
_		Com, not, org, gov, edu.
_		12 Top-Level domains (TLD).
		uk, on, -tu
		D Country code top-level domain (CCTLD)
		JCANN: Organization—that manages TLDS
	,	URL (Uni form Resource Locator): The Location of
		a nep resource on the nep.
1		
//		
/		



URL shortening: technique to create shorter URLs that redirect to longer URLs Browser caching brouser cache: An area on compter's drsk where neb contact can be stored by the neb bronser for quick retrieval later. Entity tag (ETag): An identifien for a specific version of a web resource.
It with It - None - Match header. HTTPS HTTPS MS TLS (Transport Layer Security). which uses asymmetric public keys to energipt data between bronser and Web server HTTPS acquire a digital certificate i sshed by trusted configure anthority 14 Web trends Web brouser market share continues to changes. Mobile desices are replacing desktop computers on the nab Developens of mobile - friendly new pages need to Consider the following:

(Screen size: much more smaller than computer. Load speed: May have limit or slower Internet connectivity. Darke speed: Limit memory and CPU speed means mobite bronsers are not as Battery Lofe: Constandy runs Java Script, will drain frequently loads data battery fester. Interface ! touch not mouse 10T: The Internet of Things.
LoT: The global collection of communicating decrees
that sense and control technologies on behalf of humans Lot deutees for more of the following characteristics: 1. Gather information about the physical world using Sensors (temperature, idiage, image) 2. Share the sonsor data with control system. 3 Interact with hardware to execute commands sent by control systems. Epeople using app or unbjuge control Int devices

Web accessibility Cognitive computing and big data intelligence Cognitive computing: Is the use of artificial intelligence techniques and access to not amounts of data to simulate human problem solving in complex situations with ambiguity, changing Separation of concerns conflicting information. Separation of concerns: The design principle of broaking up web content using distinct languages and documents that overlap as little as possible. Three Key Languages.

HTML: Language that describes page content.

CS: Language that describes page layout.

Java Script: Language that provides interactive functionality.

