Web Application Development Assignment No. 3 (a)

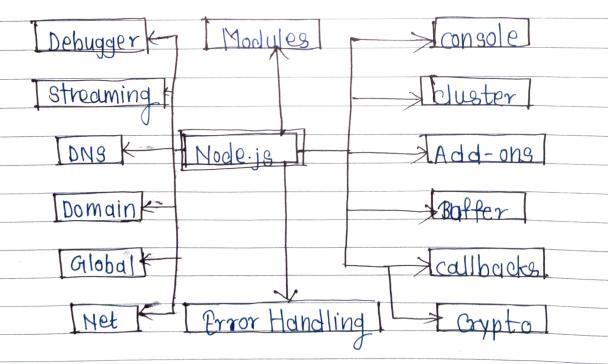


Aim:
<u>Create a Node Is application which serves a</u>

static website.

Theory:-

Node Js is an open source feat environment Node Js is a server-side platform built on Google Chrome's Javascript Engine (V8 engine), Node js uses an event-driven, non-blocking I/o model that makes it lightweight and Jefficient, perfect for data-intensive real time applications that run across distributed devices.



Node js is an open source cross platform runtime environment for developing server-side and networking applications.



features of Node js >

Node is = Runtime Environment + Java8cript Library

All APIs of Node is library are assentially means a Mode is based server never waits for an API to return data.

ii) very fast: =>
Being built on Google's chrome's V8

javascript Engine, Node is library 18 very

Past in code execution.

iii) No Buffering > Node is applications never buffer any data. These applications simply output the data in chunks.

iv) License > Node js is released under the MIT license.

v) Single Thread but Highly scalable.



_	
	Advantages of Node js =>
	i) High performance for Real time applications
_	ii) tasy salability for modern applications
	II) cost - effective with full stack J3.
	iv) community support to simplify development
	y early to learn and quick to adopt.
	vi) Helps in building cross-functional platform vii) improves App Response Time & Boosts
-	vii) improves App Response Time & Boosts
-	pertormance.
	viii) Reduces loading Time by quick caching ix) Reduces time-to - Market of your applications
	ix) Reduces time-to - Harket of your applications
-	
1	Disadvantages of Node-js=>
-	is Poduce postacionalina wilder handling Hedyy
	i) Reduces performance when handling Hedry
	computing task. ii) Node je invites a lot of code changes
_	AloT

due to unstable API makes it difficult to maintain code.

In High demand with a few experienced

Node is developers.

V) Choose wisely - lack of library support can makes it

Endanger your code.

Conclusion > Thus in this we created Node is application which serves a static website.