Website

- What is a Website ?
  - It is a collection of interconnected webpages that shares a single domain name and stored in a web servcer. These websites are created for various purposes like selling products online or information to users about a business or service.
- What are webpages?
  - A webpage is a HTML(HyperText markp Language) document that is stored on a webserver and accessable to the internet users. Every webpage has a unique URL and we also call it as permalinks.
- Types of webpages?
  - Static
    - Simple website, with less content. The Layout and design will be constant for every user.
  - Dynamic
    - The layout of the webpages are same but the content is different accordin gto the user previous actions.
  - Ecommerce
    - It's a webage which enables an option to add to art or buy now (Product pages)
- What is a Domain?
  - Its the name of a website and it is also a virtual address for your website. The domain is seperated by dots. This seperated domains we call it as TLD (Top Level Domains). CSD's (Country specific domains) and subdomains.
  - Domain Extentions
    - Top-:Level Domain extensions
      - ac.in,.org, .com, .net
    - Country specific domain extentions
      - .in, .uk, .ae, .us
    - Subdomains
      - drive.google.com, mail.google.com
- What is webserver?
  - It's a combination of Hardware and software which can be accessible to the devices which are connected to Internet using HTTP and HTTPS which is a Secured environment, with SSL *Secure Socket Layer certificate.
- What is hosting?
  - Web hosting is a service which is provided by the web server companies to business and website owners. Web hosting has different plans and the web hosting providers also provide additional services like support, confifugre and manage the web servers.
- Types of Hosting?
  - Shared Hosting
  - Dedicated Hosting
  - VPS (Virtual Private Servers) Hosting
  - Cloud Hosting
  - Managed Wordpress Hosting
  - Reseller Hosting
- What is Domain Mapping?
  - Domain Mapping is the process of connecting a domain name to a web-hosting server.
  - We use Domain Mapping if we have purchased a domain from one service provider and hosting it into another service provider or in rare cases we use Domain mapping even when we purchase the domain and hosting from the same service provider.
- What is WordPress?
  - WordPress is a free open source content management system (CMS) that allows users to create and manage websites, blogs and other web content.
  - Wordpress can be used to create a wide range of websites including..
    - Business Websites
    - News Sites
    - E-Commerce Sites
    - E-Learning Sites
    - Membership Sites
    - Forums
    - Portfolio Sites
- Step by Step guide to build a website in WordPress
  - 1. Purchase a Domain & Hosting from a service provider
    - Domain Name
    - Hosting Plan
    - Servicer Provider
  - 2. KYC & Email Verification Process
    - https://globehost.com/kyc/
  - 3. Domain Mapping (If required)
    - (In other service providers, domain mapping is automatically done)
  - 4. Install SSL Certificate (If not installed)
    - Contact the support team if it is not done, ask for free SSL certificate.
  - 5. Install Wordpress on our web hosting
    - 1. Login to your hosting/ globalhost account
    - 2. Login to Cpanel from globehost
    - 3. Find and select Section software and wordpress by softelecous
    - 4. Click on Install
    - 5. Enter admin account details (Username, password, email ID)
    - 6. Uncheck every plug in expect with SMTP
    - 7. Click on Install
  - 6. Login to Wordpress Dashboard
    - 1. Login from Cpanel
    - 2. Login using Admin URL *domain.com/wp-admin/
  - 7. Basic Settings
    - General
      - Site Name, Tagline, Site Icon, Time Zone
    - Permalinks
      - Change the URL structure to postname if it is not selected by default
  - 8. Install & Activate required Plugins
    - Elementor, Contact Form 7
  - 9. Install & Activate a Theme
    - Theme - Astra/Blocksy
      - Install, Blocksy Companion as well
  - 10. Create Pages
    - Home, About, Blog, Contact, Services
  - 11. Create a Navigation Menu
    - Primary Menu, Secondary Menu, Sub-Menus
  - 12. Customize Header of a Website
  - 13. Customize Footer of a Website
  - 14. Design the Webpages
  - 15. Creating contact form and placing on a contact page
  - 16. Integrate Whatsapp chat with website
    - Install Plugin "Chaty" and activate it
      - create a widget in Chaty options in wordpress dashboard
  - 17. Integrate Live Chat with Website
  - 18. E-Commerce functionalities
    - Setup Online Store
    - Add Products
    - Intregrate Payment Gateway
    - Add Categories
    - Create Coupons
- Structure of a Website
  - Header
    - Top/Above header
    - Main/Primary header
    - Below/Bottom header
  - Header variations
    - General
    - Transparent
    - Sticky
  - Structure of header
    - It wil have 3 Columns
  - Structure of columns in header
    - Collection of elements like Logo, Navigation Menu, Bottons and Search Icon, Social Media Icons
  - Structure of Body/WebPage
    - Structure of Webpage
      - Collection of Sections
    - Structure of sections
      - Collection of rows/columns
    - Structure of Rows/Columns
      - Collection of Elements like heading, text, buttons, images, videos, icons
  - Footer
    - Types
      - Top Footer
      - Main Footer
      - Below Footer
    - It will have 3 Columns

Dashboard

- Globehost — Domain
- Cpanel — Webhosting
- Wordpress — Website
- Elementor — Webpages

Pattern of Designing and developing a website

- Select/Add > Edit > Style/ Design > Publish