What is web application development?

Website

- Website is a collection of related network web resources, such as web pages, multimedia content, which are typically identified with a common domain name, and published on at least one web server.

- Examples of websites are google.com, amazon.com, mysirg.com, facebook.com, etc.

- Websites can be accessed via a public internet protocol network, such as internet, or a private local area network, by a uniform resource locator (URL) that identifies the site.

- In Django terms, website is a collection of one or more apps.

Web pages

- Web pages, which are the building blocks of websites, are documents, typically composed in plain text with formatting instructions of Hypertext Markup Language (HTML)

- They may incorporate elements from other websites with suitable markup anchors.

- Web pages are accessed and transported with the Hypertext Transfer Protocol (HTTP), which may optionally employ encryption HTTP Secure (HTTPS).

Web Hosting

- You can think of a website as a collection of several web pages. To make them publically accessible over the internet, web hosting is required.

- Web hosting is a service that allows organizations and individuals to post a website onto the internet

- Web host or web hosting service provider, is a business that provides the technologies and services needed for the website to be viewed in the internet.

Website development

- Website development is a task of creating web pages for a business to perform some business functionalities or showcase some products or other information.

- Web pages are created using a language called HTML. HTML decides what elements are there on the page. Like images, paragraph, headings, links, tabular data, etc

- These elements can be organized with the help of CSS. CSS is used to position elements on the web page and decoration related things.

- With the help of HTML and CSS you can create a website but it will be of static nature only. It means the content remains fixed for every user of the website.

- Most of the times you need to display user specific content with some added functionalities, therefore dynamic nature of web pages are required.

- Dynamic web pages are not developed directly in HTML, but scripted using some programming language like python in our case. Python interpreter generates HTML response by interpreting python script. This response may be different for different user.

- In real scenario, a web page is usually a mixture of HTML, CSS and python.

- Most of the businesses are based on data. Websites needs to collect user information, product details and other business information. We usually store all this application related information in a database which is managed by some database management system like oracle, mysql, sqlite, etc.

How we will proceed?

- First you have to learn HTML and CSS. Assuming you have already learnt python core.

- You have to fit all your HTML, CSS and python stuff in Django framework.

- Some sample projects will be covered in order to complete this training program.