**Difference between library and framework ?**

Well, React is a library not a framework. But developers generally use the terms "library" and framework interchangeably, however they both are not same.The main criteria for frameworks are

Frameworks provide ready to use tools standards and templates for fast application development and libraries are not .

**Examples for libraries:**

React and j query

**Frameworks are :**

Angular ,vue,Model view controller

**We can define a framework as a collection of libraries implementing a particular methodology.**

**What is CDN?**

-> Content delivery network

It is a network of interconnected servers that speeds upwebpage loading for data -heavy applications.

Example:

If you want to change the image on your origin server, the file cached on the CDN won't change automatically.For the same product image, the CDN cache has a different version than the origin server.

**What is cross-origin in the script tag?**

It sets the mode of the request to an HTTP CORS request.

Example: Style sheets, iframes, images, fonts, or scripts.

Diff between React and React Dom?

**React-**> React package holds the react source for components ,state, props and all the code that is react.

**React-Dom-**> Dom package as the name implies is the glue between the React and the Dom .often , you will only use it for one single thing:

For applications like :index.html file with ReactDom.render().

React is used in both web and mobile. React-Dom is used only in web apps.

**Async and Defer**

The async and defer attributes both allow the browser to continue parsing the HTML document while javascript files are being downloaded, but they differ when those files are executed.

<script async src=”script.js”></script> -> Async

<script defer src=”script.js”></script> -> defer

Finally we can say that Async allows your script to run as soon as it's loaded, without blocking other elements on the page .

Defer means your script will only execute after the page has finished loading.

Most of the time Async is the better option - > but there are some exceptions where we use each one of the following and create faster and more efficient websites.