**Task 1, Day 1**

**Date 6th Jan 2021**

**What happens when you type a URL in the address bar in the browser?**

* Once we enter an URL into a browser, browser converts the URL in to an IP address adding with HTTP/HTTPS port number at the end of IP address.
* This process is done by Domain Name System DNS. The process is known as Forward lookup.
* The Browser sends the HTTP request to server on top of TCP using Get method.
* The Server finds the request based on the port number and give response to browser.
* The Browser will render the HTML, CSS and JS files using HTML Parser, CSS Parser and JS Engine.
* The HTML and CSS files will be converted in to tokens and the tokens will be converted into DOM tree and CSSOM tree.
* The JS files will be converted in to tokens and the tokens will be converted into ATS tree.
* These ATS tree will be interpreted, and Just in time JIT compilation will happen.
* Then UI backend will do painting process, post painting process the resource will be displayed in the browser.