**Activity 1 World Wide Web**

Communication between browser and web server

1. Keep alive makes it unnecessary to open a new request/response for every connection. Reducing request latency reduces network congestion, error reporting without closing connection.

2. The page status is stored in the status line. Codes such as 404 page not found, 100 continue, 504 bad gateway, 403 forbidden and so on.

Organising information on the web

1. <br />, <embed />, <meta />, <source />, <link />. Slash is optional in HTML5 (apparently)

2. There are two main differences between CSS and HTML, CSS is designed to create and manage how a websites looks. HTML can also be used to create a websites appearance but its focus is for page structure and content, CSS for presentation semantics, HTML for structural semantics.

What is uniform resource identifier?

1. URN identifies a resource by name. URL specifies how a resource is used or represented in a browser. A URN is like a person’s name while a URL is like a person’s address. (https://danielmiessler.com/study/url-uri/).

Web application

1. Server side scripting requires dedicated servers for processing and data transfer. Different security concerns need databases and security. Pages need frequent refreshing with dynamic content (solved with Ajax).

2. Some web applications examples include; Reddit, Dropbox, flash game websites (congregate, new grounds), Facebook, YouTube.