

Implementation a Caching Mechanism at HTTP Proxy Server

1. Caching: Implement a caching mechanism in the proxy server (implement in last lab). The proxy server should fulfill the future requests for the same content. You need to check the cacheable field in the HTTP response to decide if the content can be cached. If it is cacheable, store it locally with the object link as index to the file. Evaluate the page/object load time when content is available and not available in the cache. (5 Points)
2. Content statistics: Implement two simple web statistics in the proxy server. E.g., popular website accessed by users, list of websites that uses cookies, etc.