# Client Application;

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| Test Name | Method | Expected Results | Passed |
| Can reach Caching Application page | Click on the Client Application button on the home page | The Caching Application page is now launched |  |
| Home button | Click home button | Should be returned to the home page |  |
| URL bar is present | On the caching page ensure there is a URL bar | The URL bar is present |  |
| Can type into URL bar | Click into the URL bar and type an address | The address types will show up in the URL bar |  |
| Go button without URL typed | Click the Go button when there is no URL typed out | Nothing, there will be no error |  |
| Go button with an invalid URL typed | Click the Go button when an invalid URL is typed into the URL bar | A message will appear warning the user that the request failed |  |
| Go button with a valid URL typed | Click the Go button when a valid URL is typed | The requested webpage will be fetched and displayed to the user |  |
| The timer | Click the go button with a valid URL | The timer will start and when the request is finished will record the total time for the request to finish |  |
| Clear cache button | Click the clear cache button | Information will appear to indicate that the cache on the edge node was cleared successfully |  |
| Can connect to the proxy | Make a web request | Ensure that the proxy is utilised |  |

# Edge Node Application;

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| Test Name | Method | Expected Results | Passed |
| Can connect to the Redis instance | Deploy the web server | The server will automatically connect to Redis |  |
| Can make request to Caching Web Server | Make a curl request to the Edge Node using the host name and port number | Receive Data back |  |
| Receive clear cache request | Call the Edge Node with a ClearCache request | The clear cache command is executed using the redis-cli and the cache is cleared. This information is then returned to the user |  |
| Receive new request | Call the Edge Node with a new URL | The content is retrieved, stored in Redis and returned to the client |  |
| Receive a request for the second time | Call the Edge Node with a URL that has already been requested | The content is retrieved from Redis and returned to the user |  |