# Technologies to be Used for Testing

## Server Side

### Postman

## Web App

### Selenium Web Driver

### Java

### TestNG

# Design Process

## Server Side

## Web App

# Assumptions

|  |  |
| --- | --- |
| ID | Assumption |
| 1 | The Web App is written in HTML. |
| 2 | The Web App is accessible in Firefox, Chrome and Internet Explorer. |
| 3 | SOAP is used for communication between the Client and the Server. |
| 4 | A SQL Database exists to store the data for this application. |

**Design Process:**

Web App

For each webpage, a Page Object will be created in Java to represent the web page. Another class will use the Page Object to run the tests. The tests will be made with the TestNG framework.

Server Side:

For the Server Side, the tests will be created in Postman. The server is tested independently from the client in these tests. Postman will send SOAP requests to the server in the same manner that the client would.

A breakdown of the tests is below:

Create: POST – Sending requests to the server to create objects. For example, creating a new employee.

Read: GET – Sending requests to the server to retrieve objects. For example, retrieving an employee’s performance review.

Update: POST – Sending requests to the server to update existing objects. For example, updating an employee’s details.

Delete: DELETE – Sending requests to the server to delete existing objects. For example, removing an employee’s details.