

## Technologies Utilized

- HTML
- JQUERY
- AJAX
- JSON
- bootswatch.
  
- PERL
- Sql Lite
- Apache2
- OS: Ubuntu 16.04 LTS
- Eclipse EPIC
- Visual Studio Code

## Environmental Configuration

- I used **apache2 web server** to deploy the application.
- I created a directory where I put all the files that going to be accessed.  
**/var/www/appointment.com/public.**  
Syntax used. **Sudo mkdir -p /var/www/appointment.com/public**  
Next, I granted permission using the ff syntax:  
**sudo chown -R \$USER:\$USER /var/www/appointment.com/public**  
Next, I set permission at the main root . Syntax used: **Sudo chmod -R 755 /var/www**
- I created a new virtual host file other than the one apache2 by default gives you. This default apache2 virtual host file is located in the folder **/etc/apache2/sites-available/000-default.conf**. I created a new one with the name **appointment.com.conf** and put it in the same folder.

Here is the piece of configuration created:

```
<VirtualHost *:80>
    ServerAdmin info@appointment.com
    ServerName appointment.com
    ServerAlias www.appointment.com

    DocumentRoot /var/www/appointment.com/public

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

- I have also modified **apache2.conf** in order to support **.cgi .pl** files. I have added the following lines:  
    **ScriptAlias /cgi-bin/ /var/www/appointment.com/public/cgi-bin**  
    **AddHandler cgi-script .pl**  
    **TypesConfig /etc/mime.types**

```
<Directory /var/www/appointment/public/cgi-bin>  
    Options +ExecCGI  
</Directory>
```

**Note:** I have added the configuration file for reference. Perl files should be added to the folder /var/www/appointment.com/public/cgi-bin and other files including html and javascript should be put /var/www/appointment.com/public/. Any static file can also be accessed from this folder.