# DEPLOYMENT OF WEBSITE(USER INTERFACE)
### (Linux Guide)

1. Install MySQL 5.0 server and MySQL 5.0client. Information on how to install MySQL platforms can be found in this link :https://help.ubuntu.com/8.04/serverguide/C/mysql.html
During set up you will register a custom user name and password. Remember these two for later setup configurations.

2. Install apache2 web server. Information on how to install apache2 can be found in this link:https://help.ubuntu.com/community/ApacheMySQLPHP

3. Install php5.0 web framework . Information on how to intall php5.0 can be found in this page. http://www.howtogeek.com/howto/ubuntu/installing-php5-and-apache-on-ubuntu/

4. Make sure you have a web browser installed preferably Mozilla Firefox.

5. Once php , mysql and apache are installed copy the  **/source/** folder into the **filesystem's /var/www/** folder .This folder can only be opened when you are the root user of the system. To log in as the root in Linux, type the command **sudo nautilus.**  fileSystem->var->www.

6. Deploy the database by restoring the dump file **nyumbani.sql** found in the **/database/** folder.To restore the database use the following command in the terminal: (Make sure you have full database grants to upload restore this dump file)
   **mysql -h mysqlserveraddress -u mysqlusername -p<nyumbani.sql**

7. Run the threaded daemon and make sure it is successfully running. Instruction on how to run the daemon can be found in the **/retrival_daemon/** folder. Copy the generated **rss.xml** file found in the **/retrival_daemon/binaries/** folder into the **/var/www/source/** folder.

8. In the /var/www/**source**/ folder open **dbconnection.php** file using a text editor. In this file  edit the website's database connection details . Edit the values "**mysql-database-server**", "**mysql username**" and "**mysql password**" with the correct MySQL login- in credentials.

    $conn = mysql_connect("mysql-database-server", "mysql username", "mysql password") or die(mysql_error());

e.g $conn = mysql_connect("192.168.5.5", "username", "userpassword") or die(mysql_error());

9. Open your web browser. In the links section type the  link to open the Nyumbani Traders website. For instance if the page is being hosted in the apache server with the address 192.167.2.3 you will type the link http://192.167.2.3/source/index.html and if the the host address is 127.0.0.1 you will type the link http://127.0.0.1/source/index.html