CLIENT SETUP AND APPLICATION PROCEDURE

(Linux Guide)

1. Install Java-6.0 : Information on how to install the Java runtime environment can be found in this link. http://java.sun.com/j2se/1.4.2/install-linux.html

2. Install MySQL server and MySQL client. 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. Remembers these two for later setup configurations.

3. Deploy the database. Information on how to deploy the database can be found in the file **database_deployment.pdf** in the **/database/** folder

4. Go to the **/retrival_daemon/binaries/** folder . Open the file **"nyumbani.properties"** using a text editor.

5. In **"nyumbani.properties"** enter values for the MySQL server host address (**serverName**), MySQL username (**username**), MySQL password (**password**), and your web application host address (**webhostaddress**) which is the apache2 server name. As shown below.:
   serverName=127.0.0.1
   username=mysqlusername
   password=mysqlpassword
   webhostaddress=192.168.5.5

6. Open you command terminal . Application-> Accessories-> Terminal. Change directory using the command '**cd**' up to the (**/retrival_daemon/binaries/**) folder.

7. Type the command **(java –jar nyumbani.jar)** . This command is supposed to start the retrival daemon application. Before you run this command please confirm you have entered the correct values in the **nyumbani.properties** file

8. Once the application is running, open the **/retrival/binaries/** folder. Cut the generated file **"rss.xml"**. Paste this file in the **/user_interface/source/** folder.

9. A log file **nyumbani.log** will be generated in the **/retrival/binaries/** folder with logs on all the process and errors experienced by the threaded daemon.

DEPLOYMENT OF THE THREADED DAEMON

Linux Deployment:

1. The threaded daemon is packaged in an executable jar file. This application should be running all day long without interruption . Two files are generated during execution :
   - nyumbani.log
   - rss.xml
2. Run the application following the procedures listed in the **client setup and application procedure** document.
3. The location from where you run the jar file does not matter a lot, so long as the programme can connect to the SQL server and there is a stable internet connection.
4. The application generates a log file called **nyumbani.log** in its current directory. This file contains logging of all processors and error messages during execution of the application.
5. If the apache2 host is changed make sure you enter the new **webhostaddress** value in the **nyumbani.properties** file