7. CONCLUSION

7.1 Conclusion

7.2 Limitation of the system

This project has the following limitations to it:

* The User ID and Password for the Oracle Database is fixed for the code. Change in wither the User ID or Password would lead to error and no connection between the Front End Tools and the Database.
* Similarly the table containing all the data is fixed. Change in its attributes or dropping the table would result in no connection with the table.
* ‘R’ though being a very powerful statistical computing software environment, it cannot be easily be implemented using Java Programming. Hence we had to resort to using a separate IDE named “RStudio” to calculate the initial clusters using k-means algorithm.
* Sometimes the second Front End tools will produce an error-“Exception in thread "AWT-EventQueue-0" java.lang.NullPointerException”. This error does not hinder the follow of the program and can be easily ignored while executing the equalization process.
* The User may face another error where the Front End would produce an SQL Exception- DatabaseNotFoundException. This occurs when the front end tool temporarily loses connection with the SQL database. The user must not panic as waiting it out for a few moments would reconnect the tool to the database or he/she can restarting the ‘OracleServiceXE’ under ‘services.msc’ or restarting the front end would rectify the problem.

7.3 Future Scope of the project

* ‘R’ is difficult to be implemented through java but not impossible. In the future we are working and the compatibility of ‘r’ through java programming so that all the modules can be coded through java and java alone.
* “Exception in thread “AWT-EventQueue-0” java.lang.NullPointerException” is being looked into and will be dealt in future versions of the front end tool. Meanwhile, the user however won’t face any problem while in executing the Equalization even after the error occurs.
* Provision of asking user of the User ID, Password and table name through the front end would be looked into.