Iván Jiménez 5 of December of 2013

Operating Systems – CCOM 4017

**Creating a Distributed File System (DFS)**

While working in collaboration with my group to create a Distributed File System was fun and challenging at the same time, the most rewarding part of my experience was being able to learn a new programming language and also research/modify open-source code, to later apply to this practical and rather useful project. However, some of the more difficult aspects of this assignment included learning how to correctly manage the sockets that the different parts of the DFS used; and programming the data nodes to receive the files of “chunks” of information and place them inside their respective directories at each node. Also, figuring out how to implement the proper functions to allow our system to handle huge amounts data, like those received from splitting images or PDF files for example, took longer than expected. Most of these problems were resolved with only time and patience, but several solutions were developed by discussing the components of a file system with our some of our peers: Christian Rodriguez, Rafael Esparra, and Abimael Carrasquillo. Altogether, I believe this project would be rated an 8 on a scale of 10, in terms of difficulty, granted that I first admit that the knowledge I gained from this experience will be invaluable for my future as a computer scientist.