**Loughborough universit y**

Due Date: Friday 1st May (Semester 2)

Authored by:

Nicholas Davies

Kwaku Ankobia (Code)

Bartek Biernacki (Code)

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| 14ELC004 – Computer Networks |
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| Internet chatting in the TCP/IP network |

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Internet chatting in the TCP/IP network

Introduction

The objective in this coursework was to create an internet based chatting client over TCP/IP and UDP protocols. The two main aspects of this project are the server and client. The code for the server is already written but can be edited it required whereas the client needs modifying to fulfill the project objectives shown below. The programs will be developed using Python 2.7 due to the simplistic interfacing it provides with the networking protocols.

Project Objectives

* Clients must be able to communicate with other clients
* Each client must display a friends List
* Friends List will display the username of each person connected
* Friends List must reflect the online/offline status of each person connected
* Chatlog will display sent messages sent to different clients
* Usernames must be requested via the use of UDP between clients

System model