

UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

## Normalization Exercise - User Manual



Linphone for Andriod Group Chat (Waterfall)

Client: Nanoteq

Version 1.0

### Authors:

Izak Blom	13126777
David Breetzke	12056503
Paul Engelke	13093500
Prenolan Govender	13102380
Jessica Lessev	13049136

Date: October 3, 2015

## Contents

<b>1</b>	<b>Systems Overview</b>	<b>2</b>
<b>2</b>	<b>Systems Configuration</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>2</b>
<b>4</b>	<b>Getting Started</b>	<b>2</b>
<b>5</b>	<b>Using The System</b>	<b>3</b>
<b>6</b>	<b>Troubleshooting</b>	<b>3</b>
6.1	Desired File not Located . . . . .	3
6.2	File not processed . . . . .	4
6.3	File incorrectly processed . . . . .	4

## 1 Systems Overview

The basis for this system is to provide a user with the ability to upload a chosen file of a certain extension. The system will then parse the file and return meta-data about the file such as file type. The system will then further parse the file and produce statistics regarding contents of the file. This includes the following statistics:

- Number of lines of code
- Number of statements
- Number of classes
- Number of functions or methods
- Average number of statements per class
- Average number of statements per function
- Lines of comments

## 2 Systems Configuration

The system is exported as a simple executable jar. A user can thus use any machine to run the application on.

## 3 Installation

No installation is necessary to make use of the application. The user simply needs to locate the executable file and double-click on it to open the application.

## 4 Getting Started

The user simply needs to locate the executable file and double-click on it to open the application.

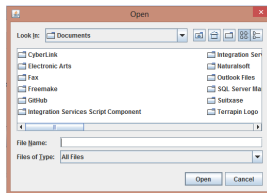
## 5 Using The System

Below is a list of detailed steps on how to use the application.

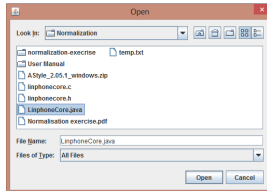
1. Open the application



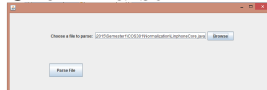
2. Click on "Browse" to upload a file



3. Locate the desired file, select it and click "Open".



4. Click "Parse".



5. Observe Results

## 6 Troubleshooting

Below is a list of problems that may be encountered along with their possible solutions:

### 6.1 Desired File not Located

**Problem:** When "Browse" is clicked the desired file to be located is not found.

**Solution:** Search in all possible directories of computer to locate the file. Make sure that the file you are searching for exists.

## **6.2 File not processed**

**Problem:** When "Parse" is clicked No results appear.

**Solution:**

1. Make sure a file has been selected to be parsed.
2. Make sure the file that has been uploaded is supported by the application (C and Java).

## **6.3 File incorrectly processed**

**Problem:** When "Parse" is clicked obviously wrong results appear.

**Solution:**

1. Make sure the file that has been uploaded is supported by the application (C and Java).